

MORNING STAR HOME SCIENCE COLLEGE

ANGAMALY



SELF STUDY REPORT 2016 Re-accreditation Cycle III



MORNING STAR
HOME SCIENCE COLLEGE
ANGAMALY

Affiliated to Mahatma Gandhi University, Kottayam, Kerala



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SELF STUDY REPORT
Re-Accreditation Cycle III

November 2016

Submitted to

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

Bangalore 560 072, India



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MORNING STAR HOME SCIENCE COLLEGE

ANGAMALY SOUTH P.O., KERALA - 683 573

(Affiliated to Mahatma Gandhi University, Kottayam & Reaccredited by NAAC)

Declaration by the Head of the Institution

I certify that the data included in this Self-study Report (SSR) are true to the best of my knowledge.

This SSR has been prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the peer team will validate the information provided in this SSR during the peer team visit.

Signature of the Head of the Institution with seal

Dr: Sr. ALPHONSA M.K.
PRINCIPAL
M.S. Home Science College
Angamaly South

Place: Angamaly

Date: 10-11-2016





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(Affiliated to Mahatma Gandhi University, Kottayam & Reaccredited by NAAC)

Certificate of Compliance

(Affiliated/Constituent/Autonomous Colleges and Recognized Institution)

This is to certify that Morning Star Home Science College, Angamaly, Kerala fulfills all norms

1. Stipulated by the affiliating University and/or
2. Regulatory Council/Body (such as UGC,NCTE,AICTE,MCI,DCI,BCI,etc.) and
3. The affiliation and recognition (if applicable) is valid as on date.

In case the affiliation/recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

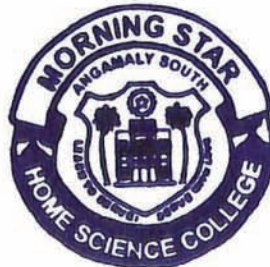
It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Place: Angamaly

Date: 10-11-2016

Principal



Dr: Sr. ALPHONSA M.K.
PRINCIPAL
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CERTIFICATION OF SELF STUDY REPORT

This is to certify that the Self Study Report submitted to the National Assessment and Accreditation Council for the third cycle of accreditation of the College has been prepared with the co-operation of the college community and gives a detailed, accurate description of the functioning of the institute.

Signed:

Sr. Grace CSW

Manager
MANAGER

M.S. Home Science College
Angamaly South

Dr. Sr. Alphonsa M.N.

Principal

Dr: Sr. ALPHONSA M.N.
PRINCIPAL
M.S. Home Science College
Angamaly South

Dr. Laisa Thomas

Co-ordinator

Dr. Laisa Thomas
Head, Department of Economics
Morning Star Home Science College
Angamaly



PREFACE

The first ever women's college of its kind in Kerala, the Home Science College at Angamaly was set up in 1963 with a vision of empowering young women as better home makers and powerful contributors to nation building. In 1968, when the undergraduate course in Home Science was initiated, the college took up the name Morning Star Home Science College.

The institute looks back with pride at the 53 years of its functioning, the milestones it has covered and the responsible citizens it has moulded for the country.

I am pleased and privileged to present this report of our college for assessment and accreditation by the NAAC. The NAAC and its assessment criteria have been instrumental in making institutes more conscious of self-appraisal. It gears up the institute to meet the benchmarks laid down in higher education. Since the last accreditation of this institute in 2009, the college has worked on its resolve to implement the suggestions put forward by the NAAC in upgrading the institute.

This report reflects the academic and administrative programmes and activities that were carried out during the past years in the institute focusing on curricular aspects-teaching, learning and evaluation, infrastructure and learning resources, student support and progression, governance and management, innovations, best practices and departmental activities.

The venture has encouraged us to examine our strengths, assess our weaknesses, evaluate the opportunities and speculate the challenges.

A committee has been formed to prepare the report. Through regular group discussions, interactions with the Principal and the college community, the committee has prepared the report. The sincere, dedicated and collective effort of the faculty members has helped to shape the report, which is now being submitted to the NAAC.

As we present ourselves for reaccreditation and reassessment, every effort has been made to strengthen our claim for a better grade. The Principal along with the staff of the college resolves to maintain the standards of education and work for the betterment of all the stakeholders.

Sr. Dr. Alphonsa M.K.

Principal

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EXECUTIVE SUMMARY

Morning Star Home Science College, a regular arts and science college established in the year 1963, has been imparting quality education to the people in and around Angamaly for the last 53 years. It is a minority Christian institution managed by the Congregation of the Sisters of Nazareth (CSN). The institution was born out of the conviction that women's education is the best way to make social development a reality. The Congregation of the Sisters of Nazareth, who runs the college, has piously undertaken the apostolic mission of ensuring the welfare of the families for the welfare of the nation. Ever since its inception, the institution has been working with unflinching resolution to match the far sighted vision of the three visionaries who were instrumental in the establishment of the college: Mar Augustine Kandathil (former Arch Bishop of the Arch Diocese of Ernakulam), Rev. Fr. John Pinakkat and Rev. Msgr. Mathew Mankuzhikari. An undergraduate programme in Home Science was the first course offered in the college, thus imprinting the name *Home Science College* indelibly in the minds of the people of Angamaly. Even to this day, the college is better known as Home Science College. Today, while still adhering to the vision of the founders to make women better home makers and thus better nation builders, the college is marching forward with the updated aim of ensuring excellent standards in education that would secure for its students acclaim and leadership in the present day challenging world.

The college, affiliated to the Mahatma Gandhi University is included under section 2(f) and 12(b) of the UGC Act. The institution had its first accreditation by the National Assessment and Accreditation Council of the UGC in 2001 and was accredited at Three Star level. In 2009, the institution was reaccredited at 'B' Grade with a cumulative grade point of 2.8/4.

In its march forward, the college has won recognitions including the state level award for the Best NSS Unit and the Best NSS Programme Officer in 2001. The college was bestowed with the award for the Best Educational Institution in the locality by *The Innovative Malayalee Chamber* in 2008. The institution has the proud conviction that through the years it has been able to put in substantial contributions to community development while catering to the academic and holistic growth of the students.

The last five years saw the college passing through a period of rapid developments. The concerted efforts of the Management, the staff and the students, combined with the wholehearted support from the alumni, the parents and the local community helped the college to scale new heights. The suggestions from the two NAAC Peer Teams were immensely helpful in drafting strategies and prospective plans for quality enhancement. It is now time for the third cycle of accreditation. A brief outline of the activities of the college, recorded criteria-wise in the Self Study Report, is given below.

CRITERION I: CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

The motto of the college is 'Learn to Serve, Serve with Love'. The college works with the vision of moulding young women as prudent scholars and competent professionals capable of being ambassadors of graceful service to their families and to society. The Mission of the college is to equip young women to cope with the challenges of the times by fostering self respect and self reliance, promoting divergent thinking and cultivating a knowledge culture. The college strives to ensure the all round development of the students by providing value based instruction and skill training. The college offers four PG and seven UG programmes and has student strength of 652. The college also conducts a diploma course (Computer Applications), six certificate courses (Communicative English, Tally, Research Methodology, Yoga, Fashion Technology, MS Word) and one short term course (Home Science). It is worth mentioning that two of these courses are given to the public too.

A collective monitoring system, involving the Principal and the Heads of the Departments, ensures the timely completion of the syllabus and the conduct of internal evaluative process before the University Examinations. The faculty is exposed to training at the governmental, university and institutional levels. The students are given copies of the syllabi so that they also may get familiar with the curriculum.

1.2 Academic Flexibility

The college, being an affiliated one, is constrained by limitations with regard to academic flexibility and curriculum design. But working within the framework of the University regulations, it takes up initiatives for effective curriculum delivery. The curricula of the short term courses and the value education course conducted by the College are designed by the faculty. The college is the sole institution in the state to offer M.Sc. in Community and Family Science, and the faculty of the college plays the lead in designing the syllabus of the course.

The college tries to supplement the curriculum to ensure that the institutional objectives are integrated with the academic programmes by conducting value added courses, study tours and industrial visits, encouraging ICT enabled teaching and by organising seminars, invited talks by experts, co-curricular activities and outreach programmes. UG courses are under Choice Based Credit and Semester System (CBCSS) and PG courses are under Credit and Semester System (CSS) of the M.G. University. In the final year of UG courses, the students can choose an open course of their predilection. Our institution offers 7 different open courses and 6 electives at the UG level. 8 electives are offered at the PG level.

1.3 Curriculum Enrichment

For the holistic development of the students, various programmes are conducted in the college under the auspices of different departments. Incitement Programme and St. Jude Counselling Centre functioning in the

college impart moral values to the student community and make them spiritually enthusiastic. The institution organizes a good number of subject-related academic and non academic workshops, seminars and invited lectures for enhancing knowledge and updating awareness of current trends.

1.4 Feedback System

The institution collects feedback on curriculum from all its stakeholders. Impressions are received from classes, teacher-student interactions, PTA meetings and the faculty and these are compiled. Due weightage is given to the feedback of the students and appropriate measures are taken to address their suggestions and grievances. The interactions of parents in the PTA meetings are a great source of feedback. Stakeholders also evaluate the teaching-learning process and the results.

CRITERION II: TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

Admission to the college is carried out through the Centralized Allotment Process (CAP) of M.G.University. The college follows an inclusive policy of admitting students belonging to various socio-economic backgrounds.

2.2 Catering to Diverse Needs

The college strictly adheres to the government policy in admitting differently abled students. Slow learners and students with learning disability are identified at the earliest so as to provide necessary assistance and counselling. To bridge the knowledge gap among students remedial coaching, Scholar Support Programme, and peer learning sessions are arranged. The staff and the students are sensitized on various cross cutting issues like human rights, gender issues, environment etc. through seminars, conferences, demonstrations, street plays and presentations. Advanced learners are boosted through Walk With a Scholar Programme for their holistic development. The central as well as the department libraries are fully equipped to cater to their needs. The class advisors maintain the bio-data of the students and conduct regular tutorial sessions and counselling for the students thereby identifying issues among them. Students at the verge of drop out are given counselling and emotional support.

2.3 Teaching-Learning Process

The college follows the academic calendar of M.G. University. Lecture method and techno-pedagogy are applied to make teaching more student centric. Onsite visits and field trip help the students to gain practical knowhow. Persons of eminence are also invited to the college to give lecture to the students. Academic audit is done to monitor the quality of teaching-learning.

2.4 Teacher Quality

About 48 percent of the permanent faculty hold Ph.D. and 17 percent hold M.Phil. degrees. Among the temporary faculty, 4 percent have Ph.D. and

12 percent have M.Phil. degree. During the post accreditation period, the IQAC organized eight faculty enrichment programmes to enhance teacher quality. Teachers also attended curriculum workshops, orientation and refresher courses as and when necessary. The student evaluation of teachers is done every year in a prescribed format as part of assessing teacher quality.

2.5 Evaluation Process and Reforms

Students' evaluation is carried out through assignment, seminars, internal exams etc. The college regularly conducts model examinations before the commencement of the semester exams to ensure better results. The student performance is recorded and Parent Teacher meeting is convened at least once in a year to convey progress. Staff meetings are regularly conducted to evaluate the student performance. For the redressal of grievances related to evaluation, a Grievance Redressal Mechanism functions in the college.

2.6 Student Performance and Learning Outcome

Based on the feedback from the stakeholders, various programmes were organized in the college to achieve this aim. Accordingly, activities were conducted in the college based on their suggestions. The certificate and diploma programmes, consultancy services, UGC NET and PSC coaching programmes are some of the initiatives taken up.

CRITERION III: RESEARCH CONSULTANCY AND EXTENSION

3.1. Promotion of Research

The IQAC and the Research Committee are very active in promoting research culture among the students and the faculty. As per the recommendations of the Research Committee, the Department of Home Science has applied for the status of Research Centre and is awaiting approval.

Seven faculty members were awarded Ph.D. and one was awarded M.Phil. during the post re-accreditation period. At present, four faculty members are undergoing part time Ph.D.. Seven faculty members have availed funding for Minor Research Projects from the UGC. The PG students are encouraged to take research oriented topics for their dissertation which open up more possibilities for them to carry out original research.

3.2. Resource Mobilization for Research

The infrastructure and research facilities in the campus have been set up with financial assistance from the UGC, Kerala State Council for Science Technology and Environment (KSCSTE) and the college Management.. In the post re-accreditation period, a total amount of Rs.24,29,000/- has been sanctioned by the UGC for Minor Research Projects and for conducting seminars.

3.3. Research Facilities

The campus is Wi- Fi connected. All the departments are equipped with sufficient number of computers, internet connection and other learning resources like LCD projector, screen etc. The college has a well functioning Computer Centre which caters to the research interests of the students. The

college library has access to NLIST of INFLIBNET and other e-learning resources. The Central Library is fully automated and has been digitalized in the post re-accreditation period.

3.4. Research Publications and Awards

The faculty members have published 12 chapters in edited books, 6 books with ISBN/ISSN, 9 books without ISBN, 3 monographs, edited 13 books, 26 citation indices and one entry into international database. Around 100 publications have been done by the faculty and students in various peer-reviewed journals and seminar proceedings. A total number of 53 papers have been presented by the faculty in various international/national/regional/state as well as institutional seminars. 62 articles were published in peer reviewed journals and seminar proceedings. Our students have published 32 chapters in edited books. The faculty members have received awards and recognitions in various conferences for best poster presentations.

3.5. Consultancy

The departments of Home Science (Dietary Counselling Centre), Chemistry (Chemstar Soil Testing Wing) and Physical Education (Yoga and Fitness Centre) are the main departments offering consultancy service. The services offered by the consultancies are benefitted by the students as well as the public.

3.6. Extension Activities and Institutional Social Responsibility

The departments, clubs and associations functioning in the college join hands to engage in activities which highlight the institutional social responsibility. The activities of the NSS, Youth Red Cross, AICUF etc. enable the students to develop social commitment and service mentality adhering to the motto of our institution. The college and the NSS unit have adopted Ward VIII and Ward VII of the Nedumbassery Panchayat respectively and conduct activities of community relevance.

3.7. Collaboration

The college has entered into academic linkage and collaboration with various industries and institutions. There MoUs have been signed at present. The seminars and conferences conducted in the college are often done with institutional as well as industrial collaboration.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1. Physical Facilities

Morning Star Home Science College is bestowed with adequate and up to date facilities for teaching and learning. The facilities in the campus are also used as venues for conducting examinations by other agencies. The College Hostel gives accommodation to the staff and the students of the college as well as that of other institutions. At present there are about 240 inmates.

4.2. Library as a Learning Resource

The Central Library, which is the heart of all learning processes, provides a number of services to the staff and the students. With a total area of

489 sq.m. and a seating capacity of 100, the library is open from 9.00 am to 4.30 pm. Morning Star Library contains 15900 books. This shows an increase of 5000 books after the previous NAAC visit. Books on competitive examinations, PSC examinations and NET are made available. .

OPAC is available in the library. Advanced Library Management Information System is used for automation. Scanned copies of library collections are made digitally available using Tecfocuz Digital Library Software. N-LIST online database of INFLIBNET is available in the library. Books are arranged subject wise for which Dewey Decimal Classification (DDC ed. 22) scheme is used. Book Buffet, Book Bank, Dr. Kalam Garden Library, Morning Star Mobile Library, Reading Club, Information Literacy Programmes etc. are some other services offered by the library.

4.3. IT Infrastructure

The college provides enough number of computers with a ratio 1:16. A number of licensed softwares are installed for various purposes. There are 47 computers having internet facility with 6mpbs bandwidth. In addition, all the departments are provided with LCD Projectors, VCDs, cameras etc. Smart Boards are provided in the Seminar Hall and in the Audio-Visual Room. The college plans to get laptops to all the departments, seminar halls etc., increase the number of smart boards and bring networking to all the computers.

4.4. Maintenance of Campus Facilities

The budgetary allocation is fully and efficiently utilized. The annual budget is prepared by the Governing Council after a thorough assessment and consideration of the suggestions made by the Construction and Maintenance Committee. The Bursar and the well trained permanent and temporary staff in different categories are responsible for the proper upkeep and maintenance of the infrastructure facilities and equipments of the college. The accountant looks after the accounts of maintenance.

The transformer (100KW) in our college is effectively functioning and is well maintained for avoiding voltage fluctuations. All equipments that are sensitive to electric fluctuations are connected to UPS. Maintenance of the backup systems is carried out periodically. The college has a regular water supply mechanism with 7 tanks, 3 wells and rain water harvesting tanks. There are 4 water filters cum coolers in the campus to meet the requirement of drinking water.

CRITERION V: STUDENT SUPPORT AND PROGRESSION

5.1. Student Mentoring and Support

Every year, 53 scholarships/endowments from the institution and 26 Proficiency Prizes instituted by the PTA are awarded to the students on College Day. Financial aid is made available and disbursed on time. The students from SC/ST, OBC and economically weaker sections are delivered with all the fee concessions and other allowances as per government order. Financial support for the needy students is provided under the Save-a- Star scheme.

The institution offers a number of platforms as opportunities for extracurricular activities. Full support is given to students who lose classes due to practice and participation in the events. The college provides free medical check up to the final year students every year.

NET and PSC coaching classes are provided for the students. The college magazine, department newsletters and manuscript magazines published annually, showcase the achievements and the creative talents of the students along with the activities of a year. Orientation classes are provided regularly to the students for their personality development. St. Jude Counselling Centre in the campus is a blessing to those who are in need of professional counselling. Class advisors provide personal, academic, career and psycho-social counselling to students.

The Career Guidance and Placement Cell in the college helps the students to identify job opportunities. Our students were shortlisted to various companies in the various recruitment drives. The institution has an active student Grievance Redressal Cell. A number of actions have been taken on the basis of the grievances reported. The college has an active and proud group of alumni spread across the globe. The members of the Alumni Association meet together in the college every year on the 'Alumni Day'.

5.2. Student Progression

Around fifty percent of the students who do undergraduate studies here proceed to post graduate studies. The institution can proudly claim good pass percentage for all the programmes, both UG and PG. Along with the special measures taken for the slow learners, the Principal and the teachers in charge visit the house of the students who are at the risk of dropping out and make them motivated and interested to study further. In cases where the Principal and the staff feel it necessary to contact and counsel the parents, the same is done on an emergency basis and steps are taken in consultation with the parents. No student of the college shall drop out for want of funds.

5.3. Student Participation and Activities

The active involvement in the co-curricular activities has enabled our students to achieve lucrative positions at the university level including the Miss Yoga Title and Best NSS Volunteer Award. Financial assistance and attendance are given to the students who participate in competitions. The winners receive felicitations and gifts from the college and from the departments they represent in public meetings.

The college has a Student Council under the name the College Union, the election to which will be conducted under the parliamentary system as per the directive of the State Government, University and the High Court of Kerala. Academic and administrative bodies that have student representatives on them include College Union, Departmental Associations, Internal Quality Assurance Cell, Anti-Ragging Cell, Sexual Harassment Cell, Ethics Committee and Library Committee.

Former Teachers' Forum acts as a platform for the re-union of the

former teachers of the college. Care is taken to ensure that all the retired staff members participate in at least one dinner function organised in a year. The college utilizes the expertise of the former faculty as resource persons in the different programmes arranged in the college. Former faculty members have displayed their love and commitment to the institution by instituting scholarships and awards to students. They keep in touch with one another through their WhatsApp community.

CRITERION VI:

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1. Institutional Vision and Leadership

The various activities and programmes organized in the college are in tune with the vision and mission statements. The college Governing Body, the Management, the Principal, the IQAC and all the stakeholders join hands to design, implement and maintain quality policy and plans. The feedback from the stakeholders are given due consideration for the quality enhancement of the institution. Infrastructure upgrading and maintenance operations are periodically conducted. Academic policies are decided in the Staff Council and implemented through the Heads of the departments.

6.2. Strategy Development and Deployment

The statutory as well as the advisory bodies ensure the smooth development and deployment of strategies and plans. The curricular and extra-curricular activities are monitored by the faculty and student representatives. Value based student centric learning and constant faculty development is encouraged in the college. Student feedback is collected and addressed every year.

6.3. Faculty Empowerment Strategies

The Management constantly encourages the faculty to enhance the professional competency by attending orientation and refresher courses, seminars and workshops, publishing articles in journals and engaging in active research. The self appraisal form prepared by the faculty keeps regular track of academic excellence of the faculty.

6.4. Financial Management and Resource Mobilization

The major financial resource of the institution for aided programmes is the UGC and the Government of Kerala. Apart from this, the college also allocates financial resources through alumni contribution, College Development Fund, PTA membership fee, self-financing course fee etc. The College Management also supplements the deficit financial needs. The UGC coordinator monitors the utilization of the funds received from the UGC. The internal auditing conducted annually guarantees financial transparency.

6.5. Internal Quality Assurance System (IQAS)

The Internal Quality Assurance Cell (IQAC) was constituted on 18 March 2005. The IQAC works on a set of policies leaping towards better internal academic quality. All the academic initiatives taken up by the college are based on the timely recommendations of the IQAC. The organization of

seminars, Walk With a Scholar Programme, Scholar Support Programme, value based learning programmes, introduction of new courses etc. have been initiated in the college based on the recommendations of the IQAC. Faculty enrichment programmes are regularly organized by the IQAC every year.

CRITERION VII: INNOVATIONS AND BEST PRACTICES

7.1. Environment Consciousness

Our institution has strong convictions about the concept of an eco-friendly life and has always been very keen to create a clean and green ambience in the campus. A Green Audit has been conducted formally. Separate labelled waste bins for non-degradable wastes and biodegradable wastes, landscaped flower gardens, fish ponds with edible fish, pure and safe drinking water from own wells, sufficient number of clean and tidy toilets, Herbal Garden with 150 varieties of medicinal plants, Nakshatra Vanam and Botanical Garden are some of the efforts made by the institution towards an eco friendly life. Celebration of special days aimed at creating environment consciousness, seminars on topics related to environment consciousness, trips to experience the feel of nature, survey regarding waste management, conscious efforts to preserve the greenery and cleanliness of the campus, organic farming with the involvement of students using vermicompost and vermiwash generated in the college, bio-diversity register etc. help the staff and the students to foster a culture of environment consciousness.

Utmost care is given for energy conservation. A number of steps have been taken in this regard including the spreading of messages on energy saving, switching off fans, lights and other electric appliances immediately after use, use of LED/LCD monitors, LED/CFL bulbs and other energy conserving electric devices etc. The bio-gas plant and the use of steam as fuel for cooking in the college hostel serve the double purpose of generating fuel as well as managing bio-degradable waste. The three wells and the water harvesting tanks in the campus meet the requirements of water so that the college doesn't have to depend on any external water source. Incinerators are installed in the toilets and hostel for eco-friendly disposal of sanitary napkins.

7.2 Innovations

The innovative measures taken by the college include the biannual multidisciplinary research journal with ISSN, Blended Learning, Beacon Programmes, Incitement Programme, Morning Star Lecture Series, Dress and Provisions Bank, handing over of usable papers to Fiathe Mission, Talents Day, Morning Star Mobile Library, Book Buffet, Dr. Kalam Garden Library, Book Bank, Blog, Share-a-Meal Project, St. Jude Counselling Centre, Dietary Counselling Centre, computer literacy classes for local women, clubs, sanitary pad vending machine, biometric attendance scanner, self-employment training programmes, soap making and marketing, night sky watching etc.

The post reaccreditation period has witnessed great developments starting from the marvellous face lift of the college and renovation of the facilities. To keep in tune with the emerging needs of the times, the institution

introduced four new programmes in the last four years- M.Sc. Physics, M.Sc. Chemistry, B.Com. and B.A.English.

7.3. Best Practices

1. Save-a-Star

Morning Star Home Science College, ever since its establishment in 1963, has been striving with its stated mission of uplifting the poor and down trodden sections of the society, especially in and around Angamaly. The conviction of the visionary founders of the institution that such an upliftment is possible only through empowering the needy sections financially, intellectually and emotionally is still practiced here through various means. Save-a- Star is a scheme designed with such a view in consideration. The institution realizes its social responsibility to be of help to those who are in need by offering its help, though small it may be, in fighting their financial, emotional and academic challenges. Funds and services under this scheme come as voluntary contributions from the staff and students. Support extended under this scheme falls mainly under three realms-financial, emotional and intellectual.

2. Yoga and Fitness

The recent campaigns in the social media played a major role in developing interest and awareness about Yoga among the students. The Department of Physical Education gives training and awareness in Yoga and Fitness. Winning accolades at the university level further fuelled the interest which students had in Yoga and more students became a part of it. Awareness classes are conducted for the first year students on weekdays from 12:45 pm to 1:30 pm for 2 months. Yoga is being extensively practiced by the students during after-class hours from 3:30 pm to 5.00 pm and on Saturdays. Special coaching is provided for the best performing students so as to enable them to take part in the intercollegiate championships. The college extends its commitment and social responsibility through various extension activities. Summer camps are being conducted in the college to provide a similar opportunity for school children in and around the locality. Classes are being conducted regularly by the students in the nearby orphanages and schools. Awareness sessions are also being conducted at the Panchayat level. The Fitness Club and Yoga Centre work hand in hand to promote the health of the students in particular and the community in general. Fitness consultation and exercise prescription program are provided to the students, teachers and the local public. Through this facility, they can consult the Department of Physical Education and get correct dose of exercise based on their age, health condition and fitness level. In addition to these, the department has been conducting a three months certificate course in yoga benefitting both students and outsiders, for the past 12 years.

SWOC ANALYSIS

STRENGTHS

- Dedicated and well qualified faculty.
- Selfless service and dedication of the Principal, the Management and the Staff which are effectively imparted to the students by example.
- The institute's favourable location and excellent infrastructure
- Completion of the syllabus promptly and effectively.
- Transparency in admission and appointment proceedings to ensure fair opportunities to all the deserving.
- Well performing students are acknowledged with scholarships to encourage and support their education.
- Scholarships under different schemes for a large number of students.
- Support from funding agencies like UGC, KSCSTE.
- Strike free, drug free and plastic free campus.
- Co-operative PTA, local governance and well-wishers.
- Promotion of 'holistic' development of the students.
- Good academic record.
- Regular remedial support to the weak students.
- Active departmental associations.
- Well-equipped library.
- Internet access with Wi-fi facility.
- Professional counselling for students requiring assistance.
- Well maintained garden, medicinal plants and fish ponds.
- Convenient Hostel facility.
- Neat and clean Canteen.
- Supportive retired staff and alumni.

WEAKNESSES

- The diminished confidence level and performance of the girls from the disadvantaged sections reflect in the overall performance of the college.
- The comparatively less number of total students.
- Insufficient campus recruitments by reputed companies.
- Lack of enough number of collaborations with reputed companies.

OPPORTUNITIES

- The Computer Centre with facilities for e-learning, e-filing and e-registration.
- Entry in Service coaching classes for PSC, NET etc. to make students proficient participants in competitive exams and thus increase their employment prospects.
- A well-equipped library, Book Bank, Book Buffet and Garden Library services.

- Walk With a Scholar Programme for the enhanced training of the brilliant students and Scholar Support Programme to identify and bring the slow-learners on a par with the rest of the class.
- Remedial coaching to help the backward students in the class through extra coaching hours.
- The NSS provides varied activities which foster social commitment through the community services rendered.
- A well-equipped Yoga Centre that benefits the staff, the students and the neighbouring communities to keep themselves fit in body and mind.
- St. Jude Counselling Centre offers professional counselling to the students in need of direction.
- Government approved certificate courses like DCA, Tally, Fashion Technology and a short term course in Home Science train students to enrich and enhance skills.
- Financial assistance for the deprived as well as well performing students to meet their educational expenses through 'Save-a-Star'.
- Various clubs help the students to identify their interests and talents.
- Incitement Programme to guide the students in inculcating values, enrich their personality and thus mould them to be citizens of strong character and commitment.

CHALLENGES

- The past 14 years witnessed stagnation in the approval of government aided courses at the UG and PG levels. This phenomenal change in the governmental policy was almost simultaneous with the institution's desire for resurgence following the delinking of the pre-degree course from colleges. The institution, being one running on the motto of service and the desire to be of support to the weaker sections of the society, was not prone to start self financing courses either at that time. This has had a deep impact on the upward mobility of the institution and the college is making every attempt today to mitigate this challenge.
- The Centralised Allotment Process (CAP) extending most of the times to more than a couple of months results in creating disorientation among the students admitted and confusion for the teachers handling the classes.
- The semester system imposes severe constraints of time. In spite of the attempts formulated by the college, the whole schedule happens to be hectic, thus exerting pressure on the staff and the students. The students tend to abstain from co-curricular activities in fear of losing time owing to the tightness of the schedule.

PROFILE OF THE COLLEGE

1. Name and Address of the College:

Name :	MORNING STAR HOME SCIENCE COLLEGE, ANGAMALY		
Address :	ANGAMALY SOUTH P.O., ERNAKULAM DIST.		
City :	ANGAMALY SOUTH	Pin: 683573	State: KERALA
Website	www.morningstar.edu.in		

2. For Communication

Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Sr. Dr. Alphonsa M.K.	O: 0484-2452338 R: 0484-2456933	9605934681	0484-2452338	kurianalphonsa@gmail.com
Vice-Principal	Sr. Dr. Rosily A.V.	O: 0484-2452338 R: 0484-2456933	8606330704	0484-2452338	rosilyav@gmail.com
Steering Committee Co-ordinator	Dr. Laisa Thomas	O: 0484-2452338 R: 0485-2260887	9447121371	-	laisathomasn@gmail.com

3. Status of the Institution:

- Affiliated College
Constituent College
Any other (specify)

✓

4. Type of Institution:

a. By Gender

- i. For Men
ii. For Women
iii. Co-education

✓

b. By Shift

- i. Regular
ii. Day
iii. Evening

✓

5. It is a recognized minority institution?

Yes

No

If yes specify the minority status (Religious/linguistic/ any other) and provide documentary evidence: **Religious**

- The college is a minority institution run by the Congregation of the Sisters of Nazareth.

6. Sources of funding:

Government

Grant-in-aid

Self-financing

Any other

7. a. Date of establishment of the college: 03-07-1963

b. University to which the college is affiliated /or which governs the college (If it is a constituent college)

**Mahatma Gandhi University,
Kottayam**

c. Details of UGC recognition:

Under Section	Date, Month & Year	Remarks(If any)
i. 2 (f)	14/07/1972	-
ii. 12 (B)	30/06/1996	-

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

d. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section/ clause	Recognition/Approval details Institution/Department Programme	Day, Month and Year	Validity	Remarks
i.	NA			
ii.				
iii.				
iv.				

(Enclose the recognition/approval letter)

8. Does the affiliating university Act provide for conferment of autonomy? (as recognized by the UGC), on its affiliated colleges?

Yes No

If yes, has the College applied for availing the autonomous status?

Yes No

9. Is the college recognized?

a. by UGC as a College with Potential for Excellence (CPE)?

Yes No

If yes, date of recognition: N.A.

b. for its performance by any other governmental agency?

Yes No

If yes, Name of the agency and date of recognition: N.A.

10. Location of the campus and area in sq.mts:

Location *	Semi- urban
Campus area in sq. mts.	17529.584 Sq.mts
Built up area in sq. mts.	11384.0148 Sq.mts

(*Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

Auditorium/seminar complex with infrastructural facilities	<input checked="" type="checkbox"/>
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• **Sports facilities**

Play ground

Swimming pool Nil

Gymnasium

• **Hostel**

❖ **Boys' hostel** -Nil

❖ **Girls' hostel**

i.	Number of hostels	1
ii.	Number of inmates	240
iii.	Facilities	Library and Reading Room, Study Hall, Two study corners, Indoor Stadium, Facilities for outdoor games, Chapel, Prayer room, Computer and internet, TV, CCTV surveillance system, Dining Room, separate dining for staff, availability of pure water (3 water purifiers and well water), nutritious and homely food, 12 hours security

❖ **Working women's hostel**- Nil

- **Residential facilities for teaching and non-teaching staff (give numbers available — cadre wise):**

The staff of the college are given accommodation in the college hostel.

- **Cafeteria — 1**

- **Health Centre**

✓ First aid

Inpatient, Outpatient, Emergency care facility, Ambulance.....

Health centre staff –

Qualified doctor	Full time	<input type="text"/>	Part-time	<input type="text"/>
Qualified Nurse	Full time	<input type="text"/>	Part-time	<input type="text"/>

- **Facilities like banking, post office, book shops:**

Banking and Post Office are within 50 m reach. Note books, pen etc. are available from the college store. Text Books are available on demand from the college store.

- Transport facilities to cater to the needs of students and staff:.
- Animal house: Yes
- Biological waste disposal: Yes
- Generator or other facility for management/regulation of electricity and voltage: Two Generators with 10 KV and 20 KV respectively.
- Solid waste management facility: Yes
- Waste water management: Nil
- Water harvesting: Yes

12. Details of programmes offered by the college (Give data for current academic year)

Programme Level	Name of the Programme/Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/approved Student strength	No.of students admitted
UG	B.Sc.Family and Community Science	3 years	+2	English	30	26
	BSc.Physics	3 years	+2	English	30	23
	B.Sc. Chemistry	3 years	+2	English	30	24
	B.Sc. Zoology	3 years	+2	English	25	22

	B.A. Economics	3 years	+2	English	40	44*
	B.Com	3 years	+2	English	40	40
	B.A. English (SF)	3 years	+2	English	24	16
PG	M.Sc. Community and Family Science	2 years	Degree	English	12	Admission not completed
	M.Sc. Physics (SF)	2 years	Degree	English	12	
	M.Sc. Chemistry (SF)	2 years	Degree	English	12	
	M.Sc. Zoology (SF)	2 years	Degree	English	20	
Integrated Programmes PG						
Ph.D.						
M.Phil.						
Certificate Courses	Communicative English	1 year	+2	English		15
	Certificate Course in Fashion Technology	1 year	+2	English		25
	Certificate Course in Yoga	3 months		English		7
	Certificate Course in Research Methodology	6 months	+2	English		39

	Certificate Course in MS Word	6 months	+2	English		23
	Certificate Course in Tally	6 months	+2	English		42
	Short Course in Home Science	4 months (two batches annually)		English		24
	Diploma in Computer Application (DCA)	6 months	+2	English		32
UG Diploma						
PG Diploma						
Any Other (specify and provide details)						

* Re-admission

13. Does the college offer self-financed Programmes?

Yes No

If yes, how many?

14. New programmes introduced in the college during the last five years if any?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Number	4
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15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Faculty	Departments	UG	PG	Research
Science	Home Science, Zoology, Physics, Chemistry	✓	✓	-
Arts	English, Economics	✓	-	
Commerce	Commerce	✓	-	-
Any Other (Specify)	-	-	-	-

16. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, M.Com...)

- a. annual system
b. semester system
c. trimester system

-
11
-

17. Number of Programmes with

- a. Choice Based Credit System
b. Inter/Multidisciplinary Approach
c. Any other (specify and provide details)

11

18. Does the college offer UG and/or PG programmes in Teacher Education?

Yes No

If yes,

- a. Year of Introduction of the programmes and number of batches that completed the programme
b. NCTE recognition details (if applicable): N.A.
c. Is the institution opting for assessment and accreditation of Teacher Education Programme separately?

Yes No

19. Does the college offer UG or PG programme in Physical Education?

Yes No

If yes,

- a. Year of Introduction of the programme(s) and number of batches that completed the programme: N.A.
b. NCTE recognition details (if applicable): N.A.
c. Is the institution opting for assessment and accreditation of Physical Education Programme separately?

Yes No

20. Number of teaching and non-teaching positions in the Institution.

Positions	Teaching Staff						Non-teaching staff		Technical Staff	
	Professor		Associate Professor		Assistant Professor		*M	*F	*M	*F
	*M	*F	*M	*F	*M	*F				
Sanctioned by the UGC/University/State Government Recruited	-	-	-	4	-	19	-	19	-	-
Yet to recruit						8		6		
Sanctioned by the management/Society or other authorized bodies Recruited	-	-	-	-	2	23	-	8	1	2
Yet to recruit										

*M-Male *F-Female

21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							23
D.Sc./D.Litt.	-	-	-	-	-	-	-
Ph.D.	-	-	-	01	-	10	11
M.Phil.	-	-	-	01	-	03	04
PG	-	-	-	02	-	06	08
Temporary teachers							25
Ph.D.	-	-	-	-	-	01	01
M.Phil.	-	-	-	-	01	02	03
PG	-	-	-	-	01	20	21
Part-time teachers							-
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-

22. Number of Visiting Faculty /Guest Faculty engaged with the College.

02

23. Furnish the number of the students admitted to the college during the last four academic years.

Categories	2012-2013		2013-2014		2014-2015		2015-2016	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	-	32	-	38	-	50	-	61
ST	-	-	-	02	-	06	-	03
OBC	-	74	-	88	-	79	-	85
General	-	215	-	337	-	397	-	462
Others	-	19	-	24	-	43	-	41

24. Details on students enrollment in the college during the current academic year:

Type of students	UG	PG	M.Phil	Ph.D	Total
Students from the same state where the college is located	559	89	-	-	648
Students from other states of India	03	01	-	-	04
NRI students	-	-	-	-	-
Foreign students	-	-	-	-	-

25. Dropout rate in UG and PG (average of the last two batches)

UG PG

26. Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) including the salary component

(b) excluding the salary component

27. Does the college offer any programme/s in distance education mode (DEP)?

Yes No

If yes,

a) is it a registered centre for offering distance education programmes of another University

Yes No

b) Name of the University which has granted such registration.

c) Number of programmes offered

d) Programmes carry the recognition of the Distance Education Council.

Yes No

28. Provide Teacher-student ratio for each of the programme/course offered.

Sl. No.	Course	Programmes	No.of Teachers	No.of Students	Teacher-Student Ratio	
1	UG	B.A	Economics	3	118	1:39
2		B.A	English(SF)	1	10	1:10
3		B.Sc.	Family and Community Science	2	77	1:13
4		B.Sc.	Physics	3	68	1:23
5		B.Sc.	Chemistry	4	81	1:20
6		B.Sc.	Zoology	3	70	1:23
7		B.Com.	Finance and Taxation	3	78	1:26
8	PG	M.Sc.	Community and Family Science	4	22	1:5
9		M.Sc.	Physics (SF)	4	22	1:5
10		M.Sc.	Chemistry (SF)	4	23	1:6
11		M.Sc.	Zoology (SF)	4	34	1:8

29. Is the college applying for

Accreditation: Cycle 1 Cycle 2 Cycle 3 Cycle 4
 Re-Assessment:

30. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

- **Cycle 1: 05/11/2001** - Accreditation Outcome/Result: **Three Star**
- **Cycle 2: 31/12/2009** - Accreditation Outcome/Result: **B Grade**

* *Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an annexure.*

31. Number of working days during the last academic year.

32. Number of teaching days during the last academic year.

(Teaching days means days on which lectures were engaged excluding the examination days)

33. Date of establishment of Internal Quality Assurance Cell (IQAC):
18/03/2005

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.

AQAR (i)	AQAR (ii)	AQAR (iii)	AQAR (iv)
18/12/2013	13/03/2015	02/02/2016	25/10/2016

CRITERION I: CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

Motto: Learn to Serve, Serve with Love.

Vision: To mould young women as prudent scholars and competent professionals capable of becoming ambassadors of graceful service to their families and to society.

Mission:

- ❖ To equip young women to cope with the challenges of the times by fostering self-respect and self-reliance, promoting divergent thinking and cultivating a knowledge culture.
- ❖ To ensure the all-round development of the students by providing value-based instruction and skills training.

Objectives: The Congregation of the Sisters of Nazareth, who manages the college, has piously undertaken the apostolic mission of ensuring the welfare of the families for the welfare of the nation. The college, being one of the avenues through which the management translates this core mission, naturally reflects the intention of the founders to empower young girls to become efficient and effective home makers as well as erudite and ebullient nation builders. This aim is translated through the various activities that represent the objectives of the college.

- ❖ To ensure academic excellence by providing quality teaching-learning experience.
- ❖ To impart an ambience of scholarship and research with a social commitment to each student and faculty.
- ❖ To expose the students to innovative technologies and updated data.
- ❖ To develop human resource skills and entrepreneurial skills to enhance the employability of the students.
- ❖ To empower young girls to be nation builders by making them knowledgeable, skilled and compassionate.
- ❖ To provide value-based holistic education capable of generating a philanthropic and service minded generation.

The vision, the mission and the objectives of the college are effectively communicated to the students, the staff and all the other stakeholders through various means:

- ❖ The vision and the mission of the college are publicised through the College Handbook, Prospectus, College Website, College Magazine, News Letters, Manuscript Magazines and other official as well as unofficial print publications of the college.
- ❖ The vision and the mission statements are displayed at the main entrance.

- ❖ The emblem and the motto of the college are displayed on the College Handbook, Main Auditorium, all the official letterheads of the college, all academic publications including the students' dissertations, practical records, mementos and certificates issued.
- ❖ The Morning Prayer stresses the vision, the mission and the motto of the college. The College Anthem, which encapsulates the essence of what the college stands for, is rendered everyday along with the Morning Prayer.
- ❖ Discussions in all the official gatherings, including PTA, are with focus to the vision and the mission of the college.
- ❖ Every year, the Principal gives a briefing at the beginning about the institution's vision and mission to the newly appointed teachers as well as to the first year students and their parents on their first day in the college.
- ❖ The vision, the mission and the motto are taken as topics of discussion in value education classes.
- ❖ The vision and the mission of each Department have been formulated in unison with the vision and the mission of the college.

1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

Action Plans for Effective Implementation of Curriculum.

- The College Calendar, included in the College Handbook, is designed in tune with the University Calendar and is distributed to the students and the faculty members at the beginning of each academic year.
- A Year Plan is prepared in the first staff meeting of each academic year.
- Regular staff meetings, in the compulsory presence of all the staff members, are occasions for the discussion of the plans and modifications to be implemented.
- The Staff Council meets periodically to evaluate the progress of the academic plan and suggests modifications, if needed.
- The syllabus of each subject is provided to the students at the beginning of every semester.
- The faculty keep Faculty Diary in tune with the general academic calendar.
- Departmental meetings are convened on a regular basis in all the departments to discuss the progress of curricular and co-curricular events.
- A consolidated report from each Department is submitted to the Principal at the end of every academic year.
- Morning Star Lecture Series provides exposure to advanced information in respective subjects.

Examples of Action Plans Implemented

Along with the time tested class room lecture method, the college lays emphasis on the following measures also for the effective implementation of the curriculum.

- **Tutorial Sessions:** There is an efficient tutorial system in the college guided by the class advisors. Tutorial sessions are held on Mondays from 01:00 pm to 01:30 pm to identify the needs and wants of the students.
- **Remedial Coaching:** Extra classes with a systematic schedule are provided on every Tuesdays from 1.00 pm to 1.30 pm to give academic assistance, especially to the disadvantaged and the slow learners.
- **Walk With a Scholar (WWS):** This scheme proposes to arrange specialised mentoring sessions for students in undergraduate programmes and to provide guidance for their future. The scheme introduces the idea of mentoring and builds on the concept of the mentor as a 'guide' and 'friend'. Along with informal and continual mentoring, formal mentoring sessions are arranged on all Wednesdays in the evening.
- **Scholar Support Programme (SSP):** This is a confidential learning-based programme with a holistic approach. Weak students, usually ten in number, are selected and assigned to a subject expert who gives special coaching to them every week, usually on Thursday evenings.
- **Peer Learning:** Student groups of 8-10 members are formed and a leader is appointed for each peer-group. The free hours are utilised for peer-learning sessions, wherein the already covered portions are revised.
- **Student-Teaching Sessions:** The students are encouraged to conduct teaching sessions; easier portions of the syllabus are allocated to the student teachers for the same.
- Extra-classes are provided to complete portions that couldn't be well dealt with because of various unprecedented reasons.
- **Add-on Course:** The UGC sponsored add-on course in Communicative English offered by the Department of English and the other certificate courses offered in the campus serve the function of bridging the knowledge gap of students while learning the prescribed curriculum.
- **Hands-On-Training:** The Department of Home Science provides hands-on-training in cooking, textiles and fashion designing.
- **Dietary Counselling Centre:** The Centre, under the Department of Home Science, offers authentic clarifications and necessary guidance in dietary matters to the students and the public.
- **Industrial Visits:** The students of Chemistry, Physics, Home Science and Commerce are taken for industrial visits periodically to ensure a higher level understanding of their curriculum.
- **ICT Facilities:** Internet, photocopying etc. are made available to the students to help them in their studies, assignments and seminars.
- **Angelica Theatre (Audio-Visual Room):** The audio-visual room offers facilities for the screening of videos and films related to the syllabus. This provides the students with wider perspectives on their subjects. Seminar presentations are also conducted in this room.

1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or Institution) for effectively translating the curriculum and improving teaching practices?

University Level:

- At the time of every curriculum revision or modification, the university makes the following available to the teachers - course objectives, contents, list of reference books and question paper patterns.
- A University Examination Calendar that helps to plan and co-ordinate the activities of the curriculum is provided by the university.
- The faculty attend refresher courses and orientation programmes conducted by universities and Academic Staff Colleges.
- Workshops, discussions and periodical meetings are conducted at the university level for the restructuring of the curriculum and syllabus. The teaching faculty take active participation in such meetings.

College Level:

- The **Internal Quality Assurance Cell** of the college, constituted in 2005 according to the guidelines of the NAAC, functions as a team to ensure teaching expertise and proficiency to enhance the quality of the institution.

Workshops, Seminars and other Initiatives:

- The college organises faculty orientation programmes and Induction Programme for the newly-appointed teachers for improving the quality of the teaching and non-teaching staff.
- Every year, UGC-sponsored national seminars are conducted by the departments, under the guidance of the IQAC.
- Supplementary activities to improve general awareness and professional quality of the students are carried out by the departments.

ICT Facilities:

- The college has internet connection in all the departments, LAN connectivity, browsing facilities in the Computer Lab and the Library, advanced language-learning facilities in the Language Lab and two smart rooms including the audio-visual room.
- LCD projectors are provided as a teaching aid for every department.
- The postgraduate laboratories of Physics, Chemistry and Zoology are provided with internet connectivity.
- The intercom facility available within the campus serves to connect different departments.
- Wi-Fi connectivity in the campus ensures faster and easier use of the internet.
- Photocopying and print out facilities are available for the faculty and the students in the Central Library and the Computer Lab. Besides, all the departments are provided with computers and printers.
- Photocopying and printout facilities are available in the College Office for printing question papers and other official documents regarding academic matters.

The College Library:

- An updated collection of books especially on core subjects, depending on the needs and requirements of the UG and PG syllabi, is accessible to the staff and the students in the Library.
- To be in tune with the advanced technological development, the Library has been digitised with Techfocus Software.
- E-journals, online databases and NLIST of INFLIBNET are made available for updated knowledge of various subject areas and contemporary research going on in various innovative fields.
- Membership in NLIST Consortium, which contains more than 80,000 e-books and articles, helps to enhance research aptitude and the required literature to be reviewed for further research.
- The Central Library is backed by the separate subject libraries in the respective departments for reference by the faculty and students.

Infrastructure Facilities:

The infrastructure provided by the college positively influences the teaching atmosphere:

- Well-furnished, properly lit and sufficiently ventilated classrooms, laboratories, staff rooms and administrative offices.
- Prayer Hall in the Main Block helps in overcoming the stress of learning and provides the staff and students with strength and relaxation.
- Hostel accommodation is offered for the faculty, the students of the college and the students from other colleges.
- Noon meals, both vegetarian and non-vegetarian, are provided to all without discrimination at a reasonable rate from the college hostel. A separate mess is arranged for the faculty, from where a good number of the faculty take their noon meals.
- The canteen cum store provides light refreshments and essential stationery items to the students and the faculty.
- Six well-equipped seminar halls serve as comfortable venues for seminars and presentations.
- Result analysis and regular feedback from stakeholders enable the teachers to function effectively.
- Faculty enrichment programmes have helped the teachers to improve their professional abilities and to enhance their participation in international/national seminars.
- The teachers have also been motivated to organise various programmes related to academics like publications and paper presentations.

1.1.4 Specify the initiatives taken up or contribution made by the Institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.

- Timely appointment of teaching faculty is taken care of by the management thus avoiding any delay in the completion of portions and loss of time. In cases where the posts are not ratified by the government, the vacancies are filled in by the college management at its own expense.
- Quality and merit are the sole criteria for the appointments of the faculty. Academic excellence and research aptitude are appreciated in the aspiring applicants interviewed for teaching positions.
- The college conducts an orientation programme for the newly joined UG and PG students and their parents in the beginning of every year to discuss the programme structure, evaluation system, mark system, credits etc.
- Post Graduate classes are provided with LCD projectors and the teachers utilise them to make classroom teaching more effective. The Audio-Visual Room is extensively used by the teachers and the students for Power Point Presentations, demonstrations, film shows etc.
- Each department is encouraged to conduct co-curricular activities in relation to the curriculum and syllabus. This includes inter-departmental activities like poster-making competitions, quiz competition, photo-exhibitions, debates, presentations etc.
- An updated library with newspapers and e-journals are made available to the faculty and the students.
- Apart from the prescribed assignments, seminars and internal examinations, test papers and model examinations are conducted to familiarise the students with the examination system.
- The faculty members are provided classes and seminars to enrich them with innovative and effective ways of teaching and learning.
- UGC sponsored National Seminars and lectures are conducted by each department in their respective subject areas.
- Ten days Internship is made compulsory for the first semester PG students of the Department of Home Science in hospitals and ten days teaching practise in nursery schools and special schools under 'Early Childhood Care and Education' in the second semester in order to help them to acquire practical knowledge of the theoretical concepts.

1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalization of the curriculum?

- PG students are encouraged to do their project work in reputed institutions. PG students of Chemistry do their project work in industries like Cancor Angamaly, A .K. Flavours Vazhakkulam, FACT etc. PG students of Physics do their project study in Cochin College and Cochin University of Science and Technology. PG students of Home Science use the labs of Zoology and Chemistry of our college for doing their project.
- The UG students of Home Science conduct their practical studies in the Play School of our college.

- The departments organize national seminars in association with other institutions enabling students to acquire different streams of knowledge.

Table 1.1: Academic Ties

Department	Institutes with which it has academic ties
Home Science	British Biologicals
	Little Flower Institute of Medical Sciences and Research Centre, Angamaly
	Guiders India, Kadavanthra
	General Hospital, Ernakulam
	Edwise Consultants
	Pioneer Fruit Cans, Koovappady
	The Boutique, Palarivattom
	Gokul Foods
	CAD Design
	Sahrudaya Silks, Angamaly
	NIPPON Kerala Centre
	University of Kobe
	Indian Medical Association District Task Force, Ernakulam
	Micro Small Medium Enterprise, Ettumanoor
	Kerala State Council for Science & Technology
Department of Science & Technology, Govt. of India	
Swadeshi Science Movement	
Zoology	Mithradham Renewal Energy Centre, Ernakulam
	CMFRI, Cochin
	Kerala Forest Research Institute, Peechi
	Sree Narayana Institute of Medical Sciences, Chalakka, Kuthiyathod
	Central Marine Fisheries Research Institute, Cochin
Zoological Society of Kerala	
Chemistry	Travancore Cochin Chemicals, Kochi
	Cochin Refineries Ltd., Ambalamugal
	Kerala Chemicals & Proteins
	Apollo Tyres
	Binani Zinc
	Hindustan Insecticides Ltd.
	CUSAT, Kalamassery
	AKAY Flavours, Vazhakkulam
Kerala State Council for Science, Technology & Environment	
Physics	Kerala State Council for Science, Technology & Environment
	DST, Govt. of India
	Nirmala College, Muvattupuzha

	Kerala Shasthra Sahitya Parishat
	Indian Association of Physics Teachers (IAPT)
	Academy of Physics Teachers, Kerala (APT)
	Energy Conservation Society (ECS)
	International School of Photonics, CUSAT
	Officer's Association of Kerala State Electricity Board
Economics	Department of Applied Economics, CUSAT, Kalamassery
	Department of Economics, Nirmala College, Muvattupuzha
	Department of Economics, U.C. College, Aluva
	Kerala State Bamboo Corporation Ltd., Angamaly
	Department of Economics, Newman College, Thodupuzha

The college has entered into the following MoUs:

- The Department of Commerce: Tally, Info Solutions Pvt. Ltd.
- The Principal of our college has signed an MoU with Kerala Small Industries Development Corporation Ltd. (SIDCO) under Centre for Continuing Education, Kerala for conducting the Diploma course in Computer Application (DCA).
- Vidhyajyothi Padanakendram, Perumbavoor.

1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University? (Number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions, etc.)

- The faculty attend curriculum review meetings/ review workshops on various subjects conducted by the University.
- Faculty also serve as Chairpersons for various University examinations.

Table 1.2: List of Faculty in the Boards of Studies/ Subject Experts

Name and Department of the Faculty	Position Held	Period
Dr. Laisa Thomas (Economics)	Subject Expert for the selection of Project Associate for Major Research Project.	2012
Ms. Sophia James (English)	Subject Expert in the Inspection Commission constituted by Mahatma Gandhi University for starting new U.G. Courses in self-financing colleges.	2013
Dr. Laisa Thomas (Economics)	Subject Expert, Inspection Commission constituted by Mahatma Gandhi University for starting new U.G. Courses/additional batch in unaided Self-financing colleges.	2013

Sr. Dr. Rosily A.V. (Chemistry)	Question Paper Setter for the Autonomous Institution- St. Teresa's College, Ernakulam.	2014
Dr. Lizmitha Godwin (Home Science)	Subject expert for FIP approval for Ms. Rosemary Francis of St. Teresa's College, Ernakulam at M. G. University	2015
Dr. Lizmitha Godwin (Home Science)	Member, U.G. Board of Studies M. G. University	2015
Dr. Lizmitha Godwin (Home Science)	Member, P.G. Board of Studies, M. G. University	2015
Dr. Lizmitha Godwin (Home Science)	Alumnae Member for Board of Studies in Home Science, St. Teresa's College, Ernakulam (Autonomous)	2015
Dr. Laisa Thomas (Economics)	Subject Expert, Interview Board in Economics for the selection of Higher Secondary Teachers in Mar Augustine Higher Secondary School, Thuravoor.	2015
Prof. Rajagopalan M.G. (Chemistry)	Member, PG Board of Studies M. G. University.	2015
Dr. Lizmitha Godwin (Home Science)	Member , UG & PG Board of Studies, Kannur University	2016
Dr.Beena George (Mathematics)	Evaluator of Ph.D. Thesis.	2016
K. Leena Joseph (Zoology)	Member, UG Board Vimala College, Thrissur (Autonomous).	2016
Dr. Teji K. T. (Zoology)	Member, UG and PG Boards St. Joseph's College, Irinjalakuda (Autonomous)	2016
Prof. Rajagopalan M.G. (Chemistry)	Member in Academic Councils of Autonomous College- Maharajas College, Ernakulam.	2016
Rajani Devi T.R. (Home Science)	Subject Expert of UG and PG Boards, Vimala College, Thrissur- (Autonomous)	2016- 2018

Feedback/suggestions are collected from the stakeholders at various points of time and passed on to the University at the time of the designing/restructuring of the curriculum through our teachers who are members of the various Boards of Study and are incorporated into the syllabi for the benefit of students.

1.1.7 Does the Institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If 'yes', give details on the process ('Needs Assessment', design, development and planning) and the courses for which the curriculum has been developed.

- The curriculum for the PG course of Home Science (Community and Family Science) of Mahatma Gandhi University is designed under the active involvement of the faculty of the Department of Home Science.
- The Department of English offered a UGC sponsored Add on Course in 'Communicative English' during 2010-2015 which is presently converted into a certificate course. The syllabus of the course was designed by the Department of English.
- The syllabi for the certificate courses- Fashion Technology, Yoga, Research Methodology and MS Word-offered by the college are designed by the respective faculty.

1.1.8 How does the Institution analyse/ensure that the stated objectives of curriculum are achieved in the course of implementation?

- Central monitoring is done by the Principal, accompanied by the personal monitoring of the heads of the respective departments. Necessary guidance is given to the students and the faculty at the required points of time.
- The class advisors are assigned the charge of ensuring the completion of the prescribed syllabi well before the university examinations.
- Care is taken while arranging co-curricular activities that the regular classes are not affected. In case of need, the Principal, in consultation with the heads of the departments, arranges compensatory classes.
- Continual evaluation process by way of seminars, assignments, internal and model examinations, oral viva etc. helps to achieve the objectives of the curriculum to a great extent.
- Slow learners and advanced learners are identified by the teachers concerned and programmes like Remedial Coaching, Peer-Learning, student-teaching sessions, Scholar Support Programme and Walk With a Scholar are arranged according to their capacity. Availability and approachability of the teachers are always guaranteed to the students.
- Oral feedback from the students is encouraged throughout the course of curriculum implementation. In the PTA meetings, the parents are encouraged to evaluate the progress of the implementation of the curriculum. Regular assessment is done in the meetings of the IQAC and the Staff Council on the objectives of the curriculum.
- PTA Meetings are conducted once in a year. The parents are free to meet the teachers or consult them via phone at any point of time.
- There are printed feedback forms with customised data for eliciting feedback from the various stake holders. Such forms are circulated among the students for evaluating their teachers, among the teaching staff to

evaluate the non-teaching staff and vice versa, among the guardians to evaluate the institution.

- Many scholarships are made available for the underprivileged students-particularly economically backward classes and differently-abled students-for their better academic performance.
- Value-added programmes like Incitement Programme, Jesus Youth Prayer Meetings and Student Counselling that are conducted on a regular basis ensure the right intellectual and emotional ambience in students thus supporting the complete implementation of the curriculum.
- The various eco-friendly initiatives carried out in the college like rainwater harvesting, providing raw material for recycling, organic farming, ornamental fish breeding, Butterfly Garden, Herbal Garden, Medicinal Garden, Botanical Garden, Neeharam Nature Club, notices informing students about the need for energy conservation etc. help to generate socially responsible citizens through the practical implementation of the syllabus.

1.2 Academic Flexibility

1.2.1 Specifying the goals and objectives give details of the certificate/diploma/skill development courses etc., offered by the Institution.

Table 1.3: Details of Certificate/Diploma Courses

Name of the Course	Department	Objective
Certificate Course in Communicative English	English	To train the students to gain fluency in English in order to enhance their professional competence.
Short Course in Home Science	Home Science	To provide skills (like cooking, stitching, tailoring, and craftwork) required for an expert entrepreneur and home-maker.
Certificate Course in Yoga	Physical Education	To enable the students to lead a healthy life style based on concepts of fitness and wellness.
Certificate Course in Tally	Commerce	To equip the students with practical knowledge of basic accounting.
Diploma in Computer Application (DCA)	Management	To provide the students with fundamental knowledge, skills of computers basics, logical techniques, file handling and different types of softwares.

Certificate Course in Fashion Technology	Home Science	To provide practical experience in the fundamentals of fashion designing.
Certificate Course in MS Word	Physics	To inculcate basic computer skill like MS Office, Power Point Presentation and basic knowledge in Programming among students.
Certificate Course in Research Methodology	Economics	To develop research aptitude among students and thereby enabling them to become competent in the field of research.

1.2.2 Does the Institution offer programmes that facilitate twinning /dual degree? If 'yes', give details.

Since the university affiliated system doesn't permit much academic flexibility, the possibility of offering such courses are almost nil. However, extra-inputs are provided through certificate courses, diploma courses, open courses and choice based courses.

1.2.3 Give details on the various Institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability.

Remaining within the University Affiliated system, the college has been efficiently imparting the prescribed syllabi to the students. However, in order to achieve a wider scope for the subjects taught here, the institution has opted for specific courses under the Choice Based Credit and Semester System. Under the CBCSS, three year UG programmes are conducted in six semesters.

Morning Star Home Science College is the sole institution in Mahatma Gandhi University to offer M.Sc. in Community and Family Science (General Home Science) and the curriculum of the programme is designed with the active involvement of the faculty of the Department of Home Science.

Table 1.4: Range of Core/Elective options opted by the College for UG Programmes (CBCSS System)

Part	Course
I	English (Common)
II	Malayalam/Hindi (Common)
III	Core and Complementary

Table 1.5: Core and Complementary Courses for UG Programmes

	Programme	Complementary	Seats
1.	Economics	Sociology and History	32
2.	English	History and British History	24
3.	Chemistry (Model II)	Mathematics (Complementary), Polymer Chemistry (Elective)	24
4.	Family and Community Science	Chemistry and Zoology	24
5.	Physics (Model II)	Mathematics (Complementary), Applied Electronics (Elective)	24
6.	Zoology	Chemistry and Botany	20
7.	Commerce	Finance and Taxation	40

Open and Choice Based Courses

The students of all subjects are offered open courses as a major subject in the fifth semester as an opportunity for the learners to study a subject of their interest, which does not strictly belong to their own area of study. Their choice here can in turn help them to decide their progression to higher studies .

Table 1.6: List of Open Courses Offered for UG Courses

Sl. No.	Department	Open Courses
1.	Economics	Foundations of Environmental Economics
2.	Zoology	Vocational Zoology
3.	Home Science	Interior Decoration and Related Arts
4.	Physics	Energy and Environmental Science
5.	Chemistry	Dairy Science
6.	Commerce	Fundamentals of Accounting
7.	Physical Education	Physical Health and Life Skills

In the sixth semester of the UG programmes under CBCSS, each department has to choose one choice-based course from the options offered by the university.

Table 1.7: List of Choice Based Courses for the UG Programmes opted by the College

Sl.No.	Department	Choice based Courses
1.	Economics	Human Resource Management
2.	Zoology	Economic Zoology
3.	Home Science	Food Quality Assurance
4.	Physics	Renewable Energy Technology
5.	Chemistry	Polymer Chemistry
6.	Commerce	Finance and Taxation

For the PG Programmes, Credit and Semester System (CSS) has been followed since 2012-'13. PG programmes have four semesters.

Table 1.8: Details of the PG Programmes (CSS)

Sl. No.	Programme	Discipline
1.	M. Sc.	Home Science (Community and Family Science)
2.	M.Sc.	Zoology
3.	M.Sc.	Physics
4.	M.Sc.	Chemistry

Enrichment Courses: The certificate/diploma course offered and the activities of the different clubs offered in the college contribute a great lot in the skill development of our students.

Table 1.9: Clubs Offered by the Departments

Sl. No.	Department	Club
1.	Home Science	VIBGYOR
2.	Zoology	Neeharam Nature Club
3.	Economics	HRD Club
4.	Physics	Quiz Club
5.	Commerce	Jhankar Beat
6.	Languages	Finesse Circle
7.	Physical Education	Fitness Club
8.	Library	Akshajam Reading Club

- Coaching for NET and PSC exams is also offered for the students.
- The college has opted for programmes like WWS and SSP under the initiative of the Government of Kerala.
- Remedial Coaching and tutorial sessions are also provided to the students.
- Activities like NSS, AICUF and Women's Cell help the students to increase their leadership qualities and develop their personalities.

1.2.4 Does the institution offer self-financed programmes? If 'yes', list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

Yes, the institution offers self-financing programmes. Their basic fee structure is enlisted below:

Table 1.10: Structure of Self-Financing Programmes

Sl. No	Programme	Subject	Year of Commencement	No. of seats	Curriculum Prepared by	Fee Structure (Per Sem)
1.	M.Sc.	Zoology	2004	20	University	Rs.30, 000
2.	M.Sc.	Physics	2013	12	University	Rs.40, 000
3.	M.Sc.	Chemistry	2013	12	University	Rs.40, 000
4.	B.A.	English	2015	24	University	Rs.10, 000

Table 1.11: Elective Courses for PG Programmes

Sl. No.	Department	Elective
1.	Zoology	Entomology
2.	Physics	Electronics
3.	Chemistry	Pure Chemistry
4.	Home Science	1. Sustainable development and organization. 2. Product development and marketing and entrepreneurship. 3. Human rights, mental health perspectives and gerontology. 4. Clothes, furnishings and nutrition for special needs (sports, fitness and disabilities). 5. Craft documentation and portfolio- Practical.

Admission: Admission of students to the self financed courses is according to the rules and regulations of Mahatma Gandhi University. 50 percent of the seats are filled by the Centralized Allotment Process (CAP) of Mahatma Gandhi University on merit basis and 50 percent by Management Quota. The curriculum is same as that of regular courses.

Teacher Qualification: The eligibility of the teachers for self-financing programmes is in concurrence with the rules stipulated by the University and the Government. However, preference is given to candidates with UGC/ CSIR NET eligibility. Salary for teachers of self-financed programmes is decided by the management according to their expertise and experience. Yearly revisions are applied considering their qualifications and experience.

1.2.5 Does the College provide additional skill oriented programmes, relevant to regional and global employment markets? If 'yes' provide details of such programme and the beneficiaries.

The certificate courses offered by the departments enable the students to become more competent in improving communication skills in English, accounting, computer basics, yoga and other additional skill oriented programmes relevant to regional and global employment markets.

Table 1.12: List of Certificate/ Short Courses offered by the College

Name of the Course	Beneficiaries	Duration
Certificate Course in Communicative English	Students of all Departments	1 Year
Short Course in Home Science (2 batches annually)	Public	4 Months
Certificate Course in Yoga	Students and Public	1 Year
Certificate Course in Tally	Students of Commerce	6 Months
Diploma in Computer Application (DCA)	Students of all Departments	6 Months
Certificate Course in Fashion	Students of Second Year	1 Year

Technology	Home Science	
Certificate Course in Research Methodology	Final Year Students of Economics	6 Months
Certificate course in MS Word	Students of Physics	6 Months

1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice” If ‘yes’, how does the Institution take advantage of such provision for the benefit of students?

The University does not provide for this facility.

1.3 Curriculum Enrichment

1.3.1 Describe the efforts made by the institution to supplement the University’s Curriculum to ensure that the academic programmes and institution’s goals and objectives are integrated?

- While the prime objective of the institution is educating women to be the builders of strong families and thereby a strong nation, the institution never fails to seriously take into account the present day requirement of moulding them as prudent scholars and competent professionals. This integration of the main objectives of the institution and of university education helps to focus better on the beneficiaries and to provide them with an advantageous outlook to academics and to life at large.
- Punctuality and dedication to job are necessary requirements for the faculty as these help in achieving the goals and objectives of the college.
- The faculty is enlightened about the values upheld by the college through periodical orientation programmes and invited talks. Former Teachers’ Forum is one such initiative that helps the present faculty to be in touch with the former ones who act as torch bearers and models in living the ideals for which the college stand.
- The students are provided ample opportunities to enhance their moral and ethical values, mainly through value education classes. A written exam is held towards the end of the year to ensure the extent to which the students have grasped the ideas imparted to them.
- The National Service Scheme of the college takes special care and attention in organizing events and talks focusing on moral, ethical, and socially relevant issues. They also conduct demonstration classes and workshops with the participation of eminent personalities and experts who can guide the students in these areas.
- Being a women’s college, the institution conducts awareness programmes with emphasis on gender justice and conscientization. The Women’s Cell in the college and the sessions on gender questions taught as part of the curriculum sensitize students towards the socially relevant issues of gender that require attention and learning.

- Personal and professional counseling is provided to the students for their psychological well-being. Various activities that help students and faculty to be aware of social, spiritual and environmental issues that need immediate attention and response are conducted by Youth Red Cross, AICUF and SCAWEP.
- Patriotism is instilled in the minds of students through observing National Days, conducting various competitions in relation to national integration, singing of the National Anthem at the end of every occasion and participating in activities of social commitment.
- The AICUF organizes personality development programmes for students that help to strengthen and boost their self-confidence and self-esteem to face personal and professional crises.
- Yoga classes organized by the Department of Physical Education enable students to acquire mental and spiritual balance required for a healthy mind and better academic performance.
- Scholar Support Programme, Walk with a Scholar, Remedial Coaching and Tutorial Sessions help students to understand the prescribed syllabus better.

1.3.2 What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?

- The Career Guidance Cell, which started operating in 1995, assists students to select the right profession of their choice and interest. Its major programmes include talks, debates, seminars and career aptitude tests.
- The certificate course in 'Communicative English' helps to enhance language skills and confidence to face job interviews in future.
- The students are given practical training in skills like cooking, tailoring, fashion designing, farming, aquaculture etc. to turn them into successful entrepreneurs.
- UGC NET/JRF coaching classes are organized for the students who aspire for lectureship or higher studies.
- Walk With a Scholar (WWS) programme is designed in such a manner that the students are introduced to various employment and career opportunities through invited talks by experts who belong to a variety of professional arena.
- Coaching classes for PSC exams and Diploma in Computer Applications are arranged for the students to become competent in competitive examinations.
- UGC sponsored seminars and workshops are organized.
- Study tours and field visits are conducted to get first hand information.
- Lectures under 'Morning Star Lecture Series' are arranged by each department.

- Suggestions regarding curriculum are presented before the Board of Studies.

1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?

The College has taken many strides in integrating cross-cutting issues into the curriculum. They are enlisted below:

Gender sensitization:

- One of the major objectives of the institution is to empower women as intellectually and professionally competent women. A number of activities are given in this regard at various points of time.
- SREYAS (Women's Cell) functions very actively in the campus creating awareness on gender issues and their social implications and efforts to produce economically self reliant women are taken care of by the Women's Cell.
- National and international days that celebrate the worth and value of women are observed in the college.
- Sensitization regarding issues like dowry, female foeticide, inequality in education and jobs, rapes, stereotyping, women trafficking, etc. is done through film shows, debate sessions and group discussions in classes.
- Meetings and rallies are conducted in the college by the NSS regarding the atrocities faced by women in domestic and work space.
- The students are provided with training in self-defense in order to deal with any instance of physical assault.
- Chethana, an endowment programme, is conducted in alternate years by the Department of Chemistry as a one-day seminar for mothers of the students with the intention of enlightening and empowering them.
- Kudumbotsav 2015 (Kudumbotsav means Family Fest), an initiative of the management of the institution, was held in the college as a three day programme with the theme of family as the thrust area for the students of our college and the general public. The event consisted of exhibition, seminars, panel discussions and arts events. An entire stall in the exhibition was dedicated for highlighting the socially relevant issues related to gender. Classes emphasizing the vital role played by women in maintaining family and social security were also held.

Climate Change and Environmental Education: The institution has always been very particular in maintaining a green and clean campus that is amiable for the students to be in. Apart from the general cleanliness and eco-friendly atmosphere of the campus, various programmes are consciously organized to educate the students about the need for an ecologically conscious and balanced lifestyle. Sustainable development is taught as the ideal to be pursued, not just as part of the syllabi but as a living reality, which is being made practical through the following initiatives:

- Society for Conservation of the Animal World and Environmental Protection (SCAWEP) functions under the Department of Zoology. It is intended to make awareness among students regarding the issues that concern environmental conservation and preservation. Posters bearing messages on the need for environmental protection are pasted at different spots by SCAWEP.
- Neeharam Nature Club functions under the Department of Zoology. Field trips and camping in forests are undertaken by the Club in order to facilitate the students' exposure to the 'raw' nature as against the urban style of living. This, in turn, creates an awareness and responsibility among students regarding ecological conservation.
- Observance of internationally relevant days for environmental protection by the various departments and clubs enable students to be aware of the need to be ecologically responsible. Examples include commemoration of World Environment Day, World Wetlands Day, Ozone Day etc. Competitions like poster designing, quizzes, paper presentations, seminars, collage etc. are also held in relation to the same.
- A herbal garden has been set up in the campus, incorporating around 150 varieties of flora, with the financial assistance of the Kerala Medicinal Plant Board. Various forms of fauna are also ensured through pisciculture, conservation of birds, rabbits, etc.
- Cleaning of public places is carried out as a voluntary activity by the NSS every year in order to spread the message of a green and clean future.
- The Department of Zoology has set up a Vermiculture Unit, which organizes vermibed preparation and classes on vermiculture.
- The true spirit of organic farming is disseminated amongst the population of the locality through the sale of organic manures and medicinal herbs. Organic farming is also undertaken by the students in the campus to introduce them to the eco-friendly practices of cultivation.
- Energy conservation initiatives are promoted in the college through rainwater harvesting, providing raw material for recycling and through reminders to save energy.

Human Rights: The college promotes universal human dignity and the need for recognizing human rights irrespective of differences in caste, creed, race or gender through a variety of events and classes held in this regard.

- The Youth Red Cross Unit started functioning in the college in 2005. It focuses on creating awareness of human rights and encouraging the students to work for the betterment of human life and situations in case of natural atrocities and other calamities.
- National and international days of human rights are observed in the college.
- Conducting various programmes by the NSS instills the importance of human rights in the minds of the students.

- Save-a-Star, a funding scheme, provides funds for the education of economically backward students in the college, for the medical treatment of the family members of our students and to others in case of need.
- Palliative care initiatives, visits to Homes for the Aged and reaching out to the marginalized have been active considerations of the college.

ICT Facilities:

- The Computer Centre provides students with printout, internet, and photocopying facilities. Required training in using computers and personal assistance are also provided to students by the computer instructor.
- Audio-visual room is made use of by the faculty and the students for film shows and classes that employ power-point presentations, graphical representations, geographical maps etc.
- Language Laboratory comprises language software that helps students to enhance their language skills, especially listening and speaking skills.
- Wi-Fi campus enables easy access to internet and gain information where and when needed. The Library, Computer Center and all the departments utilize this facility.
- E-journals and e-books are made available to the students through the Library.

1.3.4 What are the various value-added courses/enrichment programmes offered to ensure holistic development of students?

- Value education classes-Incitement Programme- are held weekly for the holistic development of the students. Discussion of topics on ethical and moral concerns and ponderings on the objectives, the vision, the mission and the motto of the college are the thrust areas of these classes. A written examination is held at the end of the year to ensure that the students have grasped the essence of these discussions.
- Share a Meal programme is conducted every first Friday. The students bring an extra lunch packet for the inmates of Abhayabhavan, a home for the destitute, situated in Perumbavoor. This initiative helps create empathy and concern for others in the minds of the students.
- Counselling is offered to the students on a regular basis. Every batch of students is placed under the personal supervision of a teacher who monitors their academic, material and psychological provisions. Trained counsellors and parents are contacted to keep the system active.
- St. Jude Counselling Centre is a professional counselling centre approved by the Government of Kerala functioning in the campus under the guidance of Sr. Arpitha CSN. The service of three external counsellors is also available here. The students who are in need of professional counselling are identified by the teachers and seek the help of this professional group.

- Initiation Day begins with readings from the Holy Books of different religions and messages that emphasize communal harmony and universal brotherhood. Thus, an attitude of secularism is instilled in students.
- Holy Mass is conducted on every first Friday for Catholic students. The College Chapel is open for prayers for students of every religious order.
- All India Catholic University Federation (AICUF) has an active unit functioning in the college. The unit organises many programmes for the personal and spiritual development of the students.
- The National Service Scheme upholds the message of service that has to be selflessly rendered to the society abandoning the selfishness of individual interests. The volunteers involve themselves in the activities of the NSS with enthusiasm and genuine community concern. The NSS of our college has adopted one ward of Nedumbassery Panchayath and conduct various programmes there.
- Anti-ragging is a policy strictly followed in the college. Strict measures are taken against any misbehaviour from the part of seniors towards newly-joined students.
- Certificate/ Diploma Courses are offered by the different departments.
- Every working day begins with the college anthem and Morning Prayer followed by ‘thought for the day’.
- Onam, Christmas and Ramzan are celebrated in unison.
- Part of the noon break, from 1.00 pm to 1.30 pm of every Monday is allotted for tutorial session. The class advisor is in charge of this session. In tutorial session, topics on moral and ethical issues are discussed.
- Jesus Youth Programme provides an ethical orientation to students. Jesus Youth conducts prayer meetings on every Thursday from 12.50 pm to 1.15 pm.

1.3.5. Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

- The present system of education does not allow space for a direct feedback from the stakeholders. However, within the admissible provisions, the college does collect feedback from students, parents and the alumnae for the enrichment of the curriculum. The major source of feedback comes from the formal feedback form filled by the students at the end of each semester. The feedback of the parents regarding the general aspects of the curriculum is taken during the PTA meetings. PTA meetings allow a space for the parents to give suggestions about the individual performances of their wards. These feedbacks are taken into account and are communicated to the Board of Studies and the needed changes are incorporated in the teaching pattern.
- Feedback from the alumni is also collected in the alumni meeting. The alumni meet is held on the second Saturday of August every year. The

suggestions of the alumni are seriously considered and implemented for the smooth functioning of the college.

1.3.6 How does the Institution monitor and evaluate the quality of its enrichment programmes?

- The main academic body that ensures the quality of the enrichment programmes is the IQAC. The IQAC meets once in a month and evaluates the academic programmes in the college.
- The Staff Council also monitors the programmes to ensure quality.
- The suggestions regarding curriculum are conveyed to the University through the members of the academic bodies of the university.
- The student attendance for the value-added programmes organised by the college is also a clear indicator of the quality of the same.
- Feedback from the PTA, the alumni and the students serve as a method for evaluating the quality of the programmes.

1.4 Feedback System

1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?

The curriculum for the UG and the PG programmes are prepared by the University by conducting curriculum revision workshops and seminars to the teachers of the affiliated colleges. The Principal deposes the faculty members from each department to attend the workshop. This is a platform for the teachers to express their suggestions and comments.

Table 1.13: Faculty Participation in Curriculum Review Meetings/Workshops of the Mahatma Gandhi University

Sl. No.	Name of the Faculty	Department	Course, Venue & Year
1.	Usha K.R.	Zoology	UG, M.G. University, December 2011.
2.	Dr.Laisa Thomas	Economics	UG, M.G. University, December 2011.
3.	Dr.Lizmitha Godwin	Home Science	UG,Kannur University at Renewal Centre, December 2013.
4.	Usha K.R.	Zoology	UG, U.C. College, Aluva, 2013.
5.	Lisue Xavier	Chemistry	UG, U.C. College, Aluva, 2013.
6.	Reena Varghese	Botany	UG, U.C. College, Aluva, 2013.
7.	Pauline Joseph K.	Physical Education	UG, U.C. College, Aluva, 2013.
8.	Dr. Laisa Thomas	Economics	UG, U.C. College, Aluva, 2013.

9.	Sophia James	English	UG, U.C. College, Aluva, 2013.
10.	Sr. Dr. Ciji P.P.	Zoology	PG, S.B.College, Changanacherry, 2013.
11.	Sajana T. K.	Zoology	PG, S.B.College, Changanacherry, 2013.
12.	Sr. Dr. Ciji P.P.	Zoology	PG, Alphonsa College, Pala, 2014.
13.	Riji Joseph	Zoology	PG, Alphonsa College, Pala, 2014.
14.	Usha K.R.	Zoology	UG, M.G. University, February 2016.
15.	K. Leena Joseph	Zoology	UG, M.G. University, February 2016.
16.	Sr. Dr. Ciji P.P.	Zoology	M.G. University, March 2016.
17.	Riji Joseph	Zoology	PG, M.G. University, March 2016.
18.	Dr. Laisa Thomas	Economics	UG, M.G. University, March 2016.
19.	Dr. Resmi G.	Economics	UG, M.G. University, March 2016.
20.	Dr. Lizmitha Godwin	Home Science	PG, M.G. University, March 2016.
21.	Dr. Sr. Shemi George	Home Science	PG, M.G. University, March 2016.
22.	Megha Thampy	Home Science	PG, M.G. University, March 2016.
23.	Rajani Devi T.R.	Home Science	PG, M.G. University, March 2016.
24.	Dr.Lizmitha Godwin	Home Science	UG, M.G. University, March 2016.
25.	Sr.Dr. Shemi George	Home Science	UG, M.G. University, March 2016.
26.	Megha Thampy	Home Science	UG, M.G. University, March 2016.
27.	Rajani Devi T.R.	Home Science	UG, M.G. University, March 2016.
28.	Lisue Xavier	Chemistry	UG, M.G. University, February 2016.
29.	Sr.Dr. Rosily A.V.	Chemistry	UG, M.G. University, February 2016.
30.	Prof. Rajagopalan M.G.	Chemistry	PG, M.G. University, March 2016.

1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?

Yes, there is a formal mechanism in the college to obtain feedback from the students. Feedback is collected from the students through student-teacher interactions. Productive suggestions are taken care of to be incorporated in the curriculum. The feedback from the students is reported to the University through the Principal and staff during the University level meetings. Feedback is also communicated to the university through the bodies concerned.

1.4.3. How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes?

The following new programmes were introduced in the college in the post re-accreditation period:

- B.Com. Finance and Taxation - (aided)
- B.A. English - (self-financing)
- M.Sc. Physics - (self-financing)
- M.Sc. Chemistry - (self-financing)

The rationale behind the introduction of these courses is basically the desire for expansion of educational and research opportunities for the advantage of the students and the society. The high demand for these courses has been the criteria for the selection of the courses. The management, the Congregation of the Sisters of Nazareth (CSN), realizes the importance of educating young women and making them financially and intellectually independent. Introduction of these courses also has the intention of making students professionally competent to meet the demands of the times. These courses can help the human resources in the locality to be better equipped in education, life skills and research.

Any other relevant information regarding curricular aspects which the College would like to include.

Morning Star College looks forward to enriching the curriculum for better academic development and higher level of thinking among its students. The institution, always desirous of upward mobility, has applied for the courses – M.A. Economics (aided) and B.A. English (aided) and is awaiting sanction from the government.

CRITERION II: TEACHING – LEARNING AND EVALUATION

2.1 Student Enrollment and Profile

2.1.1 How does the college ensure publicity and transparency in the admission process?

The college website and prospectus provide all the essential details about the college to the public. The college is situated on a very conspicuous location on N H 47. The college has gained reputation through the half century of existence and publicity by way of word and mouth. The alumnae of the college recommend and testify the institution's worth to their acquaintances. As a result, the student enrollment of the college stands testimony to the fact that a number of students who seek admission here are closely related to our alumnae. The alumnae of yester years who wish their daughters to have value based higher education send them to this institution.

There was a dip in the intake of students in the institution during the previous NAAC accreditation period because of the then existing trend of everyone opting professional education. Like all the institutions of the sort, the admission to this institution was also affected. B.Sc. Family and Community Science (FCS) was the worst affected programme at the time. By initiating timely measures and increasing publicity, the institution could overcome the situation. One step taken in this direction was that a timely modification in the conduct of Grahadarshan, which used to be offered to undergraduate and postgraduate students of other colleges. In the modified pattern, Plus two students with Home Science as optional subject were selected as the target audience. As a result, there has been an increase in the admission to B.Sc. FCS. Similarly, the laboratories of Chemistry, Physics and Zoology of the College are given to higher secondary students of the Open School stream. Thus these students come to have an introduction to the college and later on they tend to seek admission here. The facilities of the college, including the auditorium and the chapel, are readily offered as venues for the programmes of Jesus Youth and other such activities whose members are mostly school and college students. This also helps as a means of direct introduction and publicity of the college.

Though the institution is located in a semi urban locality, majority of the girls who seek admission here are from rural areas around Angamaly and from comparatively underdeveloped regions of Kerala like Idukki and Lakshadweep. Hostel facility is provided to students from distant places.

2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) merit, (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution?

Admission to the various programmes here is monitored by the Admission Committee. Merit is the criterion for admission to the general seats. Application for admission– to both aided and self-financing programmes– is through the online CAP of the University since 2010. The admission process involves first, second and third allotments. Admission to the institution is made according to the norms and statutes of the University.

Table 2.1: Proportion of the Allotment of Seats

Programme	Category	Percentage
Aided	General Merit	50
	SC/ST	20
	Community	10
	Management	20
Self-financing	General merit	50
	Management	50

The students who seek admission in the institution are personally interviewed by the Principal/Admission Committee in the presence of their parents. Steps are taken to remedy issues, if any, like financial backwardness, social incompatibilities, learning disorders, physical disabilities etc., identified through this personal interaction.

2.1.3 Give the minimum and maximum percentages of marks for admission at entry level for each programme offered by the college and provide a comparison with the other colleges of the affiliating colleges within the city/district.

Table 2.2: Minimum and Maximum Percentages of Marks for Admission (UG)

Year	UG Programmes	Maximum %	Minimum %
2015-16	Physics	90	60
	Chemistry	94	60
	Zoology	86	64
	Family and Community Science	83	59
	Economics	87	52
	English	90	68
	Commerce	95	65

Table 2.3: Minimum and Maximum Percentages of Marks for Admission (PG)

Year	P G Programmes	Maximum	Minimum
2015-16	Physics	83	53
	Chemistry	81	58
	Zoology	83	65
	Community and Family Science	88	52

An analysis of the input details of the nearby colleges shows that the maximum marks at the entry point is comparable with the neighbouring institutions but the minimum is much lower. But the institution, always keen to serve the less privileged, strives its best to solve this disparity through sincere efforts and make these students reach their best. Thus, we are able to achieve an output that is at par with the neighbouring institutions.

2.1.4 Is there a mechanism in the institution to review the admission process and student profile annually? If 'yes' what is the outcome of such an effort and how is it contributed to the improvement of the process?

Yes. The Admission Committee reviews the process of admission and makes necessary changes every year. The admission process is evaluated in each department once the process is over and a comparison is done with the statistics of the previous years. The admission to general seats through CAP often causes delay in completing the admission process as this involves a number of allotments. But as the process is by a centralized system there is nothing much the institution can do to rectify this issue. The filling up of the remaining seats, those of the management and community quota do not pose any such problems. There has been an increase in the demand for seats from 2010 onwards compared to that of the previous years. The provision of marginal increase and readmission was utilized to contain the aspiring students at the undergraduate level.

Table 2.4: Number of students admitted during the past 4 years

	2012-13	2013-14	2014-15	2015-16
Undergraduate Programmes				
FCS	14	24	23	28
Zoology	23	23	25	24
Chemistry	28	27	30	30
Physics	30	30	25	23
Economics	34	37	39	44*
Commerce	-	-	40	40
English	-	-	-	10
Postgraduate Programmes				
FCS	8	10	6	14
Zoology	14	20	16	17
Chemistry	-	12	10	12
Physics	-	11	12	8

***Re-admission**

2.1.5 Reflecting on the strategies adopted to increase/ improve access for the following category of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/ reflect the National commitment to diversity and inclusion.

The institution functions on the policy of inclusion. There is no caste, community, economic discrimination existing in the campus. This is evident from the data in the table given below.

Table 2.5: Number of Students Admitted under Various Categories

Category	2012-13	2013-14	2014-15	2015-16
SC	32	38	50	61
ST	-	02	06	03
OBC	74	88	79	85
OEC	19	24	43	41
General	215	337	397	462
Differently Abled	3	-	-	-

SC/ST/ OBC: Students from reservation community (SC/ST, OBC) have their reservation quota which the management ensures, is duly filled.

Women: Being a women's college, women constitute the entire student community.

Differently abled: Students who are differently abled -like impaired in hearing, slow learners or physically disabled- who seek admission are admitted and are given all special considerations and conveniences.

Economically weaker section: Morning Star College is opted by a large number of girls from economically weak sections of the society because of the kind of support they receive and the self-esteem they enjoy while being part of the institution. There is no disparity between the haves and the have nots here. Uniform is mandatory and this brings equity to a great extent. Students are discouraged from wearing gold ornaments and using mobile phones in the campus. The dress code to be followed on Wednesdays when colour dress is allowed stresses on minimalism and dignity. Most of the students come from middle class or underprivileged families of nearby regions like Malayattoor, Kalady Plantation etc., from remote places in Kerala like Marayoor, Vattavada etc. and from Lakshadweep.

The missionary spirit, which is the mission of the management of the institution, being the driving force behind all the activities of the college, the institution strives its best to make sure that no student here shall drop out for want of sufficient financial backing. If it comes to the notice of the staff or the Principal that a student abstains from the class without a stated reason, the class in charge or the Principal visits her house and tries out remedies in consultation with her. Efforts are taken to make sure that the students are comfortable with the campus environment.

All possible **fee concessions** have been made available to the deserving students. Students who actually pay the fees are only a very small percentage. Every year about 80-85 % students of the aided courses avail fee concession. In the year 2015-16, 83% (440/530) students had fee concession.

Save-a-Star, a scheme to provide financial help to the needy students, has been going on since 1991 where the students and teachers put together their contribution to help out the needy students of the campus. The whole

process is done discretely to avoid any embarrassment at the receiving end. In addition to these, students identified with financial restraints are supported by the institution and well-wishers that are deliberately not accounted for the specific reason of respecting the dignity of those students.

Minority community: Morning Star College is a minority institution and there is 10% reservation for the Syrian Catholic community which the management of the college represents. Admission in the community quota is based on merit. The college has always opened its doors to students belonging to other minority communities who seek admission here and are admitted according to their merit or the quota set aside for them. The number of Muslim girls who seek higher education in the institution is an instance of this.

The institution untiringly promotes those girls in the Muslim community who, according to their custom, get married while studying here, to continue their studies and become at least bachelors in their respective subjects. Every possible procedural and practical support including re-admission is given to those girls who get conceived in the course of their studies and are desirous of continuing the studies.

Any other: Though admission in sports quota is almost nil in the college, the institution has been able to produce bachelors who are eligible for the same in other institutions for their postgraduate studies. The college has produced a number of winners at the university level in Yoga Championships and they have been able to secure admission for post-graduation in sports quota.

2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e., reasons for increase / decrease and actions initiated for improvement.

As the applications to various UG and PG Programmes are made online to the University under CAP since 2010-11, it is not practical to determine the demand ratio for the 50% merit and 20% reservation seats during this period. The college has been allowed by the University to make marginal increase of seats for all the courses in the previous years owing to the high demand for the courses. By reaching out to the public through various means, the college has ensured publicity and compensated for the dip in demand that occurred during the last decade.

Table 2.6: Trends in the Demand Ratio under Management Quota

Sl. No.	Programme	2012-13			2013-2014		
		Applications	Students Admitted	Demand Ratio	Applications	Students Admitted	Demand Ratio
1	B.Sc.Family and Community Science	8	5	2:1	11	5	2:1
2	B.Sc.Physics	10	6	2:1	18	6	3:1

3	B.Sc .Chemistry	15	6	3:1	20	6	3:1
4	B.Sc. Zoology	12	5	2:1	14	5	3:1
5	B.A. Economics	20	8	3:1	20	8	3:1
6	B.Com.	-	-	-	-	-	-
7	B.A. English (SF)	-	-	-	-	-	-
8	M.Sc. Community and Family Science	7	2	4:1	4	2	2:1
9	M.Sc. Physics (SF)	-	-	-	-	-	-
10	M.Sc. Chemistry (SF)	-	-	-	-	-	-
11	M.Sc. Zoology (SF)	25	10	3:1	22	10	2:1

Sl. No.	Programme	2014-15			2015-2016		
		Applications	Students Admitted	Demand Ratio	Applications	Students Admitted	Demand Ratio
1	B.Sc. Family and Community Science	32	6	5:1	28	6	5:1
2	B.Sc. Physics	28	6	8:1	24	6	4:1
3	B.Sc .Chemistry	33	6	6:1	30	6	5:1
4	B.Sc. Zoology	26	5	5:1	22	5	4:1
5	B.A. Economics	42	8	5:1	40	8	5:1
6	B.Com.	90	8	11:1	80	8	10:1
7	B.A. English (SF)	-	-	-	12	10	1:1
8	M.Sc. Community and Family Science	8	2	4:1	6	2	3:1
9	M.Sc. Physics (SF)	10	6	2:1	8	6	1:1
10	M.Sc. Chemistry (SF)	20	6	3:1	15	6	3:1
11	M.Sc. Zoology (SF)	16	10	2:1	14	10	1:1

2.2 CATERING TO STUDENT DIVERSITY

2.2.1 How does the institution cater to the needs of differently abled students and ensure adherence to government policies in this regard?

Our institution adheres to orders and policies of the Government in admitting and catering to the diverse needs of the students. Orders issued by the government and university from time to time according to the specific needs of these students are taken into account to make the differently abled students comfortable. For example, students with learning disability, hearing

impairments, speech problems are provided with facilities like scribes for writing examinations, extra time as per the government policies, interpreters, grace marks etc. while they appear for university examination.

Differently abled students who seek admission are not denied admission on the grounds of disability. Those admitted are given utmost care by the staff to make them comfortable. Their classmates are promoted to be of a caring attitude to these students. Those students who need counselling are sent for expert counselling in St. Jude Counselling Centre. A very few number of differently abled students have sought admission here in the previous years. There were three students during 2012-15 period. However, in the last two years none in this category sought admission here may be because such students often fail to get through mainstream schooling and reach the level of collegiate education.

2.2.2. Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.

In the present system of education poses limits on the possibility of assessing the needs of students before the commencement of the programme. Their proficiency in the qualifying examination and the information provided in application are the criteria for assessing their level of knowledge and skills at the time of admission. On the induction day, the Principal gives an orientation talk to the newly joined students and their parents. The orientation talk will be followed by a motivational class by an expert in the field. These classes serve the purpose of alleviating the fear and tension of the students joining a new programme. This also helps them to identify themselves better. Just after these classes, the class advisors take the charge of these students and interact with them to identify their levels of knowledge, their skills and ambitions.

Classes begin as soon as the admission process is over. The class advisors get a standardized bio data form filled in by each student in which will be specified the details of matters regarding their academic status, financial background, hobbies, difficulties faced etc. This bio-data and personal meeting with the students give the advisor an idea of the needs of the student. Talents Day, conducted by the college union, in one or two weeks after the commencement of the first year classes, gives the newly joined students an opportunity to showcase their talents and skills. Each class is given half an hour to display their organizational, artistic and literary skills.

Advanced and slow learners are identified by their performance in the qualifying examination and through personal interactions. Advanced learners are promoted to join clubs that will augment their skills and other programmes like Walk With a Scholar. The same applies to the case of normal and slow learners. As the studies progress, evaluation through test papers, seminars, assignments, oral questioning etc. help to assess the progress of the students.

The teachers discuss the performance of the students and the class advisors find time to have a discourse with their wards.

2.2.3. What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/Remedial/Add-on/Enrichment Courses, etc.) to enable them to cope with the programme of their choice?

Students who seek admission are enrolled based on their merit. The maximum marks at the time of admission is often comparable with that of the neighbouring institutions but minimum marks is happens to be lesser. The following strategies are adopted to enable the students to cope up with the program of their choice:

- As per the University statutes, even those who have not studied science at the higher secondary level can join B.Sc. Family and Community Science. Learning of Chemistry and Zoology as Complementary courses is made easy for such students by giving them basic coaching outside class hours. Similarly, students who have not learned Mathematics at the higher secondary level are given extra coaching in basic Mathematics.
- Those who lag behind in English language proficiency are given assistance inside and outside the classroom. Language Lab facility offers training in improving English, especially spoken English. The Add-on course in Communicative English is an effective step in this direction.
- Remedial coaching: Remedial coaching for the slow learners is given formally on all Tuesdays. This mechanism is systematically carried out with a fixed time table giving weightage to all subjects that need attention.
- Scholar Support Programme, a scheme of the Higher Education Department of Kerala Government, has been introduced in the institution to support the slow learners. Students can choose a subject of their preference for receiving special coaching. Fifty students are selected every year for this programme.
- The students are encouraged to approach teachers to clarify difficulties if any, academic or otherwise.
- The students are offered free learning spaces outside the classroom and the staff room to make them comfortable and free from inhibitions.
- Those students who could not score as they expected in the internal examinations are given re-test if they wish. This is permitted in spite of the fact that it places additional procedural and practical burden on the staff.
- The six month Government approved Diploma in Computer Applications (DCA) course has many takers from the students. It helps to improve their proficiency in ICT.
- Yoga and Aerobic Dance practice is given by the Department of Physical Education. This helps the students to keep themselves physically fit.
- Tutorial Sessions: Half an hour is set aside every Monday for the formal tutorial sessions. The class advisor interacts with the students during this

hour. The tutorial sessions are very helpful in identifying the needs and grievances of the students to a great extend.

- Guidance and Counselling: The faculty in charge of each class acts as an advisor who tries to identify the learning and personal needs of their wards. The students who are not focused in their studies and who need expert counselling are directed to St. Jude Counselling Centre, functioning in the campus, which is approved by the Government of India.

2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?

Gender awareness classes are arranged for the students to sensitize them about the various issues with regard to gender and the traps they may fall into, as girls, by the misuse of modern technology provisions like mobile phones, immature use of internet etc.

- There is an active Women's Cell-Sreyas- functioning in the college. Women's Day is celebrated every year. A series of programs like vocational training, street play competition related to gender issues, manuscript magazine highlighting social issues etc. were organized with the funding of Kerala State Women's Development Corporation (KSWDC). A self- defence training programme was organized for the first year students, in association with Kerala Women's Cell on Women's Day.
- Classes were arranged for the students on 'Gender Issues' by the Family Apostolate Counsellor of St. Jude Counselling Centre.
- Students organized a rally and road show in empathy with Nirbhaya, the hapless victim in Delhi rape incident.
- In 'Kudumbotsav-2015', an exhibition organized by the management of the institution in the college, a stall was dedicated to social issues in connection with gender issues. The exhibition was open to the public for three days and the initiative was widely appreciated.
- The Department of Home Science has taken health issues and alternate energy resources as its thrust areas and regularly organizes exhibitions like 'Spectrum' with focus on social issues.
- The Department of Chemistry organized a class by Sri. Bobby Kuriakose of Cyber Crime Cell for the students and their mothers on 'Cyber Crimes'.
- Three faculty members- Dr. Laisa Thomas, Dr. Beena George and Dr. Lizmitha Godwin - participated in Refresher Course in 'Women's Studies'
- Ms. Lisue Xavier, Associate Professor of Chemistry and two students attended an International Seminar on 'Gender Equality' organized by Gender Park and KSWDC at Kovalam in November 2015.

Though this is a minority institution, all categories of students, irrespective of caste, creed, financial and social background, are given equal opportunities in admission and all the activities in the college. The college office ensures that students are aware of all the fee concessions available and it has been possible to avail scholarship for about 80% students in the aided

courses. To ensure the dignity and equal status of the students enrolled here, the institution provides the following:

- A common Prayer Hall where students, irrespective of caste and religion, spent their time in prayer and introspection.
- Festivals of all religions like Onam, Ramzan, Christmas etc. are celebrated with one heart.
- Those students who come from alcohol afflicted families are given consolation and support by the teachers.
- Save-a-Star Programme is a unique initiative of our institution towards charity. It gives financial assistance in the form of uniform, noon meal, books, medical aid etc. to the needy students. The fund is raised with the help of students and teachers. The whole process is confidential so that the person at the receiving end is not embarrassed.
- Of the four PG programmes, three are self-financing. About 14 % of the students in these self-financing programmes receive fee concession.
- Teachers also give timely help to the needy students. Record of this help is not maintained as publicity is not wished for.

The following initiatives are taken to sensitise the students on the need to conserve nature:

- The college participates in the 'Suchitwa Bodhana Yajnam', which is a drive to make Kerala clean in a time of 15 years, by 'Mithradham' in association with the Department of Zoology.
- Society for Conservation of Animal World and Environmental Protection (SCAWEP) under the Department of Zoology is an environment friendly programme. Members are selected from different streams and various programmes are organized to make them aware of Environmental Protection and Sustenance.
- Neeharam Nature Club, under the Department of Zoology, has members from different streams and they organize field trips and nature camps to inculcate the sense of love for nature and the necessity to protect it.
- The Department of Botany has a Botanical Garden in the campus, which is grown and maintained with the participation of the students and funded by Kerala Medicinal Plant Board.
- The six vermicomposting units in the college, out of which two are in the Department of Zoology make use of the bio-waste and convert into organic manure. The venture keeps the campus clean and the product fetches revenue for the college.
- There are a number of environment friendly activities carried out by the National Service Scheme (NSS) of the college. The NSS organizes awareness programmes in connection with the Prime Minister's 'Swatch Bharath Mission'. Awareness talks on health and hygiene, cleaning activities etc. are carried out during the minicamps and special camps. The

impact of these programmes goes beyond the campus. The NSS volunteers, as well as the local people in the areas where the programmes are conducted, are made aware of the environment friendly missions. The NSS has adopted two villages and educates them about environmental and hygiene issues.

- Days related to environment like World Environment Day, Ozone Day, Hiroshima Day, World Wetland Day, World Ocean Day etc. are observed by various departments and the college receives funding for most of these programmes from Government agencies like Kerala State Council for Science, Technology and Environment (KSCSTE).
- Ours is an eco-friendly campus with beautiful greenery around. The use of plastic is minimum. All the classrooms are provided with waste bins and the students make use of them and keep their classrooms clean.

2.2.5 How does the institution identify and respond to special educational/learning needs of advanced learners?

- The advanced learners are identified at the time of admission by their performance in the qualifying examination. Their better performance is assured through continuous internal evaluation. The teachers discuss the performance of the students with the class advisors. They find time to have regular discourse with their students.
- Peer learning method has been found very useful both for the advanced learners and the slow learners. Here, the bright students are encouraged to help the slow learners. This helps the advanced learners in cementing their subject knowledge and building up confidence.
- The advanced learners are encouraged to attend seminars and workshops offered by academic and other bodies and present papers there. They are given ample opportunities to participate in competitions like quiz, essay writing, elocution, power point presentations etc. both at the collegiate and at the intercollegiate levels. As a result, a number of students have won prizes at various competitions held at the intercollegiate level.
- The advanced learners are guided by the concerned teachers to do extra reading and follow up activities. The Library provides reference books, e-books and journals for their advantage. A Book Bank is arranged specially for them, from which books can be taken and kept for longer terms. Each department has a good store of books on their respective fields. The advanced learners are promoted to use these well.
- Scholarships and prizes are instituted to encourage bright students for better performance. Those who perform well in University examinations are felicitated in common meetings.
- The Departments of Zoology, Physics and Chemistry offer NET coaching for postgraduate students.
- Walk With a Scholar Programme, introduced in 2015 with the support of the Higher Education Department of the Government of Kerala, is an intensive training for the overall development of brilliant students through

personal mentoring. Thirty students who excel in academics are selected from the college every year for this programme.

- Invited lectures by eminent personalities on topics of current relevance are organized for the student community both as part of Morning Star Lecture Series and on various other occasions.

2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?

Every class has a class advisor. The advisor has a record of the bio-data of students recorded on printed bio-data form which gives the necessary information including their requirements, strengths and weaknesses. The class advisors find time to talk personally with the students entrusted to them.

The academic performance is assessed based on the assessment tests, seminars, assignments and overall performance. Once the answer scripts are valued and handed over after the internal assessment tests, progress report card is prepared. The class advisors prepare the progress card and the parents are required to sign it in person. Parents oblige to this request and they are eager to discuss the performance of their ward.

Dropout is not so much of an issue here. Socially disadvantaged or physically challenged students seldom discontinue their studies due to these reasons. Being a women's college and the girls being of marriageable age, the incidence of dropout is mainly due to girls getting married away. The institution tries to sensitize the students about the importance of education in life and to provide them with all support to continue their studies. The students who discontinue the course in between due to genuine reasons are given every support to get readmitted later and complete the course.

2.3 Teaching – Learning Process

2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules? (Academic Calendar, Teaching Plan, Evaluation Blue Print, etc.)

Being an affiliated college of Mahatma Gandhi University, the institution follows the rules and regulations put forward by the University.

- There is an academic calendar formulated by the University and classes are conducted according to it. The college has a handbook and calendar which is updated every year by the Calendar Committee. The rules and regulations and all the necessary information about the institution and the university rules are included in the calendar.
- **Teaching Plan:** On the very first day of reopening after summer vacation, an elaborate staff meeting is convened, in which duties are assigned and

academic plans for the year are charted. Regular staff meetings are occasions where academic issues like internal examinations, evaluation, progress report card, parents' meeting etc. are discussed. At the start of each semester, department staff meetings are held and semester plan is discussed. Necessary changes in the department time-table are made to suit the change in class advisorship. Regular meetings are held in the departments to analyze the progress of the completion of syllabus. Separate time schedules are fixed for other academic and co-curricular activities.

- **Evaluation Blue Print:** Evaluation of learning is mainly based on internal assessment examinations, class tests, seminar presentations, assignments, attendance and the overall performance of the student in the class room and lab. Internal examination dates are announced one to two weeks in advance, evaluation is done time bound and answer scripts are handed over at the stipulated time. From 2013, as per the university direction, only one internal assessment examination is required per semester as against the earlier system of two internal assessment tests per semester. Individual teachers give class tests as and when required. Report cards are prepared and class advisors meet the parents of the students with the report card and discuss the strengths and weaknesses of their wards. The students are made to realize their flaws and come up with corrective suggestions themselves. Retests are given if necessary. Internal assessment evaluation sheets are exhibited on the notice board for the perusal of the students. Class tests are conducted giving prior notice to the students to ensure that they are well prepared for the same.

2.3.2 How does IQAC contribute to improve the teaching -learning process?

The IQAC plays a significant role in maintaining the quality of the teaching -learning process. The faculty are encouraged to present papers and attend seminars. The IQAC takes initiative to organize enrichment programmes for the staff and makes suggestions to the College Governing Body with regard to infrastructure improvement, staff welfare programmes, applying for new courses etc. The IQAC serves as a planning and implementing body for the teaching -learning process. It monitors the progress of implementation of the academic activities of the departments from time to time. The following are some of the noteworthy initiatives taken by the IQAC.

- Conducted Academic Audit
- Orientation programmes for teaching and non-teaching staff.
- Induction programme for the newly appointed faculty.
- Coordinates the mentoring activities of the college.
- Encourages the clubs to organize awareness programmes.
- Encourages departments to conduct UGC sponsored seminars.
- Conducted SWOC analysis of the college.

2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

Lecture method coupled with techno-pedagogy is adopted for effective implementation of the curriculum. Care is taken to make teaching- learning process experimental, demonstrative and interactive. The institution realizes each student as having the prime importance in this process. Yet, the teacher-student proportion, especially in combination classes, may hinder the attention of students. The institution has found some effective ways to remedy this situation and to make teaching-learning more student-centric.

After the previous NAAC re-accreditation, the institution has made leaping advances in technology to facilitate teaching – learning process. All the departments are provided with computers, laptops, projectors and digital cameras which the staff and students are free to use for lectures, seminars, projects etc.

- Smart Boards set in the Seminar Hall and Audio-Visual Room are utilized for presentations and film shows.
- The students are encouraged to utilize the modern technological facilities available in the library and computer lab. Students make their seminar presentations in power point. They are encouraged to submit their assignments via email.
- The students are promoted to attend seminars and conferences organized by other institutions and also to participate in inter-collegiate competitions in Power Point Presentations, paper presentations, essay writing, cooking, flower arrangement, poster, quiz etc.
- Arrangements have been made for the students to utilize the facilities of other institutions like CUSAT, St. Xavier's College Aluva, U.C. College Aluva, Nirmala College Muvattupuzha, General Hospital Ernakulam, Little Flower Hospital, CMFRI, KAU etc. for their project works.
- Direct tangible experiences like field trips, educational tours and industry visits are provided for students to help them for a better assimilation of the information they learn from books. PDDP, Milma, SahrudayaSilks, shopping malls etc. are some such destinations.
- The activities offered under NSS, Youth Red Cross, Women's Cell, AICUF etc. provide the necessary platform to chisel and polish the acquired skills and competitiveness of students.
- The students are encouraged and assisted to search the internet and find topics and relevant data for their project, dissertations, assignments etc. thus helping them to improve their knowledge level and skills.
- The teachers are given awareness classes every year to awaken their understanding of what a 'guru' must be to their students.
- Ninety percent of the teachers are self-trained in the use of computers and modern technology. The campus is Wi-Fi enabled and teachers use this

facility for making the teaching process more effective. Broad band facility is also available.

- The management has provided up-to date facilities for UG and PG labs that it is very convenient for teachers to relate the subject matter to the students clearly.
- The students are promoted to prepare and publish manuscript magazines, newspapers, posters on significant issues etc.
- Different competitions to promote the artistic, literary and knowledge skills of students are conducted every year by the institution in general and by individual departments.
- The students are encouraged to prepare for and arrange exhibitions on topics related to curricular topics and current events.

The world is ever progressing towards rapid advancements in this techno-savvy era. But one still cannot deny the role of a dedicated teacher as a friend and guide. The class advisors identify excellent, medium and slow learners from their performance in the academic and other related activities. Teachers make use of provisions like SSP and WWS to provide the best learning experience in the most student centric way. Remedial Coaching and Tutorial Sessions are done systematically, which help the learning process to be more student-friendly. Records of the same are maintained by the respective coordinators. Peer group learning, seminars, exhibitions, street plays, demonstrations, field visits etc. enhance independent learning among students.

2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

- The students are given opportunity to assist the Principal Investigators in Research projects.
- Project works, which are part of the requirement for the UG and PG programmes, help to instill critical thinking and scientific aptitude among students.
- All the departments arrange invited talks by eminent scientists and speakers providing motivation to the students.
- The students are encouraged to present papers in seminars organized by other institutions and agencies. Class level seminar presentations are evaluated and the best presentations are acknowledged.
- Career guidance classes and personality development classes help the students to develop an urge to improve their skills and learning. These classes are organized by various associations and bodies functioning in the campus.
- The students were given an opportunity to exhibit their creativity and organizational skills by taking part in the exhibition Kudumbotsav – 2015.

- The activities of the clubs functioning under various departments, arts and literary competitions, quiz competitions, national seminars etc. are platforms to display the skills and knowledge they have acquired.
- The annual Arts Festival is a platform where the creativity of the students takes form. For competitions like skit, most of the times the plot is scripted by the students themselves. The students of the college have performed a number of street plays at different locations in and around Angamaly on social issues that have become very pertinent today. The teachers help and support them in these endeavours.
- The students are encouraged and necessary guidance is given to appear for competitive examinations. They are promoted for higher studies by giving orientation and guidance. NET coaching is offered for the postgraduate students of Zoology, Physics and Chemistry.
- Important days are observed suitably with competitions in poster presentation, collage, essay writing, debate, quiz etc. to instil in the students the need to read and learn beyond their curriculum.
- The college sees to it that the best project reports of students are published in journals. The Departments of Zoology and Home Science take special care in this regard.
- The teachers themselves are the examples for the students to be lifelong learners. The teachers of the college never stop with the minimum qualification required for the job. A number of teachers have acquired additional post graduate degrees (MA, MBA, M.Phil.), Doctoral degree, diplomas etc. while in service. Teachers regularly attend and present papers in National and International Seminars.

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education etc.

- Seminar Hall and Audio-Visual Theatre with Smart Boards.
- Computer Lab with internet facility.
- Language Lab with interactive language learning software.
- Computers in all departments.
- Internet accessibility through wi-fi and broad band connections.
- Laptops, LCD projectors and digital cameras.
- Digital Library with e-learning resources like e-books and e-journals.
- Membership in N-LIST consortium of INFLIBNET.

The students are encouraged to utilize the modern technological facilities available in the Library and Computer Lab. The students make their seminar presentations using power point. They are encouraged to submit their assignments via email.

2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.) ?

- The departments in the college organize international/ national/state level seminars and lectures inviting expert personalities in the appropriate fields to enrich the faculty and the students in the acquisition of knowledge and skills.

Table 2.7: UGC Sponsored Seminars and Conferences organized by the Departments.

Seminar	Number
National Level	12
State Level	04

Table: 2.8: Seminars, Lectures and Conferences organized by the Departments.

Seminar	Number
International Level	03
Institution Level	36

- The faculty and the students find exposure to advanced topics of knowledge by participating in seminars and workshops conducted by other institutions.

Table 2.9: List of Faculty Participation in Workshops/Seminars/Conferences

Seminar	Number of Papers Presented	Number of Seminars Participated
International	07	19
National	41	178
State Level	05	103

- To enhance teaching quality and to acquire advanced knowledge, the faculty is encouraged to do higher studies, attend refresher and orientation courses etc.
- Academic project is mandatory for all PG and UG programmes under the guidance of teachers. This will help the students to develop critical thinking and research aptitude.
- The students attend national seminars and workshops organized in their respective areas by other institutions and agencies and present papers there.

- Industry visits and field trips give firsthand information of what is learnt from book.
- There was a month-long On-the-Job Training for the students of B.Sc. Chemistry with TCC till 2013.
- PG students of the Department of Home Science undergo ten days internship programme.
- Faculty attends seminars, workshops and refresher courses, present papers, take up UGC funded research projects. Four of the faculty members have registered for Ph. D. and are doing part-time research.
- The college started Walk with a Scholar programme, an initiative of the Higher Education Department in 2015. The mentees receive training by internal as well as external mentors.

Table 2.10: Invited Lectures for the Mentees of WWS Programme

	Name	Designation	Date
1	Mrs. Jyotsna Sobti	ELT Trainer	21-01-2016
2	Dr. Jose Antony	HOD, Department of Social Work, Sanskrit University, Kalady	10-03-2016
3	Sr. Dr. Tresa CSST	Former Principal, St. Teresa's College, Ernakulam and NAAC Peer Team Member	15-03-2016
4	Renitha Shabu	Award winning Entrepreneur	19-03-2016
5	Sabu James	Cinematographer & Director	19-03-2016
6	Sr. Dr. Harshitha CSN	Medical Officer, St. Johns Hospital Bangalore	22-03-2016
7	Sr. Dr. Preetha CSN	Director, Jeevana Psycho Spiritual Center, Aluva	29-03-2016
8	Saisha Patriman	Clinical Development Psychologist, Holland	30-03-2016

- The college has been conducting Morning Star Lecture Series since 2014 by inviting expert personalities from different fields.

Table 2.11: Lectures under Morning Star Lecture Series

Sl. No	Department	Topic of Lecture and Resource Person	Date
1.	Chemistry	Plastic – A Bane or Boon Dr. Sunil K. N. Kutty, Department of PSRT, CUSAT	11-08-2014
2.	Economics	Tips for Success in Competitive Exam	25 -08-2014

		Mr. Arun Mohan, Rank Holder, Civil Service Exam.	
3.	Zoology	Bhopal Gas Tragedy Sri. N. D. Jayaprakash, Joint Secretary of Science forum, Delhi and Joint Convener of Bhopal Gas Peedit Sangharsh Sahyog Samithi	27-10-2014
4.	Physics	Expanding Universe Dr. N. Shaji , Associate Professor, Maharajas College, Ernakulam	05-01-2015
5.	Zoology	Stem Cell Therapy Dr. Rosilin Alex, Associate Professor, Department of Botany, St. Joseph's College, Irinjalakuda.	31-07-2015
6.	Commerce	Innovations in Banking and Financial Services Dr. Sibila Pius, Former HOD of Commerce, St. Xavier's College, Aluva.	13-08-2015
7.	Chemistry	30 Years of Healing Ozone Together Dr. V. Sivanandan Achari, Assistant Professor, School of Environmental Studies, CUSAT	15-09-2015
8.	Physics	Energy Conservation and Climate Change Prof.P.Raveendran, Retired Principal, Maharajas College, Ernakulam	11-12-2015
9.	Economics	Consumer Protection Rights Prince Thekkan, State President of Consumer Protection Forum	21-01-2016
10.	Commerce	Dynamic Linkage Between Emerging and Developed Stock Market Mr. Arun PD, HDFC Lifes Security, Thrissur	09-02-2016
11.	Home Science	Tips for Successful Marriage Life Dr. Lali Jacob, L.F. Hospital, Angamaly	10-02-2016
12.	English	De-Canonizing English Literature Dr. Sonia James, Assistant Professor, Department of English, St. Peter's College, Kolencherry	02-04-2016
13.	Chemistry	Quantum Mechanics Prof. C.G. Ramankutty, former Head, Department of Chemistry, U.C. College.	04-08-2016
14	Economics	Commercial Policy and its Impact on	19-08- 2016

		Indian Economy Dr. Tomy Varghese, Principal and Dean, Bharata Matha College of Arts and Science, Choondy, Aluva.	
15.	Home Science	Nutrition in the Present Scenario Dr. Leena Leon, Asst. Professor, Department of Home Science	01-09-2016
16.	Commerce	Financial Literacy and Indian Financial System Dr. Suresh Kumar, Head, Department of Commerce, Maharaja's College, Ernakulam.	05-09-2016
17.	Physics	Energy Conservation Lalu Jose, Assistant Engineer, KSEB, Angamaly.	08-11-2016

2.3.7 Detail (process and the number of students/benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advice) provided to students?

- The class advisors do a preliminary counselling to the needy students. There is a professional Counselling Centre (St. Jude Counselling Centre under Kerala State Welfare Board) functioning in the campus. If expert counselling is required, St. Jude Counselling Centre helps out.
- Tutorial sessions are arranged on all Mondays for half an hour. The class advisor interacts with the students during this hour.
- Value education classes under Incitement Programme, sponsored by the PTA, are arranged on every Wednesdays. Internal and external speakers are invited for these classes.
- Remedial classes are also conducted regularly on all Tuesdays. Slow learners are given special training under Student Support Programme.
- The Career Guidance and Placement Cell conducts seminars and lectures.
- A Grievance Redressal Cell is functioning in the college to solve the problems if any, faced by the students.
- The students in the college union also play a major role in bringing the issues faced by the student community.
- A day in the college begins with the college anthem and prayer followed by 'Thought for the Day'.
- Morning Star Lecture Series provides lectures on various topics to enrich the knowledge levels of the staff and the students.
- Walk with a Scholar programme is conducted for the advanced learners.
- NSS, AICUF, Women's Cell, Youth Red Cross etc. enable the students to become socially responsible and committed individuals.

2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

In spite of all the advancement in technology, personal interaction between students and teachers has a great role in imparting knowledge and bringing about the holistic development of the students. Though teaching has become increasingly technology aided, the personal element in teaching-learning process is never to be ignored. The students who are now doing higher education belong to the generation who have undergone activity oriented curriculum at the school level. Here in our institution, we realize this and provide students with enough opportunities to have active roles in teaching- learning process. While lecture method is still followed, care is taken to make the process participatory and to invite contributions from the students.

Almost all the teachers are computer literate and use computers and LCD projectors in teaching learning process. The students are also encouraged to make use of the facilities provided by the institution. They are supposed to present their seminars supported by power point presentations. All the departments are provided with LCD projectors, digital cameras, computers and internet facility and the teachers encourage the students also to utilize these facilities. There is a Computer Centre with internet, printing and photostat facilities in the campus. The students can make use of these facilities and the help of the instructor. All these have proved to be sources of empowerment for the students.

2.3.9 How are library resources used to augment the teaching- learning process?

The Central Library has a good stock of books on all the subjects of study offered here. The procedures in the library are completely computerized. The students are given an orientation on the systems of the library at the start of the year. Every year, new books are purchased as per demand and fund allocations. The librarian takes care to get a list of books required from the departments before the purchase. There are 15900 books. The Library subscribes to 55 journals, and e-journals. The Book Bank facility offered in the library is particularly useful to the slow and advanced learners in that they can keep the books for extended periods of time. A good reference section is maintained and is open to the staff and students.

The Library is a member of the N-LIST consortium of the INFLIBNET. More than 80000 books and journals are made available through this facility. The institutional repository and a number of e-books are available in digital form in the e-learning lab. Students make good use of the library.

All the departments have separate departmental libraries, with a good collection of text books, reference books and journals. The department libraries get books mainly through donations from students or teachers and as complementary copies of text books. Books purchased under minor research project funding are also added to the department libraries. A register is maintained in each department for recording the use of library books.

Table 2.12: Number of Books in the Department Libraries

Department	Number of Books
Home Science	605
Zoology	541
Chemistry	238
Physics	265
Economics	710
English	400
Commerce	85

2.1.1. Does the institution face any challenge in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.

The change from annual system to semester system has increased the number of examinations to be conducted, consequently increasing the evaluation work load. The university sometimes gives direction to suspend classes for days together so that teachers shall be available for centralized valuation. This causes a decrease in the number of working days.

Though our staff and students do not get involved in any strikes, strikes called by others, sometimes hinder the classes. Security reasons make it difficult for students to commute and to attend classes during such strikes. Hartals, bus strikes and change of exam schedule do disturb the smooth functioning of classes. But the loss of classes is compensated almost fully by taking extra classes during holidays and Saturdays or outside the regular class timings. During prolonged bus strikes, instead of suspending classes, slight changes are brought about in the regular timings and the college functions normally. Thus, maximum care is taken to make sure that the valuable time of the staff and students are not lost.

2.3.11 How does the institute monitor and evaluate the quality of teaching learning?

The IQAC monitors and evaluate the quality of teaching-learning. It is ensured that the planning done at the start of each year is implemented through informal feedback system. The progress of the implementation of the academic calendar and action plan is checked by the IQAC.

The outcome of the internal evaluation tests of the students held once in each semester (earlier twice), performance in seminars, assignments etc. give an idea of the effectiveness of teaching and the level of learning. In departmental staff meetings, the outcome of the evaluation is analyzed. Those teachers who need improvement are given suggestions for improvement and the students who lag behind are given special attention. Extra coaching is given outside class hours. Best performers are encouraged to do better.

There is an effective mechanism running in the college where students can evaluate their teachers formally by way of marking their opinions on a printed questionnaire. The evaluation sheets are analyzed first by the Principal and then by the concerned teachers. If the Principal finds that a teacher scores very less in certain requirements, she is called in person and is given necessary corrections. The teachers strive to live up to the requirements of their profession and of their students. The self-appraisal by teachers, done annually, is a chance for rethinking and self-evaluation.

2.4 Teacher Quality

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum.

The faculty members are selected in strict adherence to the UGC norms and M.G.University regulations and statutes. Though the college is a minority institution, community is never the sole consideration in the appointment of the faculty which is evident from the profile of the faculty working here. Academic qualifications and proficiency are given priority. The faculty who are recruited on a permanent basis tend to stay on with the institution. However, Guest Lecturers who are appointed on an ad hoc basis go for better options. Due weightage is given to candidates who have Ph.D. or M.Phil.

Table 2.13: Teacher Qualification (2015-2016)

	Permanent Teachers		Temporary Teachers	Total
	Associate Professor	Assistant Professor	Assistant Professor on Contract	
Ph.D.	1	10	1	12
M.Phil.	1	3	3	7
P.G.	2	6	21	28
Teachers with M. Phil. and Ph.D. : 10				
Total Number of Permanent Teachers : 23				
Total Number of Temporary Teachers : 25				

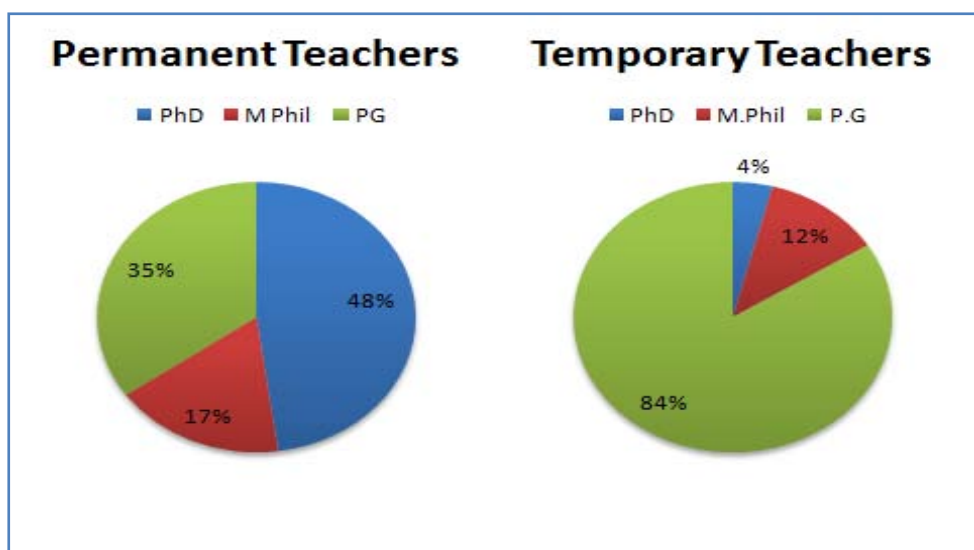


Table 2.14: List of Permanent Teachers with Qualification

Sl. No	Name of the Faculty	Designation	Department	Qualification
1.	Dr.Lizmitha Godwin	Assistant Professor	Home Science	M.Sc., MPhil, PhD, PGDPR, PGDND NET & SET
2.	MeghaThampy	Assistant Professor	Home Science	M.Sc., MBA, NET
3.	Sr. Dr.Shemi George	Assistant Professor	Home Science	M.Sc., M.Phil, PhD, NET
4.	Rajani Devi T.R.	Assistant Professor	Home Science	M.Sc., M.Phil., NET
5.	Sajitha Suseelan	Assistant Professor	Home Science	M.Sc., M.Ed, NET
6.	Sherin Abraham	Assistant Professor	Home Science	M.Sc. PGDFD, NET
7.	Sr.Dr. Alphonsa M.K.	Associate Professor (Principal)	Zoology	M.Sc., M.Phil, Ph.D.
8.	Usha K. R.	Associate Professor	Zoology	M. Sc., M.Phil
9.	K. Leena Joseph	Assistant Professor	Zoology	M.Sc., B.Ed., NET
10.	Dr. Teji K. T.	Assistant Professor	Zoology	M.Sc., M.Phil., Ph.D.

11.	Dr.Laisa Thomas	Assistant Professor	Economics	M.A.,B.Ed., MBA, M.Phil.,Ph.D, NET
12.	Dr.Resmi G.	Assistant Professor	Economics	M.A.,B.Ed., Ph.D., NET, SET
13.	Rinu K. Louis	Assistant Professor	History	M.A., M.Phil., NET
14.	Sophia James	Assistant Professor	English	M.A., B.Ed., NET
15.	Shyny K. Ittiachan	Assistant Professor	Physics	M.Sc., M.Phil., B.Ed.
16.	Neenu Mary Thomas	Assistant Professor	Physics	M.Sc., NET
17.	Sr.Dr.Rosily A. V.	Assistant Professor	Chemistry	M.Sc., B.Ed., M.Phil.,Ph.D.
18.	Dr.Beena George	Assistant Professor	Mathematics	M.Sc. , B.Ed, M.Phil, Ph.D.
19.	Sr. Dr.Gisha Joseph	Assistant Professor	Hindi	M.A., M.Phil., Ph.D.
20.	Sr. Dr.Jessy K.P.	Assistant Professor	Malayalam	M.A., M.Phil., Ph.D.
21.	Reena Varghese	Associate Professor	Botany	M.Sc.
22.	Sr. Dr.Philo T.J.	Assistant Professor	Botany	M.Sc , B.Ed.,Ph.D.
23.	Pauline Joseph K.	Associate Professor	Physical Education	MPed., PGDY

Table 2.15: List of Temporary and Part-time faculty

Sl . N	Name of the Faculty	Designation	Department	Qualifications
1.	Sr. Dr.Ciji P.P.	Assistant Professor on Contract	Zoology	M.Sc., M.Phil., Ph.D.
2.	Jerry Thomas	Assistant Professor on Contract	Zoology	M. Sc., B.Ed.
3.	Riji Joseph	Assistant Professor on Contract	Zoology	M.Sc., B.Ed.

4.	Sr. Marymol Joe	Assistant Professor on Contract	Zoology	M.Sc.
5.	Soumya Kachappilly	Assistant Professor on Contract	Sociology	M.A., B.Ed.
6.	Rincy Paul	Assistant Professor on Contract	Economics	M.A.
7.	Prof.A.Varadarajan	Assistant Professor on Contract	Physics	M.Sc.
8.	Bittu Eldho	Assistant Professor on Contract	Physics	M.Sc.
9.	Neethu P.Raju	Assistant Professor on Contract	Physics	M.Sc., M.Phil.
10	Nisha Davis	Assistant Professor on Contract	Physics	M.Sc., B.Ed
11	Sneha K. Jacob	Assistant Professor on Contract	Physics	M.Sc., B.Ed.
12	Femeetta Mary	Assistant Professor on Contract	Chemistry	M.Sc.
13	Gismy Augustine	Assistant Professor on Contract	Chemistry	M.Sc., B.Ed
14	Jaisy Alias	Assistant Professor on Contract	Chemistry	M.Sc., B.Ed
15	Prof. Rajagopalan	Assistant Professor on Contract	Chemistry	M.Sc., M.Phil.
16	Vineetha Narayanan	Assistant Professor on Contract	Chemistry	M.Sc., B.Ed., SET
17	Remya R.	Assistant Professor on Contract	Chemistry	M.Sc.
18	Sony Antony	Assistant Professor on Contract	Chemistry	M.Sc.
19	Sabitha N.	Assistant Professor on Contract	English	M.A.,B.Ed.,NET
20	Arya M.P.	Assistant Professor on Contract	English	M.A., M.Phil.,NET
21	Meenu Maria Alexander	Assistant Professor on Contract	English	M.A., B.Ed.,NET
22	Jwalini K.S.	Assistant Professor on Contract	Commerce	M.Com.,B.Ed., NET
23	Soumya Alias	Assistant Professor on Contract	Commerce	M.Com.,B.Ed.

24	Dhanya C.X.	Assistant Professor on Contract	Commerce	M.Com.,B.Ed.
25	Soumya Varma	Assistant Professor on Contract	Commerce	M.Com.

2.4.2 How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes/ modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.

The institution is keen on the faculty updating knowledge in their respective areas and encourages them to attend Seminars, Workshops and Refresher courses. They are also encouraged to do research. A guest faculty is appointed in the Computer Lab to assist the students.

Two guest faculty have been appointed during the last three years for M.Sc. Zoology. The new topics like Biotechnology and Bioinformatics are part of the syllabus for the Zoology PG course and the newly appointed faculty Sr. Mary Joe, M.Sc. Biotechnology with GATE handles the topics in these areas. Two faculty of Zoology department attended Microbiology Training Programme (A Training Programme on Microbiological Analysis at St Xavier's College, Aluva).

The institution gives a free hand to the departments to carry out programmes to teach new programmes.

- Department of Home Science organizes visits for students in the following institutions like food industries, microbiology labs, textile processing units and preschools, shopping malls to get to know the latest trends and a practical view point. Students are given exposure to conduct dietary counselling to outsiders using modern equipments.
- The Department of Zoology organizes visits to Kerala University of Veterinary Sciences, Mannuthy, Kerala Agricultural University, Vellanikkara, Fisheries Research Station, KUFOS, KAPL, Athani, Department of Biotechnology, U.C. College, Aluva etc.
- The Department of Chemistry organizes dairy visits for the students who have opted Dairy Science as their open course.
- Different departments organize International, National, State level and other seminars and workshops of relevant emerging topics.
- The departments organize lectures by inviting eminent personalities.
- Eminent retired faculty from prestigious institutions are appointed as faculty and visiting faculty:
 - Prof. M. G. Rajagopal–Associate Professor of Chemistry (Rtd.), Maharajas College, Ernakulam serves as visiting faculty for the M.Sc. Chemistry programme.

- Prof. A. Varadarajan– Associate Professor of Physics (Rtd.), Sacred Heart College, Thevara serves as a visiting faculty for the M.Sc. Physics programme.
- Ms. Jyotsna Sobti, formerly Principal of CBSE Schools and GRE/GMAT trainer is the faculty for Communicative English.
- The institution has taken care to appoint qualified and experienced senior hands to the faculty positions that were filled recently.

The Outcome

- All these cumulated efforts result in the fact that there is no scarcity of competent faculty in the institution to deal with emerging new topics introduced in the syllabi.
- Four of the faculty members are doing part-time research.
- All the teachers are ICT enabled.
- During the post NAAC re-accreditation period, International and National Level seminars have been organized. The faculty members attended International, national and other seminars, presented papers in national seminars and published articles. The IQAC organized eight faculty enrichment programmes.
- The faculty members have progressed professionally and personally and have been awarded higher degrees and positions like thesis evaluators and research guides.
- The stakeholders, the students and their parents are happy with the present situation.
- Nanoscience is an emerging branch of science. One faculty of Physics attended Familiarization Workshop in Nanofabrication Technology of Indian Nanoelectronics Users Program in IISc Bangalore. She is also doing research in Nanophysics.
- Two of the faculty members have attended Refresher Course in Nanotechnology organized by Academic Staff College, University of Kerala.

2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

The teachers are informed about the various quality development programmes conducted by different agencies. The selection criterion is based on the seniority of the applicants, UGC norms and on the number of teaching faculty present in the college.

Table 2.16: Details of Orientation/Refresher Courses attended by Faculty

Sl. No	Name of Faculty	Department	Orientation / Refresher	Organising Institution	Date
1.	Sr.Dr.Rosily A. V.	Chemistry	Orientation Course	Calicut University	6-1-2010/ 2-2-2010
2.	Sr. Dr. Philo T. J.	Botany	Orientation Course	Calicut University	6-1-2010/ 2-2-2010
3.	Shyny K. Ittiachan	Physics	Orientation Course	Calicut University	6-1-2010/ 2-2-2010
4.	Shyny K. Ittiachan	Physics	Refresher Course	Kerala University	3-7-2010/ 23-7-2010
5.	Dr. Laisa Thomas	Economics	Refresher Course	Calicut University	14-9-2010/ 4-10-2010
6.	Sr.Dr.Rosily A. V.	Chemistry	Orientation Course	Ministry of Youth Affairs and Sports	1-8-2011/ 6-8-2011
7.	Dr.Lizmitha Godwin	Home Science	Orientation Course	Kerala University	11-10-2011/ 7-11-2011
8.	Dr. Beena George	Mathematics	Orientation Course	Calicut University	27-1-2012/ 23-2-2012
9.	Megha Thampy	Home Science	Orientation Course	Kerala University	3-10-2013/ 30-10-2013
10.	Shyny K. Ittiachan	Physics	Refresher Course	Kerala University	22-10-2013/ 11-11-2013
11.	Sr.Dr.Rosily A. V.	Chemistry	Refresher Course	Kerala University	22-10-13/ 11-11-2013
12.	Dr. Laisa Thomas	Economics	Refresher Course	Kerala University	5-11-2013/ 25-11-2013
13.	K.Leena Joseph	Zoology	Refresher Course	Calicut University	22.11.2013/ 12.12.2013
14.	Sr.Dr.Shemi George	Home Science	Orientation Course	Kerala University	30-01-2014/ 26-02-2014
15.	K. Leena	Zoology	Orientation	Rajagiri	21-08-2014/

	Joseph		Course	College of Social Sciences	27-08-2014
16.	Dr. Beena George	Mathematics	Refresher course	Kerala University	19-9-2014/ 7-10-2014
17.	Dr.Lizmitha Godwin	Home Science	Refresher Course	Kerala University	7-10-2014/ 27-10-2014
18.	K. Leena Joseph	Zoology	Orientation Course	Calicut University	23-10-2014/ 20-11-2014
19.	Dr. Beena George	Mathematics	Refresher course	Kerala University	1-10-2015/ 21-10-2015
20.	Sr.Dr.Rosily A. V.	Chemistry	Refresher Course	Kannur University	11-11-2015/ 1-12-2015
21.	Sr.Dr.Shemi George	Home Science	Refresher Course	Kerala University	30-01-2014/ 26-02-2014

TABLE 2.17: Papers Presented by Faculty in Workshops/Seminars/Conferences

DEPARTMENT OF HOME SCIENCE	
1	Dr. Lizmitha Godwin Kerala Women's Science Congress, St.Teresa's College, Ernakulam, 10 - 12 August 2010.
2	Sr. Dr. Shemi George National conference on "Biotechnology, Bioinformatics and Bioengineering", Biotechnological Association, Dharmapuri, 17 -18 December 2010.
3	Sr. Dr. Shemi George Seminar on "Emerging Trends in Biotechnological Approaches for Infectious Disease Management", Department of Biotechnology, Periyar University, 29 November 2010.
4	Dr. Lizmitha Godwin "International conference ICFAN-2011 Food and Nutraceuticals for Nutrition and Health: Technology and Delivery." Department of Food Science, Periyar University Salem, 20 - 22 January 2011.
5	Dr. Lizmitha Godwin "Education and Women Empowerment", Department of Economics Morning Star Home Science College, Angamaly, 28 - 29 July 2011.
6	Dr. Lizmitha Godwin "National seminar on Life Style diseases in Sustainable Development Perspective" Department of Home Science, Morning Star Home Science College, Angamaly, 26 - 27 August 2011.
7	Dr. Lizmitha Godwin ICMR sponsored International Symposium on "Functional Foods and Health", ISFAH 2011, Department of Food Science at Periyar University, Salem on 19 November 2011.

8	Sr Dr.. Shemi George “International Symposium on Functional Foods and Health”, Department of Food Science, Periyar University, Salem, 19 November 2011.
9	Sr. Dr. Shemi George National conference on “Prognosis of Food Processing Sector in Health Promotion”, NGP Arts and Science College, Coimbatore, 29 August 2011.
10	Sr. Dr. Shemi George International Conference on “Food and Nutraceuticals for Nutrition and Health: Technology and Delivery”, Periyar University, Salem, 20 - 22 January 2011.
11	Dr.Lizmitha Godwin National Workshop on “Fast Food Trap”, Department of Home Science, St.Teresa’s College, Ernakulam, 14 January 2012.
12	Dr.Lizmitha Godwin “Nutritional Medicine Health and Wellness”- international conference, Department of Zoology St.Teresa’s College, Ernakulam, 7-8 June 2012.
13	Dr.Lizmitha Godwin National Seminar on “Life Style Disease- an Emerging Issue”, Department of Zoology, M.S.H.S College, Angamaly, 16-17 August 2012.
14	Megha Thampy National Seminar on “Ageing and Society-A Multidisciplinary Approach”, Department of Home Science, St.Teresa’s College, Ernakulam 4-5 October 2012.
15	Megha Thampy National Workshop on “Fast Food Trap”, Department of Home Science, St.Teresa’s College, Ernakulam 14 January 2012.
16	Sr. Dr. Shemi George National Conference on “Food Technological Interventions for Health and Nutrition Security”, Periyar University, Salem, 15 – 16 March 2012.
17	Sr. Dr. Shemi George National Conference on “Recent Trends in Food Processing and Health Scenario in India” held at Muslim Arts College, Thiruvithancode, Tamil Nadu, 27 January 2012.
18	Sr. Dr. Shemi George National conference on “Current Status and Future Prospects of Plant Therapeutics and Phytomedicine”, Department of Biochemistry, Periyar University, Salem, 13 -14 February 2012.
19	Dr. Lizmitha Godwin National seminar on “Environmental Diseases”, Department of Zoology, KKTU, Kodungallor, 26 February 2013.
20	Dr.Lizmitha Godwin National seminar on “Changing Status of Women in India-its Issues and Challenges”, Department of Economics, Morning Star Home Science College, Angamaly, 25 - 26 July 2013.
21	Megha Thampy National Seminar on “Burn Out Syndrome: Prevention and Coping Strategies”, Department of Home Science, Morning Star College, Angamaly, 16 - 17 August 2013.
22	Megha Thampy National Seminar on “Environmental Diseases”, Department of Zoology, KKTU College, Kodungalloor, 26 February

	2013.
23	Sr. Dr. Shemi George National conference on “Implications and Intervention of Phytomedicine in Disease Management”, Department of Biochemistry, Periyar University, Salem, 18 - 19 February 2013.
24	Sr. Dr. Shemi George National seminar on “Emerging Trends In Family And Community Science”, Govt. College for Women, Trivandrum, 25 October 2013
25	Sr. Dr. Shemi George National seminar on “Functional Foods- the Current Perceptive In Preventive Nutrition”, Alphonsa College, Pala, November 25 – 26, 2014.
26	Sr. Dr. Shemi George National conference on “Functional Foods: The Current Perspective in Preventive Nutrition” , Alphonsa College, Pala, 25 -26 November 2014.
27	T.R. Rajani Devi National Conference on “Impact of Research and Development in Biotechnology for Sustainable Textile Production”- UGC sponsored, KSR College of Technology, Namakkal Dt., Tamil Nadu, 23 - 24 December 2014.
28	T.R. Rajani Devi National Seminar on “Women’s Rights- Human Right Perspective”-UGC sponsored, Dept. of Business Administration, MES College, Aluva, 10 -11 December 2014.
29	Dr.Lizmitha Godwin National Seminar on “Sustainable Health and Wellness -Issues and Challenges” organized by the Department of Home Science, Morning Star Home Science College, Angamaly 12 -13 August 2015.
30	Dr.Lizmitha Godwin “Dimensions of research –Perspectives and Innovations” Department of Home Science St.Teresa’s College, Ernakulum, 25 November 2015.
31	Megha Thampy National Seminar on “Cyber Crimes: Issues and Challenges” Department of Business Administration, MES College, Marampilly, 15 October 2015.
32	Megha Thampy National Seminar on “Food Safety in India – Current Issues and Career Prospects” National Biotechnology Seminar 2015, Department of Biotechnology. St. Peters’ College, Kollenchery, 8 - 9 October 2015.
33	Megha Thampy National Seminar on “Sustainable Health and Wellness-Issues and Challenges” organized by the Department of Home Science, Morning Star College, Angamaly 12 -13 August 2015.
34	Sr. Dr. Shemi George National seminar on “Sustainable Health and Wellness-Issues and Challenges”, Department of Home Science, Morning Star Home Science College, Angamaly 12 - 13 August 2015.
35	T.R. Rajani Devi National Seminar on “Sustainable Health and Wellness- Issues and Challenges” (Poster), UGC sponsored, Department of Home Science, MSHS College, Angamaly, 12 -13 August 2015.

DEPARTMENT OF ZOOLOGY	
1	Sr. Dr. Ciji P.P. “Periyar – The Dying Beauty” in two day UGC sponsored national seminar on ‘Biotechnology – a Tool for Sustainable Environmental Conservation’, Department of Zoology, Morning Star College, Angamaly, 11 – 12 August 2011.
2	Sr.Dr. Ciji P.P. Poster presented on “Toxicity due to Copper and Zinc to ‘Puntius Parrah’ (Day, 1865)”, 1 st Marine Nano Ecotox Workshop organized by Area della Ricerca CNR, Palermo, Italy, 27 – 29 November 2012.
3	K.Leena Joseph “Effect of Climate on Wetland Birds of Thrissur District” Proceedings of UGC sponsored National seminar on “Climate change scenario: Threats & Potential Impacts on Ecosystem”, Department of Zoology, Morning Star College, 30 – 31 July 2013.
4	Rekha T.B. and Sajna T.K. “Effects of Four Plant Extraction on Rice Weevil ‘Sitophilus oryzae’ in the Stored Rice Grains” in proceedings of UGC sponsored National seminar on ‘Green Chemistry and Environmental conservation’, Department of Chemistry, Morning Star Home Science College, Angamaly, 18 - 19 July 2013.
5	Sajna.T.K. “Anthropogenic Effects on Climate Change and its Physiological Impacts”, Proceedings of UGC sponsored National seminar on ‘Climate Change Scenario: Threats & Potential Impacts on Ecosystem’, Morning Star College, Angamaly, 30 – 31 July 2013.
6	Vandana T.S. and Jerry Thomas “Evaluation of Larvicidal Activity of Leaf Extracts of Weed Plants against Culex Mosquito” Proceedings of UGC sponsored National seminar on ‘Green Chemistry and Environmental Conservation’, Department of Chemistry, Morning Star Home Science College, Angamaly, 18 - 19 July 2013.
7	Dr. Teji K. T. KSCSTE sponsored National Seminar on “Recent Advances in Medicinal Plant Research”, Bharath Mata College, Thrikkakara, 11 - 12 June 2015.
8	Dr. Teji K. T. UGC sponsored national seminar on “Integrating Taxonomy to DNA Barcoding” held, St. Xavier’s College, Aluva, 10 - 11 September 2015.
9	Dr. Teji K. T. , KSCSTE & Kerala State biodiversity board sponsored National Seminar on “Biodiversity Conservation : Trends and Prospects” ,Christ College, Irinjalakuda, 17 - 18 September 2015.
DEPARTMENT OF ECONOMICS	
1	Dr.Laisa Thomas “Changing Role of a Higher Education Institution and its Commitment to Society”, I QAC, St. Thomas College, Pala, 1 - 2 March 2010.
2	Dr.Laisa Thomas “Growing Per Capita Income and Consumerism in Kerala”, Post Graduate Department of Economics, B.K.College, Amalagiri 2 - 3 August 2010.

3	Dr.Laisa Thomas “Eco-Tourism: A Tool for Sustainable Development”, Nirmala College, Muvattupuzha, 5 - 7 December 2011.
4	Dr.Laisa Thomas “Education As A Catalyst To Women Empowerment”, Department of Economics, Morning Star College, Angamaly, 25 - 26 July 2013.
5	Subha Varghese “Information and Communication Technology (ICT) in the Globalized Era: Impact on Women”, CUSAT Kalamassery, 30 - 31 October 2015.
DEPARTMENT OF HISTORY	
1	Rinu K. Louis , "Perceived Perceptions and Ascribed Identities: A Critical Reading on the Ethnographic Representation of Princely Cochin in L.K.Anantha Krishna Aiyers' Cochin Tribes and Castes" in the Third Annual International Kerala History Conference held at CMS College, Kottayam, 26 - 27 November 2015.
DEPARTMENT OF SOCIOLOGY	
1	Soumya Kachappally , “Information and Communication Technology (ICT) in the Globalized Era: Impact on Women”, CUSAT Kalamassery, 30 - 31 October 2015.
DEPARTMENT OF COMMERCE	
1	Jwalini K.S. “Financial Sector Development Strategy For Achieving Inclusive Growth”, Inclusive Growth & Development in The Indian Context, 2015.
2	Jwalini K.S “Financial Literacy-Improving Future Work Skills Through Financial Education”, Financial Literacy- A Supreme Tool in Accelerating Corporate Social Responsibility in Financial Institutions, 2016.
DEPARTMENT OF LANGUAGES	
1	Sophia James “From Hubris to Humility: The Need for a Transformation in our Consciousness from Anthropocentric to Biocentric”, Department of Economics, Morning Star Home Science College, Angamaly 23-24 February, 2012
2	Arya M.P. “Ecospirituality in ‘The Infinity of Grace’ by O.V.Vijayan”, S.N.M. College, Maliankara, 26-27 November 2015.
3	Sr.Dr. Jessy K.P. “Parishkarapathi Novalile Bhashaswaroopavum Samskarika Mudrakalum”, Little Flower College, Guruvayoor, 29-30 November 2012.
4	Sr.Dr. Jessy K.P. “Chavittunatakam: Swaroopavum Savisheshatakalum”, St. Peter’s College, Kolenchery, 24-26 February 2014.

Twenty nine percent of the faculty served as resource persons in Workshops / Seminars / Conferences organized by external professional agencies. Seventy percent of the faculty participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies.

Table 2.18: Faculty as Resource Persons

Sl. No	Name of Faculty & Department	Topic & Venue	Date
1	K. Leena Joseph Zoology	Resource person in a UGC sponsored State level Workshop on Conservation of Environment and Eco-friendly Management of Domestic Waste-A Sustainable Approach. Morning Star College, Angamaly	11-12 June 2011
2	Megha Thampy Home Science	Nutrition awareness class on Impact of Fast Foods Govt. Higher Secondary School, Nayathodu, Angamaly	19 January 2012
3	Sr. Dr. Shemi George Home Science	Class on Food Preservation District Industrial Development Office & MSHS College, Angamaly	22 - 27 February 2012
4	Pauline Joseph K. Physical Education	Demonstration Class on Yoga Good Shepherd Balabhavan, Njalukkara	3 July 2012
5	Dr. Laisa Thomas Economics	Resource Person in the National Encounter Seminar organised by Idente Youth- an International organization POC, Palarivattam, Ernakulam	10-12 August 2012
6	Dr.Lizmitha Godwin Home Science	Food Preservation Class through Agriculture Technological Management Agency for Women Village Reading Room and Library at Eeroor, Agriculture Department, Eeroor	20 October 2012
7	Dr.Lizmitha Godwin Home Science	Food Preservation Class through Agriculture Technological Management Agency for Women.Krishi Bhavan Chottanikkara, Agriculture Department, Chottanikkara	6 November 2012
8	Pauline Joseph K. Physical Education	Awareness Class for girls below 15 years on 'Yoga and Wellness' Santa Teresa Convent.	11 -12 April 2013
9	Pauline Joseph K. Physical Education	Ten Day Summer Camp on 'Physical Health and Life Skills' for girls below 20 years Good Shepherd Balabhavan, Njalukkara	19 April 2013

10	Pauline Joseph K. Physical Education	Seven Days Summer Camp conducted for boys below 20 years on 'Yoga-the Need for Today' Good Shepherd Balabhavan, Njalukkar	29 April 2013
11	Dr.Lizmitha Godwin Home Science	Education and Awareness class on Amritham Foods. ICDS and Grama Panchayath-Edakkattuvayal	27 June 2013
12	Dr.Lizmitha Godwin Home Science	Resource person in UGC sponsored National Seminar on 'Changing Status of Women in India-its Issues and Challenges'- Women's Health in Current Scenario Department of Economics, M.S.H.S. College, Angamaly	25 -26 July 2013
13	Megha Thampy Home Science	Nutrition Awareness Class,Parakkadavu L P School, under the project of SPED (Sustainability through Participation, Empowerment and Decentra-lisation) Save a Plan at Kanjoor,and Social Action Forum of Irinjalakuda	29 August 2013
14	Dr.Lizmitha Godwin Home Science	Class for Women- Food Processing Six Week Entrepreneurship Skill Development Programme on Food Processing organized by MSME Training Institute, Ettumanur and Department of Home Science, M.S.H.S. College, Angamaly	24 September -11 November 2013
15	Megha Thampy Home Science	Class for women- Food Processing Six Week Entrepreneurship Skill Development Programme on Food Processing organized by MSME Training Institute, Ettumanur and Department of Home Science M.S.H.S. College, Angamaly	24 September -11 November 2013
16	Sr. Dr. Shemi George Home Science	Class for Women- Food Processing Six Week Entrepreneur-ship Skill Development Programme on Food Processing organized by MSME Training Institute, Ettumanur and Departmentt of Home Science M.S.H.S. College, Angamaly	24 September -11 November 2013
17	Pauline Joseph K.	Class cum Demonstration on 'Yoga and Meditation' for the Aspirants of the	19-20 October

	Physical Education	Congregation of the Sisters of Nazareth Morning Star College, Angamaly	2013
18	Dr.Lizmitha Godwin Home Science	Education and Awareness class on Amritham Foods ICDS and Grama Panchayath, Edathala Perumbavoor	19 November 2013
19	Megha Thampy Home Science	Nutrition Awareness Class on 'Importance of Nutrition to the Adolescent Girls' Kisoru Yojana Project, ICDS of Parakkadavu Panchayat.	4 January 2014
20	Megha Thampy Home Science	Food Preservation Class Department of Economics, Morning Star College, Angamaly	4 February 2014
21	Dr.Lizmitha Godwin Home Science	Food Preservation Class Department of Economics, Morning Star College, Angamaly	4 February 2014
22	Dr.Lizmitha Godwin Home Science	Awareness regarding Life Style Disease and Cancer Aluva Taluk and Regional Cancer Centre Trivandrum and NSS, M.S.H.S. College, Angamaly	26 October 2014
23	Pauline Joseph K. Physical Education	Class cum Demonstration on 'Yoga and Meditation' for the Aspirants of the Congregation of the Sisters of Nazareth Morning Star College, Angamaly	10-15 November 2014
24	Megha Thampy Home Science	Nutrition Awareness Class on 'Geriatric Nutrition' for Elderly People Association of Retired Members, near U.C. College, Aluva	18 March 2015
25	Pauline Joseph K. Physical Education	Awareness Class on Yoga St. Jude Family Counselling Centre	21-24 April 2015
26	Dr.Lizmitha Godwin Home Science	FDP Interview-Resource Person St.Teresa's College, Ernakulam at M.G.University	6 October 2015
27	Dr.Teji K.T. Zoology	Extension Talk on Role of Anganavadi on Moulding Child Behaviour Thalir Anganavadi, Valappad, Thrissur	14 November 2015
28	Femeetta Mary A. G. Chemistry	Resource Person in Wetland Day observation funded by KSCSTE Morning Star College, Angamaly	2 February 2016
29	Megha	Demonstration of Healthy Recipes for	16

	Thampy Home Science	Children and Elderly Department of Chemistry in Association with Women's Cell ,Youth Red Cross and OISKA International at Morning Star College, Angamaly	February 2016
30	K.Leena Joseph Zoology	Extension Talk on Eat Healthy, Beat Diabetes Kerala Social Security Mission- Vayomithram	7April 2016

- The teachers are encouraged to do part time research to enhance their knowledge. They are also encouraged to do Research projects.
- As and when the curriculum changes new books are introduced in the Central and department libraries for knowledge updation.
- The teachers are promoted to attend curriculum workshops.
- Content /knowledge management: E-Learning facility, Book Bank and Book Buffet facilities are initiated in the library.
- The management ensures a family atmosphere in the campus which provides the necessary ambience to work committedly towards achieving the vision and mission of the institution.
- Models of molecules prepared by the Chemistry teachers are used for demonstrations.

2.4.4 What policies/ systems are in place to recharge teachers? (Eg providing research grants, study leave, support for research and academic publications, teaching experience in other national institutions and specialized programmes industrial engagement etc.)

- Teachers are encouraged to attend orientation programmes, refresher courses, seminars, workshops and training programmes. Duty leave is provided for the same.
- Teachers are encouraged to complete Ph.D. using Faculty Improvement Program of UGC or otherwise. The management ensures all possible help to teachers who aspire to do research. During summer vacation teachers who are research scholars are given exemption from duties.
- Teachers are timely informed about the packages for Minor and Major research projects and are encouraged to apply for the same.
- The college publishes an interdisciplinary peer reviewed International Journal Star Research Reach with ISSN: 0975-5101 from the Department of Home Science to encourage the research activities of the faculty.
- Faculty enrichment programmes are arranged in the college by the IQAC.
- UGC sponsored seminars and invited lectures are organized by the departments to familiarize the faculty and students with latest developments in the academic field.

- The teachers are encouraged to publish their research work in reputed research journals.

2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.

The encouragement and strong support given by the management contributes a lot to the achievements of the faculty. The achievements are recognized and publicized in the institution to motivate the faculty as well as the students.

Table 2.19: Awards/Recognitions to the Faculty

Sl. No	Name of the Faculty and Department	Description of the Award/Recognition
1.	Dr. Ancy Thomas Home Science	Research Guide in M.G. University
2.	Dr.Lizmitha Godwin Home Science	Certificate of Honor, in Recognition of Ph.D. by TRACC
3.	Dr.Lizmitha Godwin Home Science	M.Phil. Guide, Mother Teresa University, Kodaikanal
4.	Dr.Lizmitha Godwin Home Science	Chairman for International Conference at AIIMS, Delhi
5.	Dr.Lizmitha Godwin Home Science	Member of Board of Studies of M.G. University, Kannur University and St. Teresa's College, Ernakulam
6.	Sr. Dr. Philo T.J. Botany	Ph.D. from M.G. University in 2010
7.	Dr.Lizmitha Godwin Home Science	Ph. D. from M.G. University in 2011
8.	Sr. Dr. Ciji P.P. Zoology	Ph.D. from M.G. University in 2012
9.	Sr. Dr. Jessy K.P. Malayalam	Ph.D. from Sree Sankaracharya University of Sanskrit, Kalady in 2012
10.	Megha Thampy Home Science	First Prize in Poster Presentation, UGC Sponsored National Seminar 16 -17 August, 2013
11.	Sr. Dr. Shemi George Home Science	Ph.D. from Periyar University, Salem in 2013
12.	Dr. Beena George Mathematics	Ph.D. from Sree Sankaracharya University of Sanskrit, Kalady in 2013
13.	Dr. Laisa Thomas	Chief Guest to inaugurate Economics

	Economics	Association of Al-Ameen College, Edathala, 10 September, 2013
14.	Dr. Laisa Thomas Economics	Inspection Commission Constituted by M.G. University for starting new U.G. Courses/Additional batch in unaided Self-financing Arts and Science Colleges –Inspected in Illahia College, Muvattupuzha,2013
15.	Ms. Sophia James English	Inspection Commission Constituted by M.G. University for starting new U.G. Courses/Additional batch in unaided Self-financing Arts and Science Colleges –Inspected in DIST, Angamaly, 2013
16.	Sr. Dr. Gisha Joseph Hindi	Ph.D. from Avinashilingam University, Coimbatore in 2014
17.	Usha K.R. Zoology	Executive Member, Zoological Society of Kerala
18.	Usha K.R. Zoology	Co-ordinator of the Zonal Zoo Fest of Zoological Society of Kerala- 2013 and 2014
19.	Lisue Xavier Chemistry	Subject Expert in the Interview Board in Chemistry for the Selection of Higher Secondary Teachers in Mar Augustine Higher Secondary School on Thuravoor,16 June, 2015
20.	Dr Beena George Mathematics	Subject Expert in the Interview Board in Mathematics for the Selection of Higher Secondary Teachers in Mar Augustine Higher Secondary School, Thuravoor on 16 June, 2015
21.	Dr. Laisa Thomas Economics	Subject Expert in the Interview Board in Economics for the Selection of Higher Secondary Teachers in Mar Augustine Higher Secondary School, Thuravoor on 16 June, 2015
22.	Sr.Dr.Philo T.J. Botany	Subject Expert in the Interview Board in Mathematics for the Selection of Higher Secondary Teachers in Mar Augustine Higher Secondary School, Thuravoor on 16 June, 2015
23.	Leena Joseph Zoology	Subject Expert in the Interview Board in Zoology for the Selection of Higher Secondary Teachers in Mar Augustine

		Higher Secondary School, Thuravoor on 16 June, 2015
24.	Dr. Laisa Thomas Economics	Chairman in the National Seminar at the UGC Sponsored National Seminar, 23-24 July, 2015
25.	T.R. Rajani Devi Home Science	Received Third Prize for Poster Presentation in National Seminar. 12 -13 August, 2015
26.	T.R. Rajani Devi Home Science	Member of Board of Studies of Calicut University.
27.	Sr.Dr.Shemi George Home Science	Received Second Prize for Poster Presentation in National Seminar 12-13 August, 2015
28.	Dr. Teji K. T. Zoology	Identified a new Fish from Muriyad Wetlands and it was named as <i>Amblypharyngodon melettinus muriyadensis</i>
29.	Neenu Mary Thomas Physics	Awarded Fellowship for a Project in IISc, Bangalore, 2015
30.	Dr. Lizmitha Godwin Home Science	Member, Women Scientist of Kerala State Council for Science, Technology and Environment, 2015
31.	Dr. Resmi G. Economics	Life Member of Kerala Economics Association
30.	Prof. Rajagopalan M.G. Chemistry	PG and UG Board of Studies-Maharaja's College- Ernakulam, 2015
31.	Prof. Rajagopalan M.G. Chemistry	Member of Academic Council, Maharaja's (Autonomous) College, Ernakulam, 2016
32.	Dr. Beena George Mathematics	Evaluated Ph.D. Thesis, Sree Sankaracharya University of Sanskrit, Kalady, 2016

2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?

Yes. Evaluation of the teachers by the students is conducted towards the end of every year. This is done on a printed format which is distributed among the students. The filled up forms are collected and given to the individual teachers. The teachers analyze the assessment forms, calculate their score and find out their average score. The process gives the teachers an opportunity for self-introspection. The reports from all the teachers are

consolidated by a coordinator who is an IQAC member and is presented to the Principal. The Principal analyzes the report and seeks rectification on points that need attention. The academic audit team which includes representatives from the management collects information regarding the performance of the teachers and suggests necessary measures for quality improvement.

2.5 Evaluation Process and Reforms

2.5.1 How does the institution ensure that the stakeholders of the institution, especially students and faculty, are aware of the evaluation processes?

The process of evaluation, which is in accordance with the rules and regulations of the Mahatma Gandhi University, is elaborated in the college Handbook. All the staff and the students keep a copy of the handbook cum Calendar. The faculty members attend workshops on the newly introduced and revised systems of evaluation followed by the University.

On the reopening day after summer vacation, the Principal and the staff sit together for an elaborate staff meeting. The action plan for the whole semester is made and tentative dates for various activities and internal exams are decided. The newly joined students are given an orientation talk by the Principal on their starting day on the rules, regulations and the evaluation process followed in the college.

In the beginning of every academic year, the Principal addresses the students and the parents and intimate them about the various components of the continual evaluation process. They are given opportunity to evaluate the different aspects of the institution and make suggestions.

Every class has an advisor who gives timely guidance on the evaluation process. The students are informed about the date of internal assessment examination well in advance and they are made aware of the seriousness and implications of the internal assessment process. Revision of lessons is done with previous question papers available in the Department as well as the Library. The internal marks of the students are uploaded on the university portal on time as per the directions of the Principal.

2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

As per the specifications of the University 20% of the total score for the UG programmes is attributed to continuous internal assessment. For PG programmes, the proportion is slightly different- 25% of the total score comes from internal assessment and the rest is allotted to external assessment by means of written examination conducted by the university. The answer scripts of internal examination, assignments and seminar scripts are returned

to the students after evaluation. After the evaluation process, the marks awarded to the students are published on the notice boards for their verification. A minimum of 75% of attendance is mandatory for students to be eligible to appear for the University examination.

Though the University demands the colleges to conduct only one internal exam and one assignment/seminar, the teachers here do not always limit themselves to this. The college takes the responsibility of giving model examinations of three hour duration in the university examination pattern before their semester examinations. Participatory learning methods, class room interaction and feedback of the lessons taken at the end of the class make teaching-learning an enjoyable experience.

2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

The institution strictly adheres to the rules and statutes issued by the University. The IQAC ensures that the evaluation reforms of the University are properly implemented.

The dates for submitting question papers, completion of valuation etc. are informed at the staff meetings and the teachers strictly follow the instructions. Internal exams are conducted at the stipulated dates without failure; the dates and schedule are informed to the students well in advance. Valued answer scripts are given to the students on time. Retests are given when necessary. The scores of the students are recorded in the internal assessment register. The scores of each course are recorded both on the A and B forms and are displayed on the notice boards.

After the examinations, the student performance is recorded on report cards and parents are called in for personal meeting with the class advisors. This is an occasion for the parents and the teachers to sit together to assess the progress and limitations in the performance of the students.

Suggestions about any reforms arrived at in the meetings of the Staff Council and the IQAC will be discussed in the staff meetings and are implemented. The various aspects of the evaluation process are discussed and actions are taken at the department level meetings held regularly. The departments take the responsibility of arranging remedial classes to those who are in need.

2.5.4 Provide details on the formative and summative assessment approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.

The achievements of the students are mainly measured by the outcome of the continual evaluation process, internal assessment examinations, university examinations and finally their overall output.

Formative Assessment: This is a continuous process taking place from the commencement of the year. The performance of the students in seminars, assignments, class tests, performance in the lab, class room attention, participation in institutional activities etc. are taken into account. The students are made aware of the evaluation modalities through the College Handbook and through the Principal's address. Class Advisors also remind them again about the procedures.

- There are a number of scholarships and endowment prizes available in the institution as incentives for the academic achievements of students.
- The achievers are encouraged by giving ample recognition and publicity of the achievements. Successes in events are announced in the college after the Morning Prayer and are displayed on the notice board. The institution ensures that the achievements won outside the college are recognized at public meetings.
- All the departments have a collection of the question papers of the previous years which the students use to familiarize themselves with the method of answering.

Summative Assessment: Summative assessment is the culmination of the evaluation processes done during the whole year. A percentage of the summative assessment comes from internal evaluation and the rest from the university examination. The evaluation process of each course comprises of the In-Semester Assessment (ISA) and End- Semester Assessment (ESA). The students are prepared intensively to do well in the internal assessment as well as university examination.

2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioural aspects, independent learning, communication skills etc.)

The valued answer scripts are distributed time bound to the students and the students are free to rectify any anomaly in the valuation with the concerned teachers within two days. The specification stipulated by the University is followed in assigning internal marks. These specifications include attendance, seminars, assignments and assessment test.

The students are required to present the submitted seminars and assignments on time. Internal marks for practicals are given, based on attendance, performance in the lab and assessment test. The class advisor keeps a record of the academic performance and attendance of the students and communicates it to the parents during the PTA meetings.

Form B of the internal assessment is displayed on the department notice board before forwarding to the Principal and the University so that the students can go through it and verify the correctness.

2.5.6 What are the graduate attribute specified by the college/ affiliating university? How does the college ensure the attainment of these by the students?

The college desires that the students passing out from the institution develop social commitment, compassion and loyalty to the nation, in addition to acquiring academic proficiency.

The academic development is enhanced by supportive systems like tutors, mentors etc. The student community consists of varying intelligence and scholarship. Weekly tutorial sessions and Remedial Coaching ensure that the students are well equipped to face the future. Personal attention is given to very weak students. For the overall development of the students we have regular value education classes, awareness programs organized by the NSS, AICUF, Youth Red Cross, Women's Cell etc. and Certificate Courses organized by various departments. We utilize schemes like WWS and SSP instituted by the Higher Education Department to enrich the students. WWS is for advanced learners students and SSP is mainly for slow learners.

2.5.7 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?

There is a pattern followed for the redressal of grievances with reference to evaluation. A Grievance Redressal Cell is functioning in the college. The students are free to express their grievances by making use of the Grievance Box placed in the college. The details of the mechanism are published in the College Handbook. Grievances, if any, usually do not go unredressed beyond the college level.

2.6 Student Performance and Learning Outcome

2.6.1. Does the college have clearly stated learning outcomes? If 'yes' give details on how the students and staff are made aware of these?

Yes. The institution aspires that all the students come out with flying colours on the completion of their studies. This aspiration is communicated to the students from the time of admission onwards by the Principal and by the teachers.

- Every student receives the Handbook which contains all the necessary information regarding the vision, mission and objectives of the college.
- The progress of the students is regularly monitored in staff meetings.
- The Principal, during her address to the freshers, drills in the vision, the mission and the expectations of the institution. Orientation class is given to the freshers by eminent speakers at the beginning of their class. The

address to the first years is done in the presence of their parents. For PG programmes too the same procedure is followed.

- Each semester starts with the Principal's address to the students motivating them to strive to achieve the expected outcome.
- Every year, at least one orientation programme is organized for the staff.
- When the results are announced an analysis is done in the staff meeting and measures to rectify the drawbacks are discussed.

2.6.2. Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students results/achievements (Programme /course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/Courses offered.

Table 2.20: Pass Percentage (Last Five Years) of the UG Courses

Department	2011-12	2012-13	2013-14	2014-15	2015-16
Home Science	100.0	88.88	100.0	75.0	39
Zoology	100.0	100.0	87.0	87.0	65.4
Physics	100.0	100.0	100.0	96.4	40.0
Chemistry	95.0	100.0	96.0	93.0	58.0
Economics	80.0	70.6	86.49	89.74	14.0

Table 2.21: Pass Percentage (Last Five Years) of the PG Courses

Department	2011-12	2012-13	2013-14	2014-15	2015-16
Home Science	100.0	66.6	87.5	87.5	Result Awaiting
Zoology (Self financing)	100.0	85.7	90.0	86.0	Result Awaiting
Physics (Self financing)	-	-	-	40.0	Result Awaiting
Chemistry (Self financing)	-	-	-	58.3	Result Awaiting

➤ **Student Rank Achievements in the University Examination**

- 2011-12: II Rank, B.Sc. Physics
 - (Ms. Anjaly Davis)
- 2012-13: I Rank, M.Sc. Community and family Science
 - (Ms. Anju Krishna)
- 2014-15: II Rank, B.Sc. Family and Community Science
 - (Ms. Shincy Sivadasan)
 III Rank, B.Sc. Family and Community Science
 - (Ms. Tes Thomas)

2.6.3. How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

An elaborate staff meeting is held at the start of the academic year. Assigning duties to the teachers and planning for the semester is done at this meeting. At the department level staff meetings, the teachers are assigned portions of the syllabus by the Head of the Department and a teaching plan for the semester is prepared by the respective teacher. The IQAC monitors the time-bound implementation of the steps taken and conducts academic audit. The teachers attend faculty improvement programmes regularly for updating their knowledge.

The Principal, in discussion with the faculty, sets a cut off date to complete the syllabus and the teachers ensure that this is done well in advance of the University examination. The Heads of the Departments monitor that everything is done time-bound.

The evaluation process is done in the form of internal assessment tests, seminars, assignments etc. Since 2013, after the reversal from credit system to mark system the number of evaluation test is reduced to one by the University. Retests are given to those students who failed to get adequate pass marks. The student progress is also conveyed to the parents through PTA meetings which are conducted annually.

2.6.4. What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students etc.) of the courses offered?

- A Career Guidance Cell is functioning in the college which offers career guidance classes for the students by experts. In the year 2011-12 a job fair was organized in our college and about 150 of our students as well as others participated in it. Students are encouraged to attend job fairs and campus interviews organized by neighbouring institutions and external agencies.
- Out of the students who joined Additional Skill Acquisition Program (ASAP) of Kerala Government two students- Minu Merin Sabu B.Sc. Zoology (2013) and Rinu Elizebeth M.Sc. Zoology (2014)- were selected as trainers.
- DCA, a six month Diploma in Computer Application course is made available for the students in the campus.
- Students are helped to prepare their profile and are given training to face interviews.
- Our former students are placed as faculty in various PG as well as UG departments in our college.
- The Department of Home Science offers a Certificate Course in Fashion Technology.

- Almost all the students who pass out from the Department of Home Science are placed in various positions as dieticians, entrepreneurs, ICDS supervisors, nutritionists etc.
- The Department of Economics offers a Certificate Course in Research Methodology to help the students in preparing their projects.
- The Department of English offers the Certificate Course in Communicative English.
- Chemstar - Soil Analysis by the Department of Chemistry trains the students and soil samples are analyzed for PG students as well as for outsiders. This is also the consultancy service offered by the department.
- The Department of Physical Education offers the Certificate Course in Basic Yoga.
- NET coaching centre is initiated in the campus to train the PG students to attempt the competitive examinations.
- Student entrepreneurship is promoted. Students are involved in rabbit farming, ornamental fish farming, producing organic pesticides, and manure etc.
- The NSS units functioning in our college organize programmes of social relevance. Every year an average of 200 students take membership in the NSS. Programmes are organized for students as well as for the people of the local areas. Social surveys, awareness classes, cleaning of public places etc. are organized under the auspices of the NSS. Summer Skill Skool – Vacation for Vocation – is organized every year by the NSS.
- Organ and blood donation campaigns are organized in the college to cultivate social commitment among students.

Table 2.22: List of Students who Got Placement in the Last Five Years

Sl. No.	Candidate	Class	Placement	Year
1.	Limi Jose	B.Sc. Chemistry	Airport	2011-12
2.	Neema Mathew	B.Sc. Chemistry	WIPRO	
3.	Shalini M. Varghese	M.Sc.FCS		
4.	Greeshma Raj S.	B.Sc. Chemistry		
5.	Ancy Joy	B.Sc.FCS		
6.	Deepthy P	M.Sc. Zoology		
7.	Sneha K. Jacob	B.Sc. Physics		
8.	Anju Francis	B.Sc. Zoology		
9.	Vandana T.S.	M.Sc. Zoology		
10.	Anu Babu	B.A. Economics		Eureka Forbes
11.	Surya P.S.	B.A. Economics		
12.	Reena John	B.A. Economics		
13.	Sona Davis	B.Sc. Zoology		
14.	Greeshma George	M.Sc.FCS		

15	Anju Sivan	B.Sc. Physics	ASAP Trainee	
16	Bhavyasree M.P.	B.Sc. Physics		
17	Reshma Raveendran	B.Sc. Zoology		
18	Deepthy K.N.	B.Sc. Physics		
19	Minu Merin Sabu	B.Sc. Zoology		
20	Aiswarya Mohandas	B.Sc. Physics		
21	Sr. Sony Mathew	B.A. Economics		
22	Beetha Joy	B.Sc. Physics		
23	Anu Thomas	B.Sc. Physics		
24	Diana Andrews	B.Sc. Chemistry		
25	Amal Rani George	B.Sc. Physics		
26.	Revathy Rajan	B.Sc. Chemistry		
27	Princy Joy	B.Sc. Chemistry		
28	Laila P.M.	M.Sc.FCS		

2.6.5. How does the institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?

The performance of the students is continuously evaluated through internal assessment processes. The outcome of evaluation is analyzed and brilliant and weak performers are identified. The Class Advisor and the Head of the Department discuss the issues with concerned teachers and a cumulative effort is put forward in the case of bright students as well as that of weak students. The Principal is keen on the curricular, co-curricular and extra-curricular advancement of the students. Walk With a Scholar and Scholar Support Programme were introduced in 2015 to support the advanced and the slow learners respectively.

The University examination results are analyzed and evaluated and the draw backs are rectified by special coaching. The change from grade system to marks caused a setback in the result, which was corrected by giving extra coaching for the subjects which suffered too much failure. Peer group learning method is also practiced by the departments.

Personal counselling is given to weak students and they are directed to the concerned teachers in whose subject they performed badly. The teachers give extra coaching in the subject. Their academic performance is communicated to their parents so as to get better care and motivation for the students to do better.

The students are made to attempt the previous year's question papers before going for examinations. Test papers are conducted regularly so that students get the practice of writing the answers within the prescribed time.

2.6.6. How does the institution monitor and ensure the achievement of learning outcomes?

- Staff meetings are conducted regularly following the publication of the results and a thorough result analysis is done.
- Each class is monitored by a class advisor who takes special care in the quality enhancement of the students.
- Students are encouraged and motivated to strive towards academic excellence and student achievements are announced through public address systems.
- The Staff council monitors the student progress continuously and gives timely suggestion for improvement.
- The IQAC conducts academic audit to monitor and assess the learning outcomes.
- PTA meetings are arranged every year to communicate the progress of the students to the parents.
- Endowment prizes for meritorious students are instituted in every department.
- Scholarship prizes are awarded for all courses – Core, Complementary and Languages, motivating the students to strive towards academic excellence.

2.6.7 Do the institution and individual teachers use assessment/evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If ‘yes’ provide details on the process and cite a few examples.

The institution takes the evaluation outcome as an indicator for evaluating the performance of students, achievement of learning objectives and planning. Evaluation outcomes motivate the teachers to re-plan the strategies of teaching learning process. Each teacher identifies their own methods.

- Answering previous year’s question papers, teaching difficult topics once again, giving instructions for better presentation of answers, giving class tests for small contents, concretizing abstract topics with the help of examples etc help the students to face the examinations well.
- What is taught in the classroom is made clearer by giving them access to see the videos and images from the internet, like working of an equipment, functioning of an instrument etc.

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Does the institution have recognized research centre/s of the affiliating University or any other agency/organization?

At present, the college doesn't have a recognized research centre. The application by the Department of Home Science for sanction of research centre under Mahatma Gandhi University is in process. The postgraduate students are promoted to select research oriented topics while doing their project works.

3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

Yes. The college has a Research Committee with the Principal as the Convener. The coordinator and all the members of the committee are Ph.D. holders. The Research Committee meets at least once in every six months to discuss various matters associated to research activities. The recommendations by the Research Committee include:

- Upgrade the Department of Home Science to the status of a Research Centre.
- Increase the number of books in the Central Library to facilitate research.
- Add more members to the editorial board of 'Star Research Reach'.
- Promote the faculty to undertake research projects.
- Encourage the faculty members to upgrade themselves as research guides.
- Encourage the staff and the students to participate and present papers in seminars, conferences, workshops etc.

Based on these recommendations, the following actions were taken.

- The application for sanction of research centre has been forwarded to the university.
- The number of books in Home Science was increased in the Central and the department libraries.
- The following new members were included in the Editorial Board of 'Star Research Reach':
 - Ms. Linda Maud Matley, Former Head of Modern Foreign Languages, Governor of Putney High School, London.
 - Ms. Jenny O'Brien, Governor of Putney High School, London. Former Head of Modern Foreign Languages, Putney High School. Member of Lady Margaret Hall, Oxford.
 - Dr. Ganesh Babu, University of Cape Town, South Africa.
 - Mr. George Vineeth N.J., Department of English, St. Albert's College,

Ernakulam.

- During the post accreditation period, seven faculty members have undertaken UGC funded Minor Research Projects. Three of them have completed the projects and the remaining four are in progress.
- More numbers of the staff and the students have been participating in seminars, workshops, conferences etc.
- Seven faculty members were awarded Ph.D. during the period under consideration.

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/ projects?

Intimation regarding research projects funded by various agencies is passed on to the faculty members on time.

- Full autonomy is allowed to the Principal Investigator for conducting research projects.
- Funds sanctioned by the funding agencies are released to the respective investigators without any delay.
- The college office reminds the faculty at stipulated times about the submission of utilization certificates and helps the faculty members in auditing the accounts.
- All departments are provided with computers and laptops with internet connection.
- Those who need to apply for Faculty Development Programme are given advice and support for the same.

3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

- Through Morning Star Lecture Series conducted every year, the students get exposed to eminent personalities in their respective fields.
- The UG and PG students are promoted to select research oriented topics with community relevance for their projects, thus developing research aptitude.
- The students are given ample opportunities to participate and present their project reports in national seminars, conferences and workshops.
- The faculty monitors the improvement in the research work. Adequate instructions are also given by the respective guides.
- Classes on research methodology and statistics are incorporated as part of the curriculum at PG and UG levels.
- Language Lab and Certificate Course in Communicative English offered by the Department of English help the students to improve their communicative as well as report writing skills.
- The students are encouraged to do in house as well as external projects as

part of their PG curriculum in institutions of academic as well as industrial relevance.

- The students are encouraged to utilize the online resources available and NLIST consortium of INFLIBNET facility.

3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.

➤ Guiding Research

- Dr. Ancy Thomas, Former Head of the Department of Home Science (retired in 2013) is a registered guide in the Department of Home Science, St.Teresa's College, Ernakulam, the approved research centre of Mahatma Gandhi University, Kottayam.
- Dr. Lizmitha Godwin, Dr.Sr.Shemi George and Dr. Laisa Thomas have applied for guideship with Mahatma Gandhi University.
- Dr. Lizmitha Godwin is a registered M.Phil. guide in Mother Teresa University, Kodaikkanal.
- Two scholars do research under the guidance of Dr. Ancy Thomas:
 - Bini R. Namboodiri- 'Developing Cost Effective Bio Polished Anti Microbial Cellulosic Fibres for Sportswear.'
 - Thomas Ruby Mariamma- 'Banana Fibre –a New Era Fabric Culture'.
- The following scholar is doing M.Phil. under the guidance of Dr. Lizmitha Godwin:
 - Jiby Abraham, Assistant Professor, St. Joseph's College, Alappuzha - Research in Food and Nutrition (2013).
- The postgraduate students of Home Science, Zoology, Physics and Chemistry do their research work under the guidance of respective faculty members in partial fulfillment of their curriculum.
- The following faculty members are actively engaged in individual research:

Table 3.1: List of Faculty Engaged in Individual Research:

Name of the faculty and Department	Topic	Name of Guide and Centre
Usha K.R. Zoology	Bionomics, Demography and Ex-situ Conservation of Puntius Melanostigma.	Dr.M.L.Joseph, St.Alberts College,EKM
Leena Joseph K. Zoology	Bionomics Demography and Conservation of Scarlet Banded Barb Puntius Amphibious Pethiagoda, 1991 from river Chalakkudy.	Dr.M.L.Joseph, St.Alberts College Ernakulam

Megha Thampy Home Science	Effect of Vitamin D and its Nutritional Factors on the Mammographic Density of Newly Diagnosed Breast Cancer Subjects.	Dr.Kavitha M., Government College for women, Trivandrum.
Neenu Mary Thomas Physics	Investigating the Structural and Optical Properties of Nano Structured Mixed Oxides Embedded in Glass / Polymer Matrix as Functional Materials for Various Applications	Dr. Ison V.V., St.Thomas College, Pala.

- Seven faculty members completed their research work successfully and were awarded Ph. D. during the NAAC reaccreditation period.

Table 3.2: List of Faculty Members Awarded with Ph.D.

Name of the faculty	Department	Topic	Year
Sr. Dr. Philo T.J.	Botany	Biochemical Characterisation of Certain Gramineous Weeds	2010
Dr. Lizmitha Godwin	Home Science	Health and Nutritional Status of Women and Preschool Children in Urban Slums of Kochi	2011
Sr. Dr. Ciji P.P.	Zoology	Toxicity Due to Zinc and Copper on Fresh Water Fish-Puntius Parrah	2012
Sr.Dr.Shemi George	Home Science	Effect of Processing on Nutritional and Pharmacological Activities of Pumpkin Seed	2013
Sr. Dr. Jessy K.P.	Malayalam	Christava Samskaram Pathonpatham Nootandile Malayala Novalukalil	2013
Dr. Beena George	Mathematics	An Analytical Study of Mathematical Approaches for Roofing System of Indian Traditional Architecture with Special Reference to Lilavati.	2013
Sr. Dr.Gisha Joseph	Hindi	Chithra Mudhgal aur Mridhula Gurg Ke Upanyasom Ka Ek Vishhleshanatmak Adhiyan	2014

Table 3.3: Faculty in Minor Research

1	Dr. Ancy Thomas , former Head, Department of Home Science, completed the minor research project on ‘Silk Dyeing Using Onion Peel Extracts’ in the year 2013.
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2	Dr. Thresiakutty K.M. , former Head, Department of Economics, completed minor research project on ‘A Study on Rejuvenation of Distressed Traditional Industries of Kerala with special reference to Bamboo Industry’ in the year 2013.
3	Dr. Laisa Thomas , Assistant Professor, Department of Economics, has completed minor research on ‘Fertility Decisions and its Demographic Impact on the Kerala Family’ sanctioned in the year 2013.
4	Dr. Lizmitha Godwin , Assistant Professor, is pursuing the project on ‘Development of Education Module on Eco-friendly Energy Conservation Indigenous Equipment- Hay Box’ during 2014-2016.
5	Sr.Dr. Shemi George , Assistant Professor, is doing minor research on ‘Supplementary Effect of Pumpkin Seed on Memory Function in Animal and Human Models’ in the year 2014-2016.
6	Megha Thampy , Assistant Professor, is doing minor research on ‘Reflection of Anti Oxidant Power and Physiochemical Characteristics of Bamboo Sprouts in Different Cooking Methods’ in the year 2014-2016.
7	Sr.Dr. Rosily A.V. , Assistant Professor, is doing minor research on ‘Nutrient Dynamics In Mangrove Ecosystems of Tropical Cochin Estuary’ during 2014-2016.

- Ms. Rinu K. Louis was awarded M.Phil. from Sree Sankaracharya University of Sanskrit, Kalady in 2015.
- Dr. Teji K.T. has applied for funding of Rs. 33 Lakhs from KSCSTE for a major project entitled ‘Seed Production and Development of Conservation Strategies of Indigenous Food and Ornamental Fishes of Ernakulam District’.

3.1.6 Give details of workshops/ training programmes/ sensitization programmes conducted/organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.

Workshops and hands on training in various research techniques and methods are organised to expand the knowledge base of teachers and students and also to sensitize the staff and the students about the goals and objectives of the institution.

Home Science

- UGC sponsored State level seminar on Health IQ- an Innovative Approach through Yoga and Nutrition, 26- 27 October 2010.
- UGC sponsored National seminar on Life Style Diseases in Sustainable Development Perspective, 26 - 27 August 2011.
- International workshop on Ikebana and Paper Folding, 10 September 2012.
- UGC sponsored National seminar on Burn Out Syndrome- Prevention and Coping Strategies, 16- 17 August 2013.

- Entrepreneurial skill development programme on Food Processing, (MSME) 11- 24 September 2013.
- UGC sponsored National seminar on Traditional Foods-A key to Comprehensive Health and Longevity, 7 - 8 August 2014.
- UGC sponsored National Seminar on Sustainable Health and Wellness-Issues and challenges, 12- 13, August 2015.
- International Seminar on Overseas Education and its Prospects, 22 February 2016.

Zoology

- Seminar on Environmental Conservation, 6 August 2010.
- UGC sponsored State level seminar on Conservation of Environment and Eco-friendly Management of Domestic Waste - a Sustainable Approach, 11- 12 August 2010.
- Seminar on Conservation and Management of Waste Land of Kerala, 9 August 2011.
- UGC sponsored National seminar on Biotechnology - a Tool for Sustainable Environmental Conservation, 11- 12 August 2011.
- Seminar cum practical sessions based on Bio Informatics syllabus, 17- 21 February 2012.
- UGC sponsored National seminar on Life Style Diseases– An Emerging Issue, 16 -17 August 2012.
- Seminar cum practical sessions based on Bio informatics syllabus, 8-9 March 2013.
- Seminar on Conservation of River Periyar, 17 July 2013.
- UGC National Seminar on Climate Change Scenario: Threats and Potential Impacts on Ecosystem, 30 -31 July 2013.
- Seminar on Fresh Water Fishes of Kerala, 23 August 2014
- Lecture on Bhopal Gas Tragedy, 27 October 2014.
- Lecture on Stem Cell Therapy, 31 July 2015.

Economics

- UGC sponsored National seminar on Sustainable Development: Issues and Challenges with Special Reference to Environment, 29 - 30 July 2010.
- UGC sponsored seminar cum workshop conducted under Equal Opportunity Programme, 22-23 February 2011.
- An awareness class on Banking and Saving Habits among Students, 13 June 2011.
- UGC sponsored State level seminar on Education and Women Empowerment, 28-29 July 2011.
- International seminar on Global Economy and Environmental Sustainability, 23 -24 February 2012.
- UGC sponsored National seminar on Changing Status of Women in India: Its Issues and Challenges, 25 -26 July 2013.

- Seminar on Scope and Possibilities of Overseas, 12 December 2013
- UGC sponsored National seminar on Environmental Degradation: A Threat to India's Economic Development, 24 -25 July 2014.
- An International Cultural Interaction programme- Cultura, 20 February 2015.
- UGC sponsored National seminar on Inclusive Growth and Development in the Indian Context, 23 - 24 July 2015.
- Lecture on Consumer Protection Rights, 19 January 2016.
- Seminar on Women and Banking, 22 January 2016.

Chemistry

- Workshop on Computers in Chemistry, 6 March 2011.
- Workshop on Soil Analysis, 9 August 2011.
- Seminar in connection with IYC-2011, 24 August 2011.
- Workshop on Micro Scale Techniques in Chemical Analysis, 27 July 2012.
- UGC sponsored National seminar on Green Chemistry and Environmental Conservation, 18 - 19 July 2013.
- Lecture on Traps of Modern Technology, 6 February 2014.
- Lecture on Plastics: Bane or Boon, 11 August 2014.
- KSCSTE seminar on 30 Years of Healing Ozone Together, 15 September 2015.
- KSCSTE seminar on Observation of World Wetlands Day, 2 February 2016.
- 'Ozone Day 2016' was observed on 24 September 2016 with the financial assistance from KSCSTE.

Physics

- UGC sponsored State level seminar on Electronic Instrumentation, 20-21 July 2011.
- Lecture on Expanding Universe, 5 January 2015.
- Celebrated International Year of Light VISMITI-2015 on 4-5 December 2015.
- Seminar on Energy Conservation and Climate Change, 11th December 2015.
- KSCSTE/ DST seminar on National Science Day, 19 February 2016.
- KSCSTE seminar on World Environment Day, 14 June 2016.

Commerce

- Seminar presentation on Retail Marketing and Wholesale Marketing, 27 July 2015.
- Lecture on 'Innovations in Banking and Financial Services' on 13 August 2015.

- Lecture on Dynamic Linkage between Emerging and Developed Stock Market, 9 February 2016.

English

- Lecture on De-Canonizing English Literature, 2 April 2016.

3.1.7 Provide details of prioritized research areas and the expertise available with the institution.

- **Home Science:** Nutrition and Dietetics, Food Science, Child Development, Family Resource Management and Interior Decoration, Textiles and Clothing.
- **Physics:** Nanoparticles, Astrophysics, Optoelectronics, Solid State Physics etc.
- **Chemistry:** Quantitative Analysis of Spices, Water Analysis and Synthesis of Nanoparticles etc.
- **Zoology:** Fisheries, Fishery Biology and Toxicology.
- **Economics:** Environmental Economics, Agricultural Economics, Health Economics, Waste Management and other topics of current /social relevance.

Table 3.4: Prioritized Research Areas of Faculty Members

Sl. No.	Name of Faculty	Area	Department
1.	Dr.Lizmitha Godwin	Family Resource Management, Child Development and Nutrition	Home Science
2.	Sr.Dr.Shemi George	Nutrition, Functional Foods, Nutraeuticals, Food Science	Home Science
3.	Sr. Dr.Alphonsa M.K.	Environmental Biology	Zoology
4.	Dr. Teji K.T.	Fisheries	Zoology
5.	Sr. Dr.Ciji P.P.	Toxicology	Zoology
6.	Sr. Dr.Philo T.J.	Biotechnology	Botany
7.	Dr.Laisa Thomas	Demography	Economics
8.	Dr.Resmi G.	Eco Tourism	Economics
9.	Sr. Dr. Rosily A.V.	Environmental Chemistry	Chemistry
10.	Dr. Beena George	Applied Mathematics	Mathematics
11.	Sr. Dr.Gisha Joseph	Novel	Hindi
12.	Sr. Dr.Jessy K.P.	Novel	Malayalam

3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

The hospitality of the college is very good and it invites eminent

persons as resource persons for talks and seminars. The institution organizes maximum number of talks in various disciplines. This in turn helps in developing research aptitude in students. The names of eminent personalities who have visited the college in the post re-accreditation period are furnished below:

Table 3.5: Eminent Personalities who Visited the College

Sl. No.	Name	Designation	Date
CHEMISTRY			
1	Dr.Sreekala M. S.	Associate Professor, Dept. of Chemistry, Sree Sankara College, Kalady	30-09-2010
2.	Ambily Pramitha	Lecturer, DIST	03-12-2010 04-12-2010
3.	Jibi Varghese	Associate Professor, FISAT	19-01-2011
4.	Dr. Beena V. I.	Associate Professor, Mannuthy College of Horticulture	09-08-2011
5.	Dr.Visveswaram S.	Associate Professor, Mannuthy College of Horticulture	09-08-2011
6.	Dr. Bindhu P. S.	Associate Professor, Mannuthy College of Horticulture	09-08-2011
7.	Prof. M. L. Paul	Associate Professor, M.A. College of Engineering, Kothamangalam	24-08-2011
8.	Dr. P .V. Joseph	Associate Professor, Department of Chemistry, Maharaja's College, Ernakulam	22-02-2012
9	Dr. S. Murugan	Associate Professor, H.O.D S.T Hindu college, Nagarcoil	27-07-2012
10	Dr. Newton Luiz	Consultant Pediatrician, Dhanya Hospital, Potta	18-01-2013
11	Eapen Ninan	Assistant Manager, AKAY Flavours & Aromatica, Aluva	18-07-2013
12	Dr.N.Chandramohanakumar	Associate Professor, Chemical Oceanography, CUSAT	18-07-2013
13	Dr.I.M.Krishna Kumar	General Manager, AKAY Flavours & Aromatica, Aluva	18-07-2013

14	Dr.Joshy V. Cherian	Environmental Scientist Coimbatore Omega Ecotech Product India Pvt.Ltd.	19-07-2013
15	Dr.Susila Kuruvilla	Associate Professor, St Joseph's College, Alapuzha	19-07-2013
16	Dr.Rinu Susan Raju	Clinical Psychologist	06-02-2014
17	Dr.Sunil Narayanan Kutty	Associate Professor, Dept. of Polymer Science and Technology, CUSAT	06-08-2014
18	Dr.Cyriac Mathew	Associate Professor, H.O.D of Chemistry, St. Albert's College, Ernakulam	10-11-2014 14-11-2014
19	Dr.Sivanandan Achari,	Associate Professor, School of Environmental Studies, CUSAT.	15-09-2015
20	Dr. P. V. Joseph	Associate Professor, Dept. of Chemistry, Maharaja's College, Ernakulam	02-02-2016
ZOOLOGY			
21	Dr. Shaju Thomas	Reader and Head, Department of Zoology, Nirmala College, Muvatupuzha	06-08-2010
22	Dr.K.Gopakumar	Former Deputy Director General, Indian Council of Agricultural Research, New Delhi	11-08-2010
23	Dr.M. Balasundaram	Scientist & Head, Genetics and Biotechnology Division (Retd.) KFRI , Peechi, Thrissur	11-08-2010
24	Dr.Sushama P.K.	Professor, College of Horticulture, Agricultural University, Kerala	12-08-2010
25	Dr.John K.Thomas	Reader, Dept. of Zoology, Christ College, Irinjalakuda	11-08-2010
26	Dr. S. Sreekumar	Associate Professor Christ College ,Irinjalakuda	09-08-2011
27	Dr.Thomas Philip	Associate. Professor & H.O.D of Zoology,U C College, Aluva	11-08-2011
28	Dr.K.K. Sabu	Scientist, Biotechnology and Bioinformatics division, TBGRI, Palode.	11-08-2011
29	Dr. G Saritha Bhat	Associate Professor and H.O.D, School of Biotechnology, CUSAT	11-08-2011
30	Dr. Venkitchalam	Principal Scientist, Dept. of Biotechnology, Periyar University,	12-08-2011

		Salem.	
31	Dr. Bala-sundaram	Head of Environmental Biotechnology Division, Tropical institute of Ecological Sciences, Kottayam.	12 -08-2011
32	Dr.T.V Sajeew	Scientist KFRI, Peechi, Thrissur	12 -08-2011
33	Dr. Prisho Paul	Tutor, P.G Dept. of Bio informatics, U.C.College, Aluva	17 to 21-02-2012
34	Dr. Tomy Paul Kalapparambil	Professor, Department of Radiology, Michigan state University, Michigan, USA.	16-08-2012
35	Dr. Raju Antony	H.O.D, Community Medicine, Sree Narayana Institute of Medical Science,Chalacka	16 -08-2012
36	Dr Joe Thomas	Associate Professor,Community Medicine, Sree Narayana Institute of Medical Science,Chalacka	16 -08-2012
37	Dr.Sheeba Varghese	Assistant Professor, Dept. of Physiology. Sree Narayana Institute of Medical Science, Chalacka	16 -08-2012
38	Dr. Suchanda Sahu M.D	H.O.D,Biochemistry,Sree Narayana Institute of Medical Science, Chalacka	17 -08-2012
39	Dr.P.Gopala Krishnan MPH	Associate Professor, Community Medicine, Sree Narayana Institute of Medical Science, Chalacka	17-0 8-2012
40	Dr.Jaideep C. Menon M.D,D.M.,	Cardiologist, Assistant Professor SNIMS,Chalacka	17 -08-2012
41	Dr.Unni krishnan V.	Doctor, Homeopathic medicine	17 -08-2012
42	Dr. Prisho Paul	Tutor, P G Dept. of Bio informatics, U.C.College, Aluva	08-03-2013 09-03-2013
43	Dr. Latha Ananda	Director, River Research Centre, Thrissur	17-07-2013
44	Dr.S. Sreekumar	Associate Professor, Dept. of Geology & Environmental Science,ChristCollege, Irinjalakuda	30-07-2013
45	Dr.D. Prema	SeniorScientist, Fishery Environment Management Division, CMFRI, Kochi	30-07-2013
46	Dr . V.	Scientist, Molluscan Fisheries	30-07-2013

	Venkatesan	Division, CMFRI, Kochi	
47	Dr.R. Jyothibabu	Scientist CSIR, National Institute of Oceanography, Regional Centre	31-07-2013
48	Dr.George Thomas	Associate Professor, College of Horticulture, KAU, Thrissur	31-07-2013
49	Dr.Jiss K. Varkey	IFS, Dept.of forest management and utilization	31-07-2013
50	Dr.Shaji.C.P.	Scientist, KFRI Peechi	23-08-2014
51	Sri.N.D. Jayaprakash	Joint Secretary and Joint Convener of Science forum, Delhi and Bhopal Gas Peedit Sangharsh Sahyog Samithi	27-10-2014
52	Dr. Roselin Alex	Associate Professor, Dept of Botany, St. Joseph's College, Irinjalakuda	31-07-2015
53	Dr.P. Prameela	Associate Professor, College of Horticulture, KAU, Vellanikkara	30-07-2016
ECONOMICS			
54	T.K.Thomas	DYSP, CBCID	29-07-2010
55	Fatima Babu	Professor and H.O.D of English, St. Mary's College. Tuticorin	29-07-2010
56	Dr.Nirmala Padmanabhan	Associate Professor, Department of Economics, St.Teresa's College, Ernakulam	30-07-2010
57	K.V.Francis	Commercial Manager, Kerala State Bamboo Corporation	30-07-2010
58	Prof. P.N. Suresh	Former Principal, S.N.M. College, Maliankara	28-07-2011
59	Prof.Philomina K.P.	Former Head, Department of Economics, Alphonsa College, Pala	28-07-2011
60	Dr. K.K. John	Head, Department of Economics, St. Thomas College, Pala	28-07-2011
61	Prof.Abraham K.C.	Former Head, Department of Economics, S.H.College, Thevara	08-08-2011
62	Dr.Luismiguel Romero Fernandez	Former Vice –Chancellor, Technical University of Loja & Permanent Ambassador, Ecuador	23-07-2012
63	Dr.M.C. Dileep Kumar	Member Syndicate, Mahatma Gandhi University, Kottayam	24-07-2012
64	Dr.Francis Cherunilam	Professor, School of Management Studies, Cochin University of Science & Technology, Kalamassery	24-07-2012
65	Dr.P.K.	Former Vice-Chancellor,	25-07-2013

	Michael Tharakan	Kannur University	
66	Dr.P.S. Mohan Kumar	Professor, D.C.School of Management & Technology, Trivandrum	26-07-2013
67	Dr.Sheeba V.T.	Assistant Professor, NSS College, Changanassery	24-07-2014
68	Dr.S.Muralee dharan	Former Professor, Maharaja's College, Ernakulam	25-07-2014
69	Dr.K.Poulose Jacob	Pro Vice Chancellor, CUSAT Kalamassery	23-07-2015
70	N.Sadasiv	Prime Minister's Rural development Fellow, MORD, Govt. of India	23-07-2015
71	Dr.N.Ajith Kumar	Former Head, Department of Economics, The Cochin College, Kochi	23-07-2015
72	Dr.Celinkutty Mathew	Head, Department of Economics, Newman College, Thodupuzha	23-07-2015
73	Shaju Antony	Federal bank, Nedumbassery	22-01-2016
74	Prince Thekkan	State President, Consumer Protection Form, Kerala	19-01-2016
75	Linda Mary Matley	Governor of School, London	02-03-2016
PHYSICS			
76	Dr.S. Sankara raman,	Associate Professor, Nirmala College, Muvattupuzha	14-07-2011
77	Dr. Jacob Philip	Professor & Director, STIC CUSAT	20-07-2011
78	Dr. Thresiamma George	Associate Professor, Department of Chemistry, Nirmala College, Muvattupuzha	20-07-2011
79	Dr. Philip K.A.	Associate Professor, Newman College, Thodupuzha	21-07-2011
80	Prof. Baby George	Associate Professor, Newman College, Thodupuzha	21-07-2011
81	Dr.Thomas Varghese	Associate Professor, Nirmala College, Muvattupuzha	21-07-2011
82	Dr.T.R. Ananthakrishnan	Visiting Faculty, International School of Photonics, CUSAT	08-12-2012
83	C.R. Savithri	H.O.D of Mathematics, St. Xavier's	08-12-2012

		College for Women, Aluva	
84	Prof.Jacob Thaliyan	H.O.D of Computer Science , DiST Angamaly	17-11-2014
85	Dr. N. Shaji	Associate Professor, Dept. of Physics, Maharajas College, Ernakulam	05-01-2015
86	Dr. E.I Anila	Associate Professor, Dept. of Physics, Union Christian College, Aluva	12-08-2015
87	Dr. Jiju P U	Department of Physics, Maharajas College, Ernakulam	05-12-2015
88	Prof.P.K. Raveendran	Former Principal, Maharajas College, Ernakulam	11-12-2015
89	Dr. Vinod G.	H.O.D of Physics, SreeSankara College, Kalady	19-02-2016
90	Dr. T.V. Sajeev	Head of Forest Health, KFRI, Thrissur	14-06-2016
HOME SCIENCE			
91	Dr. Jose Joseph	Professor and Head, Department of Community Medicine, Medical College, Kottayam	26-10-2010
92	Dr. R. S. Sindhu	St.Joseph's College, Kozhencherry	26-10-2010
93	Toms Abraham	Director, Yuvatha School of Yoga, Kumarakom.	27-10-2010
94	Dr.Shyam Mukundan	M.D.Medicine, LIMSAR, Angamaly	26-8-2011
95	Dipti Thombare	Nutritionist, British Biological, Bangalore	26-8-2011
96	Sindhu S.	Chief Dietitian,Medical Trust Hospital,Ernakulam	27-8-2011
97	Dr.J.K.Mukkadam	Principal, LIMSAR, Angamaly	26-8-2011
98	Dr.Newton Luiz	DhanyaMission Hospital, Potta, Chalakkudy	02-8-2013
99	Dr.K.S. Kumari	Director, Community College, Pondicherry Central University, Puducherry-8	16-8-2013
100	C.P.Wilson	Sr.Manager, (Safety), Binani Zinc Limited, Binanipuram, Cochin	17-8-2013
101	Dr.Sunny Orathael	Assistant Professor of Medicine, Cochin Medical College,	17-8-2013

		Kalamassery.	
102	Dr.S. Kowsalya,	Professor, Dept of Food Science and Nutrition, Avinashilingam Deemed University, Coimbatore	17-8-2013
103	Dr.P.Nazni	Associate Professor, Department of Food Science and Nutrition, Periyar University, Salem	7-8-2014
104	Dr.Shilpa Jose	Assistant Professor in Home Science, St.Teresas College, Ernakulam	7-8-2014
105	Dr.Sarala Samuel	Head, Research and Development, Kerala Ayurveda Ltd. Athani, Aluva	8-8-2014
106	Dr.Manjula V. D.	Assistant Professor in Community Medicine, Government Medical College, Kottayam	8-8-2014
107	Dr.M.Suresh Kumar	Senior Medical Officer, Cochin Port Trust Hospital	8-8-2014
108	Meena Koshy	Asst. Director of Agriculture, Govt. Coconut Nursery, Vyttila, Cochin	8-8-2014
109	Dr.V.Saradha Ramadas	Professor, Department of Food Service Management and Dietetics, Avinashilingam Deemed University, Coimbatore	12-8-2015
110	Dr.Mumtaz Khalid Ismail	Consultant Clinical Nutritionist Total Nutrition, Kochi	12-8-2015
111	Dr.Vivek Ullatil	Psychiatrist, RenaiMedicity, Palarivattom	12-8-2015
112	Dr.Joseph Manoj	IMA President ,Cochin Chapter	12-8-2015
113	Dr.C. Pandiyan	Associate Professor, Department of Livestock Products Technology(DairyScience), Veterinary College and Research Institute, Namakkal 637 002	13-8-2015
114	Manju.P. George	Chief Dietitian, Lourdes Hospital, Ernakulam	13-8-2015
115	Dr.Leena Leon	Assistant Professor in Department of Home Science, St.Teresa's College, Ernakulam	13-8-2015
116	Dr.Abraham Varghese	IMA, Vice President, Kerala Chapter	13-8-2015
117	Laly Jacob	Head of Medical and Surgical	10-2-2016

		Department & Fundamental Nursing, Little Flower Hospital	
118	Anna Soboleva	Educational consultant, Lincoln University, New Zealand	22-2-2016
COMMERCE			
119	Dr.Sybila Pius	Former Head, Department of Commerce, St. Xavier's College, Aluva	27-7-2015
120	Arun P.D.	HDFC Securities Life, Thrissur	09-2-2016
ENGLISH			
121	Dr. Beena Job	Assistant Professor, Department of English, St.Teresa's College, Ernakulam	17-8-2015
122	Prof.Leelamma John	Former Head, Department of English, Morning Star College, Angamaly	15-2-2016
123	Dr.Sonia James	Assistant Professor, Department of English, St. Peter's College, Kolencherry	02-4-2016

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

Sabbatical leave helps the faculty who are involved in research and higher studies. But this facility has not been given to the college teachers in Kerala.

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/ advocating /transfer of relative findings of research of the institution and elsewhere to students and community (lab to land)

- The research projects of undergraduate and post graduate students are kept in the department library for future reference.
- The research presentations made in conferences and seminars organised by the institution are published in the proceedings of seminars.
- As a part of the minor research project, Dr. Lizmitha Godwin, published a booklet on 'Energy Saving Hay Box' with ISBN number (9788172550691) for the use of the community.
- Students are motivated to take up projects with community relevance and to create awareness through booklets and pamphlets.
- The college encourages the teachers to do research projects and to publish their research findings.
- The faculty publish research papers in international and national journals.
- The biannual international journal, Star Research Reach, with ISSN No.

(0975-5101) published by the Department of Home Science, is a platform for the faculty and the students to publish their research findings.

- The Research Committee also takes initiative to create awareness regarding research among faculty and students.
- The Department of Chemistry published a Lab Manual for the benefit of the students.

3.2 Resource Mobilization for Research

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

The college is a Government aided affiliated college and depends largely on UGC funding to carry out research works. The Management provides all support and encouragement for research activities. Financial assistance from the management has been utilised for creating infrastructure and research facilities. The major heads of expenditure are: Research Equipment and Instruments, Instrumentation Maintenance Facility, Construction/Extension/Renovation of building, Improvement of Existing Facilities, Educational Innovation, Increasing number of books in library, Consumables and Contingencies.

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?

The college has no provision for providing seed money to the faculty for research since there is no internal budgeting process. The college has undertaken several Minor Research Projects with the help of UGC. As and when the projects are sanctioned, UGC releases about 80 percent of the sanctioned fund, which is immediately handed over to the Principal Investigators.

3.2.3 What are the financial provisions made available to support student research projects by students?

The final year students are motivated to take up research oriented projects. The college arranges for student researchers facilities including library, digital library, online journal access and internet facilities. The students make use of college laboratory facilities for completing their project works.

- The Department of Chemistry has obtained sanction for two student projects from KSCSTE.

- Rene Jose Cherian – ‘Determination of Hydrographic Parametres in Mangrove System of Tropical Cochin Estuary’.
- Divya Paul-‘Preparation of Organic Compounds Using Green Chemistry Methods and Comparing Yield and Atom Economy with Conventional Synthesis.’
- The Department of Zoology has also obtained sanction for two student projects from KSCSTE.
 - Ayana Paul- ‘Efficacy of Selected Bio Chemicals in Mosquito Management.’
 - Flower Varghese- ‘Bactericidal Activity of Nutmeg Pericarp’.

3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

The students take up projects that are interdisciplinary in nature. The students of the Departments of Home Science and Zoology have taken up projects that require the use of the laboratory equipment in Chemistry labs. The students of Home Science have also taken up projects which are related to Physical Education, on the topic pertaining to yoga. The staff members of the concerned departments help the students in completing the respective part of the research. Zoology students have utilised the laboratory facilities of Home Science and Chemistry. Statistical analysis is done for the different PG project works by the faculty of the Department of Mathematics.

Table 3.6: Interdisciplinary Research Activities

Project	Departments involved		Staff members involved
	Major Dept.	Related Dept.	
Food quality awareness and quality assessment of fruit juices and drinking water.	Home Science	Zoology & Chemistry	Sr. Mary Joe & Ms. Lalitha A.V.
A study on Preference for Naturally Dyed Products Made with Eco-friendly Jute Fabric Among Adolescent Girls.	Home Science	Chemistry	Ms.Lalitha A.V.
Survey on 1. Waste Management 2. Library Usage	Economics	Library	Dr.LaisaThomas Dr.Resmi G. Sr.Pushpa CSN

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

For the project works which are interdisciplinary in nature, the students from one department utilize the lab facilities of the other departments. For example, the students of M.Sc. Physics utilize the equipment from the Department of Chemistry. The students of Zoology utilize lab equipment of the Department of Home Science. The faculty also utilise the laboratory facilities for carrying out their minor research projects. The General Library, reprographic facilities, internet facility, INFLIBNET, digital library, softwares etc. are utilised by both staff and students. WIFI is available throughout the college. Need based repairs and maintenance of equipment is carried out by the technical staff. The Computer Centre, Audio-Visual Room and Language Lab are made available to all the staff and students in the college.

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'yes' give details.

Yes, the institution has received funds from the UGC for developing the infrastructure and facilities in the campus. Kerala State Council for Science Technology and Environment has funded for seminars by the departments of Physics, Zoology and Chemistry.

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.

- The Research committee informs the faculty regarding research opportunities.
- The Management encourages the faculty to avail funds from various funding agencies.
- The IQAC also informs the faculty of UGC project proposals.

Table 3.7: Faculty with Completed/Ongoing Minor Research Projects

Principal Investigator and the Title of the Project	Department	Funding Agency	Allotted Amount
Dr. Ancy Thomas Silk Dyeing Using Onion Peel Extracts(Completed)	Home Science	UGC	2,00,000
Dr. Laisa Thomas Fertility Decisions and its Demographic Impact on the Kerala Family (Completed)	Economics	UGC	1,10,000
Dr. Lizmitha Godwin Development of Education Module on Eco-friendly Energy Conservation Indigenous Equipment- Hay Box	Home Science	UGC	1,52,500

Dr.Sr. Shemi George Supplementary Effect of Pumpkin Seed on Memory Function in Animal and Human Models	Home Science	UGC	1,25,900
Ms. Megha Thampy Reflection of Anti Oxidant Power and Physiochemical Characteristics of Bamboo Sprouts in Different Cooking Methods	Home Science	UGC	74,000
Dr. Sr. Rosily A.V. 'Nutrient Dynamics in Mangrove Ecosystems of Tropical Cochin Estuary'	Chemistry	UGC	1,80,000

3.3 Research Facilities

3.3.1 What are the research facilities available to the students and research scholars within the campus?

The research facilities made available to the students and the research scholars are:

- A full furnished Computer Centre with internet, printer and photocopier.
- The Central Library is digitalized and has membership in the NLIST consortium of INFLIBNET facility to access e-journals.
- Besides the Central Library, each department has department library which helps the students and the faculty to do reference.
- All departments have internet facility.
- Well equipped laboratory facilities in science departments.
- Dietary Counselling Centre
- Food & Nutrition Lab
- Textiles & Clothing Lab
- Bio-Chemistry Lab.
- Projects of UG and dissertations of PG are kept in the department library for reference.

3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

The IQAC and the Research Committee functioning in the college develop and promote research culture among the faculty and the students. The Research Committee provides a platform for the research scholars to present their research work prior to the open defence. The committee, with the support of the IQAC, intimates the notification regarding minor research projects and

seminar proposals. The IQAC and the Research Committee recommended to start Research Centre and M. Phil. Course in the Department of Home Science and the process is going on.

3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If 'yes', what are the instruments / facilities created during the last four years.

The institution has received grants from UGC. The instruments purchased in the last four years are:

Table 3.8: Instruments/Facilities Developed for Research.

Department	Instruments/Facilities
Zoology	Spectrophotometer, Laminar flow, Water analyzer, Ultracentrifuge, Colorimeter, Microtome, Kymograph, Autoclave, Digital camera with Binocular Microscope, Photomicroscope, Shaker, Electronic weighing balance, Incubator, Hot air oven, Compound light microscopes Haemocytometer, Haemoglobinometer, Stage and Ocular micrometer, Plankton chamber , Compound light microscopes, PH meter, Electrophoretic Unit
Home Science	Autoclave, Ash muffler, Centrifuge, Weighing Balance Electronic, Zolliner Analyser, Distance Analyser, Usha Lock stitch machine, Glucometer, Sphygmomanometer, Haemometer, Haemocytometer, Microscope, Digital 8 filler Calorimeter, Fully Automatic BP monitor, Stethoscope ,Centrifuge, Weighing Balance, Bomb Calorimeter, Distill water unit, Water bath, Refractometer, Lactometer, Singer Lock stitch, Juki Industrial Lock Stitch Machine
Physics	CRO, Lasers, Function Generators, Power Supply, Microprocessors.
Chemistry	Deep Freezer, Distillation apparatus, Potentiometers, Conductometers, Mechanical Shaker, Refractometer , Microwave oven , Hot air oven, Colorimeter, Electronic balances, Water bath, Magnetic stirrer , pH meter, Vacuum suction pump, Melting point apparatus, Heating furnaces, Centrifuge

3.3.4 What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?

The students and the research scholars of other institutions can make use of the college library facilities and lab facilities for their projects and

research works. The research scholars of other institutions are intimated of the national seminar conducted in this college and they are given opportunity to present their research papers in seminars and conferences.

3.3.5 Provide details on the library/ information resource center or any other facilities available specifically for the researchers?

- A good digitized Central Library is functioning in the college.
- All departments have good library facility which satisfies the needs of the students and the faculty.
- Wi Fi facilities, internet and INFLIBNET facilities are available to all the students and the research scholars.
- A well furnished Computer Centre is functioning in the college where printing and photostat copies can be made.
- The Central Library as well as the Department Libraries has the collection of previous projects and dissertations done by the students.
- A well furnished Audio Visual Room (Angelica Theatre) is also functioning in the college.

3.3.6 What are the collaborative research facilities developed/ created by the research institutes in the college? For ex. Laboratories, library, instruments, computers, new technology etc.

- The interdisciplinary journal published by the Department of Home Science biannually (Star Research Reach), serve as a good source of interdisciplinary research information for the academic community.
- The various journals available in the Library help the researchers.

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the staff and students in terms of

- * **Patents obtained and filed (process and product):** Nil
- * **Original research contributing to product improvement**
- * **Research studies or surveys benefiting the community or improving the services**
 - The NSS unit of our college has adopted Ward VII of Nedumbassery Panchayat and conducted a socio-economic survey.
 - The Department of Economics offers a Certificate Course in Research Methodology and it is mandatory to conduct one survey as part of study.
- * **Research inputs contributing to new initiatives and social development**

The topics selected by the faculty for minor research projects are of great social relevance.

- Dr. Ancy Thomas - 'Silk Dyeing Using Onion Peel Extracts'.

- Dr. Thresiakutty K.M.- A study on ‘Rejuvenation of Distressed Traditional Industries of Kerala with Special Reference to Bamboo Industry’. Most of the labourers in Kalady, a place near to our college, is working in Bamboo plantation to carry on their livelihood.
- Dr. Laisa Thomas - ‘The Impact of Small Family Norms and Fertility Decisions on the Kerala Family’.
- Dr. Lizmitha Godwin - ‘The Eco-Friendly Energy Conservation using Indigenous Equipment-Hay Box’.
- Sr.Dr.Shemi George- ‘The Effect of Pumpkin Seed on Memory Function’.
- Megha Thampy- ‘Reflection of Anti Oxidant Power and Physiochemical Characteristics of Bamboo Sprouts in Different Cooking Methods’.
- Sr. Dr. Rosily A.V.- ‘Nutrient Dynamics in Mangrove Ecosystems of Tropical Cochin Estuary’.

3.4.2 Does the Institute publish or partner in publication of research journal(s)? If ‘yes’, indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

Yes, the Department of Home Science publishes an international journal ‘Star Research Reach’ with ISSN: 0975-5101 since December 2009. The editorial board comprises of the Principal as the Chief Editor and the Head of the Department as Editor. The faculty members of the department are co-editors. The editorial board comprises of three overseas editors and four peer reviewers. The publication policy includes:

- The journal is published biannually- in June and December.
- It is inter-intra disciplinary peer reviewed international journal.
- All published works can be attributed to one or more authors.
- Only work that has not been published elsewhere will be considered for publication.

3.4.3 Give details of publications by the faculty and students: Number of publications listed in International Database (for Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):

Table 3.9: Details of Publications.

Number of papers published by faculty and students in peer reviewed journals (national / international)	49
Papers published by students in peer reviewed journals (national/international) and seminar proceedings	62
Chapter in Books (faculty)	12
Chapter in Books (students)	32
Books Edited by Faculty	13
Books with ISBN/ISSN numbers with details of publishers	6

Monographs Published by Faculty	3
Books Published by Faculty without ISBN	9
Citation Index	26
h-index	1
Database	1

Table 3.10: List of articles/papers published by the faculty in State, National and International Journals.

DEPARTMENT OF HOME SCIENCE	
1	Dr. Ancy Thomas “Developing Antimicrobial Apparels”, Star Research Reach, Vol.1 No: 2, Pp: 5-21, June 2010.
2	Sr.Dr. Shemi George “Effect of Amla Extract on Hypercholesterolemia Subject” Star Research Reach, Vol.1. No. 2, P No-60-69 0975-5101, June 2010.
3	Dr. Ancy Thomas “Application of Geo Synthetic Technology for Erosion. Control in the Steep Slopes”, Star Research Reach, Vol.3. No.1, Pp: 14-23, 2011.
4	Dr. Ancy Thomas “A Study on Lipid Profile of Industrial Workers and Standardizing Company Canteen Menu”, Star Research Reach, Vol.3 No.1, Pp: 28-48, 2011.
5	Dr. Ancy Thomas “Dying of Silk and Cotton with Red Onion-A Comparative Study”, Star Research Reach, Vol.3. No.2, Pp: 26-37, 2011.
6	Dr. Ancy Thomas “Study on Colour Base of Complexion”, Star Research Reach, Vol.3. No.2, Pp: 52-61, December 2011.
7	Dr. Ancy Thomas “Influence of Dress on Behavioral Pattern of Children”, Star Research Reach, Vol.4. No.2, Pp: 34-45, December 2012.
8	Dr. Ancy Thomas “A Study on Role of Advertisement on Behavior Pattern of People”, Star Research Reach, Vol.4. No. 1, Pp: 12-20, June 2012.
9	Dr. Ancy Thomas “Dress code for a Healthy Life Style-Ayurvasthra” Star Research Reach, Vol.4. No. 1, Pp: 37-42, June 2012.
10	Dr. Ancy Thomas “Autism”, Star Research Reach, Vol.4. No. 1, Pp: 43-47, June 2012.
11	Sr.Dr. Shemi George “Optimization of Autoclave Pumpkin Seed Bread Using Response Surface”, Elixir Food Science, 2012. (45), 7774-7780-2229-712X, 2012.
12	Sr.Dr. Shemi George “Formulation and Optimization of Functional Bread by Employing Response Surface Methodology”, International Journal of Current Research, 4(06) (2012).008-0140975-833X.June, 2012.
13	Sr.Dr. Shemi George “Antidepressive Activity of Processed Pumpkin (Cucurbita maxima) Seeds on Rats”, International Journal of Pharmacy

	Medicine & Biological Sciences, (2). 2012. 1-72278-5221, October 2012.
14	Dr. Lizmitha Godwin “Health Status of Women Residing in Slums”, Star Research Reach, Vol.5. No.1, Pp: 36-40. 0975-5101, December 2013.
15	Megha Thampy “Breast Cancer Diagnosis and Its Treatment-A Review”, Star Research Reach, Vol.5 No.1: 61 -710975-5101, December 2013.
16	Dr. Ancy Thomas “A Transitional State in a Dynamic Process, Physical Frailty and Loss of Functional Independence (Case Study)”, Star Research Reach, Vol.4. No.2, Pp: 11-14, December 2014.
17	Dr. Lizmitha Godwin “Abdominal Obesity Among Women Residing in Urban Slums”, Star Research Reach, Vol.6. No1, ISSN: 0975-5101, June 2014.
18	Dr. Lizmitha Godwin “A Study on Accessories and Colour Scheme in Modern Interiors”, Star Research Reach, Vol.6. No1, ISSN: 0975-5101, June 2014.
19	Dr. Lizmitha Godwin “Prevalence of Goiter Among Women in Kochi” Star Research Reach, Vol.6. No. 2, ISSN: 0975-5101, December 2014.
20	Sr.Dr. Shemi George “Prevalence of Obesity and Food Consumption Pattern Among School Going Children,”Star Research Reach, Vol.6. No. 1, 41-480975-5101, June 2014.
21	T. R. Rajani Devi “Standardisation of Body Measurements of Toddlers”, Star Research Reach, Vol.6. No.2. Pp: 1-5, ISSN: 0975-5101, December 2014.
22	Sr.Dr. Shemi George “A Study on Effect of Pumpkin Seed on Memory Function of School Going Children”, Star Research Reach, Vol.7. No 2, 68--770975-5101, December 2015.
23	Sr.Dr. Shemi George “A study on Antihelmintic Effect of the Selected Vegetables” Int. J. Cur. Tr. Res (2015)4 (1):94-972278-8042,December 2015.
24	Dr. Lizmitha Godwin “Hay Box: A Study on Economy Cooking” Star Research Reach, Vol.7. No. 2, December 2015.
25	Dr. Lizmitha Godwin , “Hay box: Community Based Education” Star Research Reach, Vol.8. No. 1, June 2016.
26	T. R. Rajani Devi “Antimicrobial Finishing of Textiles” Star Research Reach, Vol.8. No.1, June 2016.
27	Dr. Lizmitha Godwin “Soft Drinks and Snacks Usage Among Adolescent Girls” International Journal of Home Science, Sep-Dec 2016, Vol: 2, Issue: 3 Part D, P:208-210Impact factor 5.3, ISSN: 2395-7476.
28	Dr. Lizmitha Godwin , “Hay Box – Community Based Education” Star Research Reach, Vol.8 No: 1, June 2016, P: 113-119, ISSN: 0975 5101.
DEPARTMENT OF ZOOLOGY	

1	Sr. Dr. Ciji P.P. “Toxicity of Copper and Zinc to Puntius parrah (Day, 1865)” J.Marine Environmental Research.93, 38-46, 2014.
2	Jerry Thomas “A Study on Diversity and Distribution of Insects in Chettuvai Mangroves, Kerala” Millennium Zoology, Vol.15 (1), 47-49, 2014.
3	Dr.Teji K. T. “Culture Techniques of Muriyad Carplet, Amblypharyngodon Melettinus Muriyadensis”, Vistas, Vol.4. Pp: 105-108e-ISSN: 2394-1138, 2015.
4	Dr.Teji K.T. and Haritha N. H. “A Preliminary Study on Spider Diversity of Morning Star Home Science College, Angamaly” Millennium Zoology, Millennium Zoology, Pg. 41-43,ISSN: 0973-1946, 2015.
5	Dr.Teji K. T. and Sajna T.K. “Biodiversity of Aquatic Insects of Thonnamakka Canal of Karukutty Panchayath” Scientia, 2015.
DEPARTMENT OF CHEMISTRY	
1	Femeetta Mary A. G. “Studies on Preparation, Characterization and Antimicrobial Activity of Metal Complexes of Schiff Bases”, Star Research Reach Vol.7 No-78 ISSN 0975 -5101, 2015.
2	Sr. Dr. Rosily A. V. “Fate of Sulphur in Mangrove Ecosystem” Star Research Reach Vol.8, No-45, ISSN 0975 -5101, 2016.
DEPARTMENT OF MATHEMATICS	
1	Dr. Beena George “Progression in Ancient Indian Mathematics” Star Research Reach, Vol.4. No.2, ISSN 0975 -5101, December 2012.
2	Dr. Beena George “Golden Ratio and Indian Traditional Architecture” Star Research Reach, Vol.8. Pp: 45, ISSN 0975 -5101, June 2016.
DEPARTMENT OF ECONOMICS	
1	Dr. Laisa Thomas “Demographic Transition in Kerala: A Perceptual Analysis Among the Aged”, Star Research Reach, Vol.1. No.2, ISSN 0975 -5101, June 2010.
2	Dr. Laisa Thomas “Sustainable Development: Global Issues”, Star Research Reach, Vol.2. No.3, ISSN 0975 -5101, December 2010.
3.	Dr. Laisa Thomas “Impact of Women’s Education in the Socio-Economic Security of Family in Kerala”, Research Scholar, Vol.3.No.4, –A, ISSN 2249-6696, December 2013.
4	Dr. Laisa Thomas “Growing Per Capita Income and Consumerism in Kerala”, Star Research Reach, Vol.5. No.1, ISSN 0975-5101, June 2013.
5	Dr. Laisa Thomas “Kerala Model of Development and its Perception on Family”, Star Research Reach, Vol.7 No. 2, ISSN 0975-5101, December 2015.
6	Dr. Resmi G. “Green Marketing: Issues and Challenges”, Star Research Reach, ISSN 0975-5101, December 2015.
7	Dr. Resmi G. “Entrepreneurship Development Among Women”,

	Baselius Researcher, ISSN- 09758658, July-December 2015.
8	Dr. Resmi G. “Role of Small Scale Industries in Economic Development”, Star Research Reach, ISSN 0975-5101, June 2016.
DEPARTMENT OF HISTORY	
1	Rinu K. Louis “British Colonialism and Classical Ethnography: A Story of Ideological Subjugation”, Star Research Reach, ISSN 0975-510, June 2015.
DEPARTMENT OF SOCIOLOGY	
1	Soumya Kachappally “A Sociological Outlook on the Understanding of Kadar Tribes and their Livelihood: a Study of Athirappily Panchayat”. Star Research Reach, Vol.7. No.2, ISSN 0975-5101, December 2015.
DEPARTMENT OF BOTANY	
1	Sr. Dr. Philo T. J. “Phenological Studies on Six Grammaecious needs of Kerala”, Heartian Journal of Pure and Applied Sciences, ISSN 227-1662, Vol.2. No.1, March 2012.

Table: 3.11. List of articles/papers published by the faculty in State, National and International Seminar Proceedings.

INTERNATIONAL	
DEPARTMENT OF HOME SCIENCE	
1	Dr.Lizmitha Godwin “Nutritional Profile of Preschoolers and Impact of Slum Environment on their Health Status”, International Conference ICFAN-2011, Food and Nutraceuticals for Nutrition and health: Technology and Delivery, Abstract No: PN-0-19, P: 144-145, 20th-22nd January 2011.
2	Dr.Lizmitha Godwin “Obesity Among Women in Slums”, ICMR sponsored International Symposium on Functional Foods and Health, ISFAH 2011, November 2011.
3	Dr.Lizmitha Godwin “Nutritional Status of Women in Slums”, Nutritional Medicine Health and Wellness-International conference, 7-8 June 2012.
4	Sr.Dr.Shemi George , “Memory Function of Pumpkin Seeds Extract in Animal Models” Proceedings of National Seminar on Food Safety and Quality Assurance : A Comprehensive Perpetual Perspective ISBNNo: 978817255072
5	Rajani Devi T.R. , “Food Contamination Through Kitchen Linens” Proceedings of National Seminar on Food Safety and Quality Assurance : A Comprehensive Perpetual Perspective ISBNNo: 9788172550721
DEPARTMENT OF ZOOLOGY	
1	Sr. Dr.Ciji P.P and Dr.S. Bijoy Nandan “Toxicity of Copper and Zinc

	to <i>Putius parrah</i> (Day, 1865)”, Article type – ISSN NO0141-1136, Marine environment sensing in an International Journal Elsevier published from Italy, 2014.
2	Dr. Teji K. T. “Distribution Studies of Amblypharyngodon melettinus”UGC sponsored international conference on ‘Biodiversity & Evaluation –perspective & paradigm shift’ organized by Department of Zoology, Sree Sankara College, Kalady.
DEPARTMENT OF ECONOMICS	
1	Dr.Laisa Thomas “Eco-Tourism: A Tool for Sustainable Development”Abstracts of the International Seminar on ‘Responsible Tourism- Current Perspectives in Conservation and Economics’, December 2011.
2	Dr. Laisa Thomas “Global Economy and Environmental Sustainability”Abstracts of the International Seminar, February 2012.
3	Dr.Laisa Thomas “Demographic Challenges for Sustainable Development” Global Economy and Environmental Sustainability, February 2012.
NATIONAL	
DEPARTMENT OF HOME SCIENCE	
1	Dr.Lizmitha Godwin “Abdominal Obesity Among Women Residing in Urban Slums”, National seminar on ‘Life Style Diseases in Sustainable Development Perspective’, 26 – 27 August 2011.
2	Dr.Lizmitha Godwin “Food Consumption Pattern and Impact on Nutritional Status of Preschoolers in Slums”, National Workshop on Fast Food Traps, 14 January 2012.
3	Dr.Lizmitha Godwin “Obesity and Life Style Diseases Among Women Residing in Urban Slums”, National seminar on Life style Disease- An Emerging Issue August 2012.
4	Megha Thampy “A Comparative Study on the Health Status of Elderly People in Rural And Urban Areas”, Proceedings of the Seminar on ‘Ageing and Society-A multidisciplinary Approach’ organized by Department of Home Science, St.Teresa’s College, Ernakulam, 4 - 5 October 2012.
5	Megha Thampy “Changes in the Chemical Constituents of Home Made Pineapple Wine Under Varying Sources of Sugar”, Proceedings in the National Workshop on Fast Food trap. Organised: Department of Home Science, St.Teresa’s College, Ernakulam, 14 January 2012.
6	Dr.Lizmitha Godwin “Women’s Health in Current Scenario” (Resource Person), National seminar on ‘Changing Status of Women in India-its Issues and Challenges’, 25 - 26 July 2013.
7	Dr.Lizmitha Godwin “Food Habits and Lifestyle Diseases Among

	Women of Reproductive Age”, National seminar on Environmental Diseases, 26 February 2013.
8	Megha Thampy “Effect of Dietary Calcium Intake in the Prevalence of Bone Diseases Among Pre, Peri and Post Menopausal Women”, Proceedings in the UGC sponsored National Seminar, ‘Burn Out syndrome :Prevention and coping Strategies’, at Morning Star College Angamaly,16 - 17August 2013.
9	Megha Thampy “A Study on the Clinical Conditions of Elderly in Rural and Urban Areas”, Proceedings of Seminar on ‘Environmental Diseases’ organized by Department of Zoology, KKTM College,Kodungalloor,26 February 2013.
10	Sr.Dr.Shemi George “Effect of Supplementation of Pumpkin Seeds on Hypercholesterolemia in Animal and Human Models” , National seminar on‘Emerging Trends in Family and Community Science’, Government College for Women Trivandrum, 23 October 2013.
11	T. R. Rajani Devi “Extraction of Natural Dye from Plant Sources- Impact of Research and Development in Biotechnology for Sustainable Textile Production”, 2014.
12	T. R. Rajani Devi “Rights of Women- General Perspective” Women’s Rights- Human Right Perspective, 2014.
13	Dr.Lizmitha Godwin “Galactogogues-Awareness and Usage Among Lactating Women”, National Seminar on‘Sustainable Health and Wellness- Issues and Challenges’ college, Angamaly, ISBN: 9788172550707, 12 - 13 August 2015.
14	Dr.Lizmitha Godwin “Eating Habits Among Women, Dimensions of Research – Perspectives and Innovation”, 25 November 2015.
15	Dr.Lizmitha Godwin “The Influence of Home Environment on Academic Performance Among Adolescent Girls, Dimensions of Research Perspectives and Innovation” 25 November 2015.
16	Megha Thampy “Cyber Crimes and Morality”, Proceedings of UGC Sponsored National Seminar on Cyber Crimes: Issues and Challenges, Department of Business Administration, MES College, Marampilly, 15 October 2015.
17	Megha Thampy “Quality awareness of Fruit Juices from Food Outlets Among Adolescents”, Proceedings in the UGC sponsored National Seminar on Food Safety in India – Current Issues and Career Prospects National Biotechnology Seminar,8 – 9 October 2015.
18	Megha Thampy “Physiochemical Characteristics of Fruit Juices and Presence of E .coli in Drinking Water of Food Outlets” Proceedings in the UGC sponsored National Seminar, Sustainable health and wellness-issues and challenges, 12 - 13 August 2015.
19	Sr.Dr.Shemi George “Relationship Between Blood Groups With Health Status”, Proceedings of the UGC sponsored national seminar on ‘Sustainable Health and Wellness- Issues and Challenges’, 12 -13

	August 2015.
20	Sr.Dr.Shemi George “A Study on Prevalence of Helminthes Infection Among Pre-School Children”, proceedings of the UGC sponsored national seminar on ‘Sustainable Health and Wellness- Issues and Challenges’, 12 – 13 August 2015.
21	Sr.Dr.Shemi George “A Study on Prevalence of Iron Deficiency Anaemia among Young Adult Women”, Proceedings of the UGC sponsored national seminar on ‘Sustainable Health and Wellness- Issues and Challenges’, 12 -13 August, 2015.
22	T. R. Rajani Devi “Development of Jute Products Made of Naturally Dyed Jute Fabric”, Sustainable Health and Wellness- Issues and Challenges”, 2015.
DEPARTMENT OF ZOOLOGY	
1	K.Leena Joseph “Prevalance of Cardio Vascular Diseases among the People of Malayattoor Panchayath” Proceedings of UGC sponsored National seminar on “Life Style Diseases-an Emerging Issue”, Department of Zoology, Morning Star Home Science College, Angamaly, 2012.
2	K.Leena Joseph “Effect of Climate on Wetland Birds of Thrissur District” Proceedings of UGC sponsored National seminar on ‘Climate change scenario: Threats & Potential impacts on Ecosystem’, Department of Zoology, Morning Star Home Science college, Angamaly, 30 - 31 July 2013.
3	Sajna.T.K “Anthropogenic Effects on Climate Change and its Physiological Impacts” Proceedings of UGC sponsored National seminar on ‘Climate change scenario: Threats & Potential impacts on Ecosystem’, Morning Star Home Science college, Angamaly, 30 - 31 July 2013.
4	Rekha T.B and Sajna T.K “Effects of Four Plant Extraction on Rice Weevil ‘Sitophilus oryzae’ in the Stored Rice Grains”, Proceedings of UGC sponsored National seminar on ‘Green Chemistry and Environmental Conservation, Morning Star Home Science college, Angamaly, 18 - 19 July 2013.
5	Vandana T.S and Jerry Thomas “Evaluation of Larvicidal Activity of Leaf Extracts of Weed Plants against <i>Culex mosquito</i> ”, Proceedings of UGC sponsored National seminar on ‘Green Chemistry and Environmental Conservation’, Morning Star Home Science college, Angamaly 18 - 19 July 2013.
6	Jerry Thomas “Preliminary study on the Diversity of Soil Macro Fauna of Morning Star Home Science College Campus, Angamaly”, National seminar on ‘Biodiversity Conservation – Trends and prospects organized by the Department of Zoology’, Christ college, Irinjalakuda ISBN 978-81-930507-5-0, 2015.
7	Sajna T.K. “Biodiversity of Aquatic Insects of Thonnamakka Canal of

	Karukutty Panchayath”, Abstracts of National seminar on ‘Biodiversity conservation – Trends and Prospects’ organized by the Department of Zoology, Christ College, Irinjalakuda, 2015.
8	Dr. Teji K. T. “A preliminary Study on Spider Diversity of Morning Star Home Science college , Angamaly” Abstracts of National seminar on ‘Biodiversity Conservatyion –Trends and Prospects’ organized by the Department of Zoology, Christ College, Irinjalakuda, 2015.
9	Dr. Teji K. T. “Biodiversity of Aquatic Insects of Thonnamakka Canal of Karukutty Panchayath”, Abstracts of National seminar on ‘Biodiversity conservation – Trends and Prospects’ organized by the Department of Zoology, Christ College, Irinjalakuda, 2015.
10	Dr. Teji K. T. “Mitochondrial DNA analysis in identification of Amblypharyngodon Melettinus Muriyadensis”, National seminar on ‘Integrating Taxonomy to DNA Barcoding’ organized by St. Xavier’s College for Women , Aluva, 2015.
11	Dr. Teji K. T. “Potency of Selected Botanicals in Mosquito Management”KSCSTE sponsored national seminar on ‘Recent Advances in Medicinal Plant Research’, 2015.
12	Dr. Teji K. T. “Antibiotic Sensitivity of Plant Extracts on Escherichia coli”Abstracts of KSCSTE sponsored national seminar on ‘Recent Advances in Medicinal Plant Research’, 2015.
DEPARTMENT OF CHEMISTRY	
1	Femeetta Mary A. G. “Analysis of Water Quality using Physico-Chemical Parameters of Periyar Water”, Proceedings- Food Safety and Quality Assurance – A Comprehensive Perpetual Perspective, 2016.
DEPARTMENT OF ECONOMICS	
1	Dr.Laisa Thomas “Changing Role of A Higher Education Institution and its Commitment to Society” Souvenir and Abstracts of Papers- Quality Evaluation in Higher Education: The New Approach, March 2010.
2	Dr.Laisa Thomas “Sustainable Development: Issues and Challenges with special Reference to Environment”, Proceedings of the UGC Sponsored National Seminar, July 2010.
3	Dr.Laisa Thomas “Eco-Tourism and Sustainable Development” Proceedings of the UGC sponsored national seminar on ‘Sustainable Development: Issues and Challenges with Special Reference to Environment’, July 2010.
4	Dr.Laisa Thomas “Changing Status of Women in India: Its Issues and Challenges”, Proceedings of the UGC Sponsored National Seminar, July 2013.
5	Dr.Laisa Thomas , “Education as a Catalyst to Women Empowerment Changing Status of Women in India: Its Issues and Challenges”, July 2013.

6	Dr.Laisa Thomas “Environmental Degradation: A Threat to India’s Economic Development”, Proceedings of the UGC Sponsored National Seminar, July 2014.
DEPARTMENT OF COMMERCE	
1	Jwalini K.S. “Financial Sector Development Strategy for Achieving Inclusive Growth” Inclusive Growth and Development in the Indian Context, July 2015.
2	Jwalini K.S “Growing Online Learning A New Way Of Education Market”, Xavierian Journal of Research In Commerce (Xjorc), Vol.1.No.2, Page No.119-127, ISSN2347-372x, 2016.
STATE	
DEPARTMENT OF PHYSICS	
1	Shyny K. Ittiachan “Electronic Instrumentation”, Proceedings of the UGC Sponsored State Level Seminar, 2011.
DEPARTMENT OF ECONOMICS	
1	Dr.Laisa Thomas “Education and Women Empowerment”, Proceedings of the UGC Sponsored State Level Seminar, July 2011.

Table 3.12: Research Awards Received by the Faculty.

Name and Department of Faculty	Research Award Received	Year
Megha Thampy- Home Science	First prize in poster presentation, UGC sponsored National seminar on “Burn out Syndrome: Prevention and Coping Strategies”.	2013
Dr.Lizmitha Godwin Home Science	Certificate of honour, in recognition of Ph.D. by TRACC	2013
Sr.Dr. Shemi George- Home Science	Second prize for poster competition in the National seminar on Sustainable Health And Wellness- Issues And Challenges.	2015
T.R. Rajani Devi - Home Science	Third prize for poster in the National Seminar on ‘Sustainable Health and Wellness- Issues and Challenges’	2015

- **Incentives given to faculty for receiving state, national and international recognitions for research contribution:** The Principal and the IQAC felicitate the concerned faculty in their achievement and publishes the details in the notice boards, website, news letter etc.

3.5 Consultancy

3.5.1 Give details of the systems and strategies for establishing institute-industry interface?

The institution has adopted various means to establish the institute-industry interface. MoUs are signed with institutions of industrial relevance. The students are taken to different industries as part of the study tours every year. Industry experts are invited for guest lectures in various events like association inauguration, lecture series, seminars, conferences etc.

3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?

The departments in the college are given full freedom for consultancy services. The facilities available in the institution are publicized through, college calendar, website, brochures etc.

3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

The college encourages the staff members to take up consultancy services based on their expertise. The facilities in the institution are utilized by the different departments for consultancy services. The institution provides with equipment and infrastructure for consultancy services. The equipment in the Department of Physical Education is utilised for physical fitness classes offered to the community. The Fat Analyser in Dietary Counselling Centre is used by the public as well as the students.

3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

- Chemstar from the Department of Chemistry provides soil testing services generating a nominal income.
- Help in translation and language correction is extended by the faculty of the Department of English and Malayalam.
- The Department of Physical Education extends consultancy service to the public and school students in and around Angamaly on Yoga and Fitness.
- The Department of Zoology offers consultancy in the form of Ph.D. thesis consultation for researchers of other institutions.
- Consultancy service in the form of awareness classes on health, food and hygiene are provided to the public by the faculty of the Department of Home Science.
- Vermicomposting is done by the Department of Zoology and revenue is generated from the same.
- Some consultancy services are provided absolutely free of cost.
- Both on campus and off-campus consultancy are provided.

3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?

Since the whole department is involved in the consultation services the income generated is added to the department funds.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the institution promote institution- neighborhood-community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

The institution promotes institution-neighborhood-community network through different outreach programs. The motto of the college is brought into practice by means of:

- National Service Scheme (NSS)
- AICUF(All India Catholic University Federation)
- Jesus Youth
- Extension Programmes of the College
- Education classes to the community
- Visits to Abhayabhavan
- Save-a-Star
- St. Jude Counseling Centre
- Vermicomposting- Department of Zoology
- Soil Testing – Department of Chemistry
- Extension classes on Preservation – Department of Home Science
- Chethana- Department of Chemistry
- Certificate Course in Home Science - Embroidery, cooking, craft classes – by the Department of Home Science.

3.6.2 What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?

The involvement of the students in different activities is monitored by the faculty in charge of the respective forum. Apart from the Youth Red Cross (YRC), NSS, AICUF and Women's Cell different clubs in the institution conduct various events for social welfare. Department wise activities that benefit the society are also initiated and are monitored by the concerned staff. These programmes are focused on promoting the students as good citizens.

- Every year World Environment Day is celebrated by NSS and SCAWEP under the Department of Zoology.
- Teacher's Day is celebrated by AICUF by honoring the teachers.
- The activities of the NSS are mainly community based and one of its

major activity is collecting 'Podichor' (Share-a-Meal) every first Friday for the inmates of 'Abhayabhavan'.

- The college has adopted Wards VII and VIII of Nedumbassery Panchayat and conduct programmes there.
- The NSS of our college has adopted Ward VII of Nedumbassery Panchayat and organizing community development programmes.
- IQAC conducted an Information Literacy Programme free of cost with the help of the Government of Kerala for the women of Wards VII and VIII.
- The college gives due importance for the celebration of Women's Day as our college is a women's college.
- PG students participate in and conduct extension classes taken by the faculty of the Department of Home Science.

3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

The institution solicits stakeholder perception on the overall performance and quality of the institution through feedbacks. The institution receives feed backs from students, parents, alumni, employers etc. both in formal and informal methods. The feedback received is discussed with the staff members and necessary action is taken. This helps to enhance the quality of the institution. The activities of the NSS are conducted with the active participation of the stake holders, parents, local representatives, alumni etc.. The functioning of the college is assessed through PTA and Alumni meetings. Feedback from parents and students are also collected and corrective measures are taken after its evaluation.

3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

The college organizes its extension and outreach programs which aids in integrating curricula with extension.

- Grahadarshan- Training for plus two students, organized by the Department of Home Science.
- Share-a-Meal- to the inmates of Abhayabhavan organized by the NSS.
- Entrepreneur Development Programme- a community oriented programme for women organized by the Department of Home Science and MSME (Ministry of Small Medium Enterprise).
- Nutrition awareness Classes through Anganwadi- Department of Home Science & ICDS
- Cancer Detection Camp – The NSS in association with Aluva Taluk, Regional Cancer Centre, Trivandrum.
- Food Preservation Class to build capacity among women- Department of

Home Science & ATMA (Agriculture Technology Management Agency- Department of Agriculture).

- Chethana-training programme for the mothers of our students.
- Save-a -Star Programme-fund raising auction (income generated is used for the education of poor students in the college)
- The college has adopted the Wards VII and VIII of Nedumbassery Panchayat and conducts programmes there.
- The NSS carries out a number of activities in Ward VII of Nedumbassery Pachayat.
- The Department of Zoology takes initiative in a number of activities like Suchitwa Bodhana Yanjam, Padayathra and Awareness Programme, talks, cultural programme, debates etc.
- Visits to orphanages and old age homes- materials were collected by the students and were dispersed to the needy –organized by the NSS
- Education class on ‘Hay Box’ was given for the community.
- Lumens, not Watts: A workshop on ‘Green Technology’ was conducted by the Department of Physics. Training in making LED bulbs was provided for the students and the local people.
- Chemistry in Daily Life: A talk on Chemistry in daily life was conducted for local women and the students of the arts stream to create chemically literate society on 4 October 2016 and 8 November 2016.
- Energy Management Classes were provided for the members of wards VII and VIII by the faculty of the Department of Home Science.
- Awareness classes were conducted by the Department of Economics in the adopted Anganwadi no.106 in ward V of Nedumabassery Grama Panchayath and donated chairs, plates, spoons and toys.
- Under the activity of the SCAWEP, the Department of Zoology organise vermiculture training for the parents of the students. As part of this, vermicompost sale is also done.
- The college participated in the ‘Manava Karunya Yathra’ organised by the Kidney Foundation of India chaired by Fr. Davis Chiramel and handed over organ donation consent forms to the foundation.

3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?

Awareness is created among the students about the co-curricular activities through college calendar and college magazine. On the Fresher’s Day, an orientation is given to the first year students about the activities of NSS by the Program Officers. 90% of the students participate in the NSS activities. The membership is given on first come first served basis. Students are informed about the functioning of different clubs and agencies and interested students are motivated to join the clubs. The faculty of the

institution is willing to take up any duty assigned. Every year, duties are re-allotted among the staff members to ensure opportunity to each staff to take part in different activities.

3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

Social surveys are conducted by the departments, the NSS and other agencies to ensure social justice.

- The Department of Economics offers a Certificate Course in ‘Research Methodology’ from 2015. A survey on Waste Management was done by the students and the report was submitted to the Principal.
- The students of Economics conducted another survey on ‘Report of Work on Library’ and submitted the report to the Librarian.
- The NSS conducted a survey on basic needs in association with UN international.
- Soil testing service is done by Chemstar.
- During the first Friday of every month, parcel meals-‘Podhichoru’-are distributed to the vulnerable and underprivileged members living in charitable organization Abhayabhavan.
- SSP and Remedial Coaching help to bring the under privileged and weaker sections to the forefront.

3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students’ academic learning experience and specify the values and skills inculcated.

Extension activities are carried out by different clubs and departments not only to provide service to the community but also to provide rich experience in developing values like giving consideration to the fellow beings, understanding the struggles of the underprivileged, developing a positive attitude towards service, to make students aware of the social issues and contexts etc. In concert with the vision of the institution, the students are motivated to serve the community with love through the different community oriented activities of the college. Through value education and community relevant exhibitions and visits to institutions the students feel the need for extension activities, which in turn help them to become active in the community oriented extension activities.

3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on

the initiatives of the institution that encourage community participation in its activities?

The institution has organized several programmes like Spectrum Fest, Kudumbotsav, Chetana, Grahadarshan, VISMITHI-2015, Milky Expo etc.. To encourage community participation the events are promoted among the community through pamphlets, word of mouth announcements, newspaper, banners, promotion through local channels etc. In addition to this the NSS wing is active and encourages community participation. The students are involved in blood donation camps and paralegal volunteering along with Kerala Legal Service Authority. The NSS, through its activities are regularly engaged in cleaning activities and road development programmes of the community. The facilities of the campus are open to different nearby institutions to visit the exhibitions, labs etc. The College has adopted the Ward VIII of the Nedumbassery Panchayat.

- Seven Day Special Camp at Karukutty Gramapanchayat.
- Visit to Old Age Home at Karukutty.
- Awareness classes on social commitment, legal awareness, lifestyle diseases, balanced diet, mental health and related issues.
- Cancer Detection Camp organized jointly by the NSS, Aluva Taluk Hospital and RCC Trivandrum for the people in and around Angamaly
- Awareness rally on World AIDS Day.
- Mini camp in association with Angamaly Krishi Grama Samrakshana Samithi -Paddy fields in Chemban Padam was cleaned and replanted.
- Chethana – Extension classes for women.
- Grahadarsan, self employment training for plus two students -Department of Home Science.
- Social awareness classes for Women -Women's Cell.
- Computer literacy course to the women of Ward VIII, Nedumbassery Panchayat.

3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

The College has entered into relationships with various organizations under the banner of which a number of constructive programmes are organized.

1. Indian Trade Fair Foundation, Ernakulam
2. Little Flower Institute of Medical Sciences and Research, Angamaly
3. British Biologicals, Ernakulam
4. CAD Design, Aluva
5. Sahridaya Silks, Angamaly

6. Milma, Ernakulam
7. Palliative Care Unit, Kariyad
8. Blossom Garment Industry, Muvattupuzha
9. Physiology Lab, Little Flower Hospital, Angamaly
10. Holy Family School, Angamaly
11. Dietary Department of General Hospital, Ernakulam
12. Naipunya College, Pongam, Chalakkudy
13. Nippon Kerala Centre.
14. Mitradam Renewable Energy Resource Centre, Chunangamveli, Ernakulam
15. V Star Garment Manufacturing Unit at Vazhakkulam
16. St.Marys LPS, Angamaly
17. Indian Medical Association District Task Force, Ernakulam
18. Fitness Centre, Angamaly
19. Micro Small Medium Enterprise (MSME TI), Ettumanoor
20. Gokul Foods, Thabore, Angamaly
21. Swadeshi Science Movement and Kerala state council for Science and Technology and Department of Science and Technology of Govt.of India
22. Guiders Education, Kadavanthra
23. Deepthi Gram, Angamaly
24. Railway station Angamaly
25. Nedumbassery Gramapanchayat
26. Karukutty Grama Panchayat
27. Abhayabhavan, Koovappadi

3.6.10 Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.

On Independence Day, Nedumbassery Grama Panchayath awards the college with a trophy and certificate of appreciation for its activities.

3.7 Collaboration

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives - collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

Experts from various institutes have extended their expertise in terms of symposia, seminars and conferences. The students utilize the resources of research labs of CUSAT, Cochin College etc. to complete their project works. The students utilize the library facility of other institutions too. The students from other institutions are given opportunity to utilize the library facility of this institution. The students of other institutions consult the faculty members

of this institution for their research. UGC sponsored and other seminars and conferences are organized in collaboration with other institutions. Several other seminars and workshops are also conducted in association with other agencies.

3.7.2 Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/other universities/industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

Table 3.13: MoU / Collaborative Arrangements.

Department	MoU/collaboration
Commerce	Tally, Manvish Info Solutions Pvt. Ltd. Authorised Channel Partner of Tally India Ltd., Bengaluru.
College	Kerala Small Industries Development Corporation LTD. (Kerala SIDCO).
College	Vidhyajyothi Padanakendram, Perumbavoor.

3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment / creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/ new technology /placement services etc.

- Government aided DCA course was started with the help of Kerala Small Scale Industries Development Corporation Ltd. (SIDCO) under Centre for Continuing Education.
- Apart of the funds received from minor research projects have been utilized to increase facilities like library and other amenities to enhance further research activities.
- Walk with a Scholar is a new initiative of the Kerala Government to enhance research culture among students.
- Scholar Support Programme is an initiative of the Kerala Government to give special care and training so as to motivate the students to become scholars.

3.7.4 Highlighting the names of eminent scientists/ participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

- UGC National Seminar on ‘Sustainable Development: Issues and Challenges with Special Reference to Environment’, 29-30 July 2010

- Dr. Fatima Babu, Head, Department of English, St.Mary's College, Tuticorin.
- Dr. Ibrahim P., Professor, Department of Economics, Pondicherry University.
- Dr. Ancy Thomas, Head, Department of Home Science, MSHS College, Angamaly.
- Dr.S. Harikumar, Professor, Department of Applied Economics, CUSAT Kalamassery.
- Dr.Nirmala Padmanabhan, Department of Economics, St. Teresa's College, Ernakulam.
- UGC State Level Seminar on 'Conservation of Environment and Eco-friendly Mngement of Domestic Waste - a Sustainable Approach', 11-12 August 2010
 - Dr. K. Gopakumar, Former Deputy Director General, Indian Council of Agricultural Research, New Delhi
 - Dr. M. Balasundaram, Scientist, Genetics and Biotechnology Division (Retd.) KFRI , Peechi, Thrissur
 - Dr. Sushamma. P.K., Professor, College of Horticulture, Agricultural University, Kerala
 - Dr. Jhon K. Thomas, Reader, Department of Zoology, Christ College, Irinjalakuda.
- UGC State Level Seminar on 'Health IQ- An Innovative Approach Through Yoga and Nutrition', 26-27 October 2010
 - Dr. Jose Joseph, Department of Community Medicine, Medical College, Kottayam.
 - Dr. R. S. Sindhu, St.Joseph's College, Kozhencherry.
 - Toms Abraham, Director, Yuvatha School of Yoga, Kumarakom.
- UGC State Level Seminar on ' Electronic Instrumentation', 20-21 July 2011
 - Dr. Jacob Philip, Director, Sophisticated Test and Instumentation Centre(STIC), CUSAT.
 - Dr. Thresiamma George, Department of Chemistry, Nirmala College, Muvattupuzha.
 - Dr. Philip K.A., Department of Physics, Newman College, Thodupuzha.
 - Prof. Baby George, Department of Physics, Newman College, Thodupuzha.
 - Dr. Thomas Varghese, Department of Physics, Nirmala College, Muvattupuzha.
- UGC State Level Seminar on 'Education and Women Empowerment', 28-29 July 2011
 - Prof. Philomina K.P., Former Head, Department of Economics, Alphonsa College, Pala.

- Dr. N. Ajithkumar, Director, Meridian School of Management, Alwaye.
- Dr. Tomy Vaghese, Head, P.G. Department of Economics, U.C College, Alwaye.
- Dr. K. K. John, Head, P.G. Department of Economics, St. Thomas College, Pala.
- Dr. Sindhu K., Department of Economics, The Cochin College, Cochin.
- UGC National Seminar on 'Biotechnology - a Tool for Sustainable Environmental Conservation', 11-12 August 2011.
 - Dr. Thomas Philip, Head, Department of Zoology, U C College, Aluva.
 - Dr. K. K Sabu, Scientist, Biotechnology and Bioinformatics division, TBGRI, Palode.
 - Dr. G Saritha Bhat, Head, School of Biotechnology, CUSAT.
 - Dr. Venkitachalam, Principal Scientist, Dept. of Biotechnology, Periyar University.
 - Dr. Balasundaram, Head, Environmental Biotechnology Division, Tropical Institute of Ecological Sciences, Kottayam.
 - Dr. T.V Sajeev, Scientist, KFRI, Peechi, Thrissur.
- UGC National Seminar on 'Life Style Diseases- In Sustainable Development Perspective', 26-27 August 2011.
 - Dr. Shyam Mukundan, M.D. Medicine, LIMSAR, Angamaly.
 - Dipti Thombare, Nutritionist, British Biological, Bangalore.
 - Sindhu S, Chief Dietitian, Medical Trust Hospital Ernakulam.
 - Dr. J.K. Mukkadam, Principal, LIMSAR, Angamaly.
- International Seminar on 'Global Economy and Environmental Sustainability', 23-24 February 2012.
 - Prof. Mathew Mukkattu, Fanshawe College, University of Western Ontario, Canada
 - Dr .N. Ajithkumar, Professor, Amruta School of Arts & Sciences, Cochin
 - Dr. Francis Cherunilam, Professor, School of Management Studies, CUSAT, Cochin
 - Dr. Luis Miguel Romero Fernandez, Former Vice-Chancellor Technological University of Loja & Permanent Ambassador, Ecuador
- UGC National seminar on 'Life Style diseases– An emerging issue', 16-17 August 2012.
 - Dr. Tomy Paul, Department of Radiology, Michigan State University, USA.
 - Dr. Raju Antony, Head, Community Medicine, SNIMS, Chalakka.
 - Dr. Joe Thomas M.D., Community Medicine, SNIMS, Chalakka.
 - Dr. Sheeba Vaghese, Department of Physiology, SNIMS, Chalakka.

- Dr. Suchanda Sahu M.D., Head, Biochemistry, SNIMS, Chalakka.
- Dr. P. Gopalakrishnan MPH, Community Medicine, SNIMS, Chalakka.
- Dr. Jaideep C. Menon M.D, D.M., Cardiologist, SNIMS, Chalakka.
- Dr. Unnikrishnan V, Homeopathic Medicine Doctor.
- International Workshop on Ikebana-Flower arrangement and Origami-Paper Folding, 10 September 2012.
 - Yoko Hayashi, Nippon, Japan.
- UGC National seminar on ‘Green Chemistry & Environmental Conservation’, 18-19 July 2013.
 - Dr. N. Chadramohana kumar, Chemical Oceanography, CUSAT.
 - Dr. I. M. Krishnakumar, General Manager, AKAY Flavours & Aromatica, Aluva.
 - Dr. JoshyV Cherian, Environmental Scientist, Coimbatore Omega Ecotech Product India.
 - Dr. Susila Kuruvilla, St.Joseph’s College, Alapupuzha.
 - Mr.Eapen Ninan, Assistant Manager AKAY Flavours & Aromatica, Aluva.
- UGC National seminar on ‘Changing Status of Women in India: Its Issues and Challenges’, 25-26 July 2013.
 - Dr. Alice Mani, Department of Commerce, Christ University, Bangalore.
 - Dr. N. Ajithkumar, Professor, Amruta School of Arts & Sciences, Cochin.
 - Dr. Lizmitha Godwin, Department of Home Science, MSHS College, Angamaly.
 - Dr. P.S. MohanKumar, School of Management and Technology, Trivandrum.
- UGC National seminar on ‘Climate Change Scenario: Threats & Potential Impacts on Ecosystem’, 30-31 July 2013.
 - Dr. D. Prema, Scientist, Fishery Environment Management Division, CMFRI, Kochi.
 - Dr V Venkatesan, Scientist, Molluscan Fisheries Division, CMFRI, Kochi.
 - Dr. R. Jyothibabu, Scientist, CSIR, National Institute of Oceanography, Kochi.
 - Dr. George Thomas, Associate Professor, College of Horticulture, KAU, Thrissur.
 - Dr. Jiss K Varkey, IFS, Department of Forest Management and Utilization.
- UGC National Seminar on ‘Burn Out Syndrome- Prevention and Coping Strategies’, 16-17 August 2013.
 - Dr. Abraham Varghese, IMA, Vice President, Ernakulam.

- Dr. K.S. Kumari, Director, Community College, Pondicherry Central University.
- Mr. C.P. Wilson, Senior Manager, (Safety), Binani Zinc Limited, Binanipuram, Cochin.
- Dr. Sunny Orathael, Cochin Medical College, Kalamassery.
- Dr. S. Kowsalya, Professor, Department of Food Science and Nutrition, Avinashilingam Deemed University, Coimbatore.
- UGC National Seminar on Environmental Degradation: A Threat to India's Economic Development,' 24-25 July 2014
 - Prof. A. Renga Reddy, UGC Emeritus Fellow, Sri. Venkateswara University, A.P.
 - Dr. N. Ajithkumar, Former Head, Department of Economics, Cochin College, Cochin.
 - Dr. Sheeba V.T., Department of Economics, N.S.S. College, Changanacherry.
 - Dr. S. Muraleedharan, Former Professor, Maharajas College, Ernakulam.
- UGC National Seminar on 'Traditional Foods-A Key to Comprehensive Health and Longevity', 7 - 8 August 2014
 - Dr. P. Nazni, Department of Food Science and Nutrition, Periyar University, Salem.
 - Dr. Shilpa Jose, Department of Home Science, St. Teresas College, Ernakulam
 - Dr. Sarala Samuel, Head, Research and Development, Kerala Ayurveda Ltd., Aluva.
 - Dr. Manjula V D, Department of Community Medicine, Medical College, Kottayam.
 - Dr. M.Suresh Kumar, Senior Medical Officer, Cochin Port Trust Hospital.
 - Ms. Meena Koshy, Asst. Director of Agriculture, Govt. Coconut Nursery, Cochin.
- UGC National Seminar on 'Inclusive Growth and Development in the Indian Context', 23-24 July 2015.
 - N. Sadashiv, Fellow, Prime Minister's Rural Development Project, Government of India.
 - Dr. N. Ajithkumar, Former Head, Department of Economics, Cochin College, Cochin.
 - Dr. Leena Mathew, Reader, P.G Department of Economics, B.K. College, Kottayam.
 - Dr. Rajan Varghese, Former Pro Vice Chancellor, M.G. University.
- UGC National Seminar on 'Sustainable Health and Wellness- Issues and challenges', 12- 13 August 2015.

- Dr. V. Saradha Ramadas, Professor, Department of Food Service, Management and Dietetics, Avinashilingam Deemed University, Coimbatore.
- Dr. Mumtaz Khalid Ismail, Consultant Clinical Nutritionist, Total Nutrition, Kochi.
- Dr.C. Pandiyan, Department of Dairy Science, Veterinary College, Namakkal.
- Manju. P. George, Chief Dietician, Lourdes Hospital, Ernakulam.
- Dr. Leena Leon, Department of Home Science, St. Teresa's College, Ernakulam.
- Dr. Abraham Varghese, IMA, Vice President, Kerala Chapter.
- Dr. Vivek Ullatil, Psychiatrist, Renai Medicity, Palarivattom.
- Dr. Joseph Manoj, IMA President, Cochin Chapter.

3.7.5 How many of the linkages / collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated:

The College has obtained three MoUs:

- The Department of Commerce: Tally, Manvish Info Solutions Pvt. Ltd. (Authorised Channel Partner of Tally India Ltd., Bengaluru)
- An MoU with Kerala Small Industries Development Corporation LTD. (Kerala SIDCO) under Centre for Continuing Education, Kerala for conducting the Diploma course in Computer Application (DCA).
- The college has entered into an MoU with Vidhyajyothi Padanakendram, Perumbavoor for conducting coaching for competitive examinations.

In addition to these the departments have collaborations with various institutions to conduct internships, seminars, symposia and workshops.

Internship/on-the-job training: The students of Home science attend internships at various institutions. A detailed list is given below:

1. Santom Public School, Vengoor
2. O.L.P. Nazreth School, Edakkunnu
3. Elda Sepiacci English Medium School, Chathanadu
4. Jolly Nursery School, Angamaly
5. Sanjose Special School, Sreekandapuram
6. St.Joseph High School, Karukutty
7. Govt.V.H.S.School, Rajakumari
8. Alphons Sadan, Kidangoor
9. Asha Bhavan Special School, Nedumkandam
10. Amal Jyothy Special School, Painav, Idukki
11. Dietary Department Of General Hospital, Ernakulam
12. St.Marys LPS, Angamaly
13. Deepthi Gram, Angamaly
14. Lisie Hospital, Ernakulam

Summer placement: PG projects are done during the summer semester break. Students visit industries and institutions for doing their dissertations.

Faculty exchange and professional development: Faculty enrichment programmes are regularly carried on by the IQAC to ensure the holistic development of the faculty. External experts handle classes in this regard. The faculty of the college serves as experts in seminars/workshops conducted by other institutes.

Research: The research works with regard to the post graduate dissertations have tie up with various academic bodies.

Consultancy: The different departments of the college provide consultancy services to the community.

Extension: Each department has its own extension programs depending on the areas of interest. In addition to this the NSS, AICUF, YRC and Women's Cell conduct community relevant programmes.

Publication: The Department of Home Science publishes an international interdisciplinary peer reviewed journal with ISSN biannually. The department also publishes the annual magazine Echos. All the departments publish manuscripts annually. In addition to this the departments also publish proceedings of national seminars as edited books, with or without ISBN.

Student Placement: Student placements are done under the guidance of the departments as well as Career Guidance Cell.

Twinning programmes: The present semester system, does not in fact allow the students to do two courses simultaneously. This is compensated by our students by joining the different diploma/certificate course along with their regular courses.

Introduction of new courses: During the post accreditation period, two UG courses and two PG courses were started.

- B.Com. (Regular 2014)
- B.A. English (Self Financing 2016)
- M.Sc. Chemistry (Self Financing 2014)
- M.Sc. Physics (Self Financing 2014)

Student exchange: At present, the college doesn't have any student exchange program.

m) Any other: Nil

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/collaborations.

The departments identify the relevant institutes or agencies whose linkage will benefit the students, staff and community. On the basis of the recommendations from the departments and other internal agencies, the institution takes measures for developing the collaboration or linkage.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 What is the policy of the institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

The institution has a transparent mechanism administered through the Governing Council, the IQAC, the Planning Board and the Staff Council, each with sufficient representation of the teaching faculty. These committees and the Management put forward necessary proposals for infrastructure development to meet the needs of teaching and learning. The institution utilizes maximum funds from agencies like the UGC, the Alumni, the PTA and from the Staff. The Management judiciously allocates funds for the development of all the departments. The college has adequate infrastructure for the smooth functioning of its academic programmes. Classrooms, furniture and other equipment are allotted to the departments to ensure their optimal utilization for conducting curricular and co-curricular activities. The facilities are also used as venues for conducting PSC examinations and bank tests, examinations of distance education and examinations of private registration programmes of the University.

4.1.2. Detail the facilities available for

a) Curricular and co-curricular activities: Classrooms and technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipments, learning & research etc.

Table: 4.1: Infrastructure Facilities for Curricular Activities

Facilities	No./ Details
Class rooms	30
Technology enabled learning spaces	Language Lab, Computer Lab, Audio Visual Theatre, E-learning Lab in the Central Library, Digital Library, Computational Chemistry Lab (PG) Computational Physics Lab (UG & PG)
Seminar Halls	Msgr. Kuriakose Chiramel Hall – 1000 seats Sanjo Hall (AC) – 60 seats Ms. Mary Pothan Hall – 60 seats C.V. Raman Hall - 20 seats Vikram Sarabhai Hall - 20 seats Mother Teresitta Hall – 200 seats
Tutorial Spaces	The classrooms allotted to each batch function as

	the tutorial space.
Laboratories	Physics P G Lab, Physics U G Lab Chemistry PG Lab, Chemistry U G Lab Zoology PG Lab, Zoology UG Lab Botany Lab <u>Specialized Laboratories</u> Microbiology Lab, Textile & Clothing Lab Nutrition Lab, Bio Chemistry Lab Dietary Counselling Centre Pre-School Training Lab Electronics Lab, Soil Testing Wing, Weighing and Instrumentation Room, Cottage
Botanical Garden	Botanical Garden, Herbal Garden NakshathraVanam, Organic Farm
Animal Houses	Fish Ponds – 4 Bird Houses for Love Birds and Doves
Specialized Facilities & Equipments for Teaching	Laptops and LCD Projectors, Smart Boards OHP Facility, Digital Library
Learning and Research Facilities	Common Computational Facility International Journal- <i>Star Research Reach</i> E- journals, Tech- Focus 4.0, E-learning Lab, Microbiology Lab, Textile & Clothing Lab, Nutrition Lab, Bio Chemistry Lab Soil Testing Wing
Zoology Museum	The specimens include rare collection of corals, butterflies, mollusca shells, stuffed animals and birds, skeletons of various animals and human beings, Embryos of different stages.

Every department has been provided with well-furnished staff rooms. Facilities in the staff rooms include bookshelves with books on the subject, desktop computers with printers, laptops, Wi-Fi connectivity, intercom, toilets, wash areas etc. Separate water purifiers are made available for each Block.

b) Extracurricular activities – sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, public speaking, communication skills development, Yoga, health and hygiene etc.

Table: 4.2: Infrastructure for co-curricular Activities

Facilities	No./ Details
Outdoor games	Open Ground
Indoor games	Table Tennis Boards, Judo Hall with mats
Gymnasium	Multi Gymnasium Centre with the following: Dumb Bells, Tread Mill, Ab-Coaster, Ab- Slimmer,

	Massager, Mini Stepper, Elliptical Bike, Home Gym
Auditorium	Msgr. Kuriakose Chiramel Hall - 1000 seats Sanjo Hall (AC) - 60 seats Mother Teresitta Hall - 200 seats C.V. Raman Hall - 20 seats Vikram Sarabhai Hall - 20 seats Ms. Mary Pothen Hall - 120 seats
NSS	Seven day camp and mini camps, Outreach programmes, Share-a-Meal Programme, Awareness programmes for society, Personality development programmes, Social works programmes, Abhaya Bhavan visits, E-Jalakam, E-waste management, Crisis management, Legal Awareness Classes.
NCC	Awaiting sanction.
Cultural activities	The Auditorium and the seminar halls are made available for the meetings and the cultural activities of the students.
Public speaking, communication skills development.	Finesse Circle (Oratory Club), HRD Club, Language Lab
WWS,SSP	Allotted office room. Classrooms and seminar halls are allowed on request.
Yoga, health and hygiene	<ul style="list-style-type: none"> ➤ Yoga and Fitness Centre ➤ First-aid boxes are kept in the college and the departments and the laboratories. ➤ Chemistry labs and Library have fire extinguishers. ➤ There are adequate numbers of toilets for girls, cleanliness and maintenance of which are strictly monitored. ➤ The college has appointed supportive staff to keep the campus clean and to maintain hygiene. ➤ Common toilet for outsiders and gents. ➤ Sanitary Pad Vending Machines – 3 ➤ Incinerator- 3
Red Ribbon Club	Red Ribbon Club is very active in creating awareness among youth on health hazards, especially AIDS.
Clubs	Eight clubs functioning under the different departments prepare students for activities at the college and the University level. They are Finesse Circle, Human Resource Development Club, Fitness Club, Akshajam Reading Club, Vibgyor, Neeharam Nature Club, Quiz Club and Jhankar Beat.

Extension Centers	St. Jude Counselling Centre Tailoring & Painting Centre Dietary Counselling Centre St. Martin Press Play School
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4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally used? Give specific examples of the facilities developed/augmented and the amount spent during the last four years. (Enclose the Master Plan of the Institution/campus and indicate the existing physical infrastructure and the future planned expansions if any.)

Table: 4.3: Facilities Developed during 2011-2016

Year	Facilities	Amount spent
2011-13	Expansion of hostel with 30 bed space (supported by the UGC)	80,00,000
2013-14	New three- storied building for M.Sc. Chemistry Lab & C.V. Raman Hall, M.Sc. Physics Lab & Vikram Sarabhai Hall, Ms. Mary Pothen Hall, Gymnasium & Yoga Centre, Toilets.	1,03,02,639
2014-15	Renovation of the Main Block, interior designing and refurbishment of the Principal's room, office, laboratories, Chapel, Administrative Office, IQAC Room, Administrative Area & Library Block	86,37,195
2015-16	Medicinal Plant Garden	50,000
2015-16	Digital Library	5,00,000

Future Plans

- Indoor Stadium
- Research Labs
- New class rooms
- More IT enabled class rooms
- Solar Power Units
- Rainwater harvesting units for all blocks.
- Digital Theatre
- Introduce KOHA for Library Automation.

4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

The college is prepared to provide necessary facilities when and where need arises. Differently abled students are provided special rooms with due care and attention during University exams.

4.1.5 Give details on the residential facilities and provisions available within them:

- The College Hostel gives accommodation to the staff and the students of the college as well as that of other institutions. At present, there are about 250 inmates including the students and the staff.
- Recreational facilities are made available for the inmates of Morning Star Hostel. The hostel is situated so adjacent to the college that the staff and the students staying in the hostel can make use of the facilities in the college like Gymnasium and Yoga Centre. Evening recreations include light outdoor games like shuttle badminton in the college ground in front of the hostel. Indoor board games like chess and caroms help to provide relaxation and enjoyment to the hostel inmates. Evenings and holidays in the hostel are made use of to prepare for the cultural extravaganza ‘Morning Star Hostel Day’ which is conducted every year. The kitchen and housekeeping staff of the hostel are also given recreational provision including movies played for them once a week.
- Hostel inmates with psycho-social incompatibilities are guided to the Counselling Centre functioning in the campus.
- The accounts and student details of the hostel are kept in the hostel warden’s computer which is provided with Wi-Fi internet connectivity. Inmates can make use of internet facility at emergency situations on request. Inmates are allowed to use laptops for their personal study needs.
- First aid facility is available in the hostel. In case of an emergency, the sick are taken to the nearest hospital in the college van. The hostel warden herself acts as the driver of the van.
- Two newspapers- one English and the other Malayalam- are subscribed in the hostel. The hostel library has 500 books. Inmates can make use of the reading cum library room and study hall facilities to have concentrated reading and study.
- Movies are played in the common hall on the ground floor provided with audio visual equipment. The common hall on the second floor is utilized for celebrating special occasions and for giving orientation talks to the inmates of the hostel.
- A Chapel for prayer and a separate prayer area meet the spiritual requirements of the inmates.
- Visitors and special invitees are received in the Guest Room at the main entrance of the hostel.

4.1.6 What are the provisions made available to the students and staff in terms of health care on the campus and off the campus?

- General medical check-up is conducted annually for the final year students.
- The Dietary Counselling Centre, functioning under the Department of Home Science, gives counselling and directions on healthy dietary habits.

- First aid facility is provided to all the students through the departments, the Reception and the Sick Room.
- Those who are in need of further medical care are taken immediately to the nearby hospital either in the college van or in the private vehicles of the staff.
- The services of doctors shall be made available from Stella Maris Hospital, Edakkunnu, run by the same management as that of the college, in case of a need.
- A number of health awareness programmes are arranged in the college by the Department of Home Science and the National Service Scheme including first aid training and blood donation camps.
- The college rears a medicinal garden with herbs that are useful for common illnesses and tries to create awareness in the students on the use of these herbs.
- The equipment in the Health and Fitness Centre in the college is used by the staff, the students and outsiders for developing fitness and slimming of figure.

4.1.7 Give details of the common facilities available on the campus – spaces for special units like IQAC, Grievance Redressal Unit, Women’s Cell, Counseling and Career Guidance, Placement unit, Health Centre, Canteen, Recreational spaces for staff and students, safe drinking water facility and auditorium.

Table: 4.4: Common Facilities Available on the Campus

Common Facilities	Description
IQAC	Well-furnished office with computer, internet, printer, scanner and cupboards for documentation.
Women’s Cell	Seminar Halls are provided for the gatherings and activities of Women’s Cell.
Counselling	A Counselling Centre functions in the campus as a separate wing and gives good service to the students who require special attention.
Career Guidance, Placement Unit	Career guidance classes and opportunities for campus selection are provided.
Health Centre	The first aid room has the following facilities: a cot with bed and sheet, pillow with cover, fan, washbasin, hand towel, soap, cupboard, first aid box containing wound dressing set – gauze, cotton, Dettol, Betadine ointment and medicines for other common ailments. An office attendant is deployed to help the students. All departments have first aid boxes. Chemistry labs and the Central Library have fire

	extinguishers.
Refreshment Zone	Neat, ventilated and cosy refreshment zone. The hostel mess serves quality food at subsidized rate to staff and students.
Recreational space for students	The cement benches under the shade of flowery trees around the college ground are a favourite space for friendly gatherings, recreation and study. Dr. Kalam Garden Library, the lush central courtyard of the Nazareth Block, canteen and the vegetable gardens at different spots offer comfortable recreational experience.
Non-Teaching Staff Room	The non-teaching staff of the college is given a private recreation room solely for their use.
Safe drinking water	4 Water filter cum coolers are provided, one in each block. Besides, the Nazareth Block water filter. Filtered water is available in the library, auditorium and canteen. Two wells in the campus provide safe drinking water.
Auditorium	Msgr. Kuriakose Chiramel Hall (main auditorium) with 1000 seats. (700 seats at the base floor and 300 seats in the balcony.) Mother Teresitta Hall with 200 seats.
Chapel	Open to all for prayer. Services provided include Holy Mass, confession, prayer meeting and meditation.
Store	The store attached to the canteen provides essential stationery to the staff and the students. Text books and other requirements are made available on demand. The sanitary pad vending facility is a help to those who are in need.
Play School	The play school functions as a separate unit in the same campus. The play school has 3 classrooms, enough number of toilets, play areas- both indoor and outdoor- with play things including riders, slippery slide, swing and see-saw. A supervisor, a teacher and a nurse maid have been appointed to take care of the tiny tots.
Generator	Two generators control power supply and provide electricity to the entire campus. One transformer is newly installed.
Incinerators	Three incinerators are used to burn the sanitary napkins and waste.
CCTV	The Principal's Room, Administrative Office, Library, Nazareth Block and exam halls are under CCTV surveillance. The recorded visuals are under due monitoring.
Public Address System	<ul style="list-style-type: none"> • The college website is the chief means of reaching out to the public. All the essential details about the college and notifications of the events happening are duly published in the website. • The college handbook cum calendar, the prospectus and the

	<p>college magazine are also ways through which the public get to know more about the college.</p> <ul style="list-style-type: none"> • Announcements in the college are made from the ground floor of the Main Block through the speaker systems situated all through the campus. • Two Notice Boards on the ground floor of the Main Block communicate all the important notifications to the students. • All departments have separate notice boards where information related to the department / activity is exhibited. • An LCD TV is used to display videos and photos of college events and important notifications. • The Grievance Redressal Cell functioning in the college deals with the grievances of the students reported informally by the students or placed in written form in the grievance box.
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4.2 Library as a Learning Resource

4.2.1 Does the Library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/ user friendly?

Yes. The Library Advisory Council consists of the Principal as the ex-officio President and the Librarian as the Secretary. Other members are the Vice-Principal, Heads of two departments and one student representative (College Union Chairperson). The Council meets as and when required. The suggestions of the Council have helped to ensure the reach of the services of the library to more users. Some of the suggestions are as follows:

- Find time for a library hour to promote reading habit among students.
- Give training on how to seek information from the internet.
- Add more books to the existing library collection.
- Help the users to find information from e-resources.
- Equip students to use computer to prepare texts, project reports etc.
- Arrange an orientation programme for the teachers to create awareness on digital library.

The aforesaid suggestions were implemented as follows:

- A Reading Club was formulated and different programmes like book exhibitions, book talk, quiz competition, poster competition, reading literary works of different authors etc. were conducted to promote reading habit among the students.

- Book Buffet was introduced to the students as a way of encouraging them to use the collection provided freely and it was found successful.
- Book Bank service was started to facilitate the availability of academic books for extended periods of time, especially for the slow and advanced learners and financially backward students.
- The newspaper reading room was made open from 8.00 am to 5.30 pm as against the earlier 9.30 am to 4.30 pm (the working time allotted by the government).
- A Garden Library- Dr. Kalam Garden Library- was started for students where they can read, make discussions and study in groups without any restrictions.
- Morning Star Mobile Library, a mobile library system, was introduced as an extension programme of the library. In this project, books are made available to the local population of Ward VII of Nedumbassery Grama Panchayath. Study material for school students are also made available as per their request.
- The students are given computer and internet facilities in the library and the library staff assist them in finding the right piece of information from the web.
- Steps have been taken to improve the library collection and now the book collection is 15900. This shows an increase of 5000 books after the previous NAAC visit time. Quality and relevance are our prime concern in the selection of books. The Management has readily invested fund to purchase books and journals to the library.
- Digital Library-Techfocuz- has been introduced and institutional repository has been developed.
- Information Literacy Programme was conducted in the library and the students were given assistance in the use of the computer, especially the internet, to reduce the digital divide.
- The Management appointed an MCA holder to assist the librarian.
- The students were given an orientation programme at the beginning of the academic year. Special sessions were arranged for the new comers.
- The IQAC of the college arranged a training session for the faculty members to use e-resources and the newly begun digital library.
- Observed Reading Day.
- A special area has been allotted in the Central Library for career oriented books.

4.2.2 Provide the details of the following:

- **Total area of the Library** : 489 sq. m.
- **Total seating capacity** : 100
- **Working hours** : 9.00 am - 4.30 pm (No closing at noon).
- **Newspaper Reading Room** : 8.00 am to 5.30 pm

Table: 4.5: Library Timings

On working days	9.00 am- 4.30 pm
On holidays (Saturdays)	10.00am -3.00 pm
Before examination days	As usual. More time provided on request.
During examination days	More time is allowed as per need.
During vacation	9.30 am – 4.00 pm

- **Layout of the Library:** There is separate provision for accession, circulation, reference and maintenance sections. Separate computer lab and digital library facility are available. Books are arranged subject wise for which Dewey Decimal Classification (DDC ed. 22) scheme is used.

4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

The Librarian collects the list of books needed for the different departments from the respective heads. Books are purchased as per the availability of funds. When the fund available is insufficient, the Management provides money to purchase books. The teachers of the concerned departments and the librarian together make the selection of books.

Table: 4.6: Details of Library holdings

01	Print	Books 15900	Text Books	3500
			Encyclopaedia	50
			Reference books	800
			Thesis/Projects	150
02	Non-Print		CD-ROMs	500
			Audio-visual films	Nil
03	E-Books	E-Resource Mode	Digital Library INFLIBNET NLIST Internet usage	

4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection:

- **OPAC:** The catalogue is available in the library in a separate node.
- **Electronic Resource Management Package for e-journals:** E-resources can be freely accessed in the library.
- **Library web site:** The Library has no separate web site. As the digital library is in progress separate website shall be created.

- **In-house/ remote access to e-publications:** In- house access is available.
- **Library automation:** The Library is automated. For automation, the software called Advanced Library Management Information System is used. The Library is planning to start KOHA.
- **Total Number of computers for public access:** Seven computers are there for public access.
- **Total number of printers for public access:** One laser printer, one colour printer and one photocopier are available.
- **Internet bandwidth/speed:** 6 mbps
- **Institutional Repository:** Using Tecfocuz Digital Library Software, scanned copies of library collections – books, projects, theses and question papers.
- **Participation in Resource sharing networks/consortia (like INFLIBNET):** NLIST consortium of INFLIBNET is available.

Table: 4.7: Details of Library facilities

Library facilities	Utility
Classified arrangement of books	Easy location of needed books
Open access system	Users can make searches as per their need.
Current awareness service	Users can browse the newly added books.
Reference service	Satisfies the information needs of the user. Library personnel help the users to find out the right piece of information
Book Bank	Long term loan is available for needed students.
Career Book Collection	Helps to prepare for PSC test, NET exam and other competitive examinations.
Mobile Library	One ward of the Panchayath benefit through this library extension programme.
Book Buffet	Books are displayed in order to catch the attention of the users so that they can come in touch with them and thus to promote reading
OPAC	Separate Node is provided to browse the library catalogue. Proper guidance is given to search the Information system
Digital Library TECHFOCUZ & Institutional repository	Multiple access and remote access to the library collection.
INFLIBNET NLIST programme	Access to e-resources
Computers with internet facility Wi-Fi is available	Training is given to the students to retrieve information needed for project works, power

	point presentations etc.
Photocopy and printing	Photocopy and printing facility (including colour printing) are available.
Property counter	Ensures the safety of the belongings of the users.
Garden Library	For leisure time reading and group study.

4.2.5 Provide details on the following items:

- **Average number of walk-ins:** 75
- **Average number of books issued/returned:** 75
- **Ratio of library books to students enrolled:** 27:1
- **Average number of books added during last three years:** 1011
- **Average number of login to OPAC:** 50
- **Average number of login to e-resources:** 25
- **Average number of e-resources downloaded/printed:** 15
- **Number of Information Literacy trainings organized:** Three. All the students are given one programme at the beginning of the academic year. Informal assistance is given as and when required.
- **Details of weeding out of books and other materials:** At the end of every academic year, stock verification is conducted. Damaged, outdated and mutilated books are weeded out. Separate register is maintained for this.

4.2.6 Give details of the specialized services provided by the library:

- **Manuscripts:** Nil
- **Reference:** The Librarian and the library assistant provide reference service to the users. The Librarian personally helps the students to trace out citations. Web sites with scholarly articles are introduced to the students and help them to trace out the right piece of information. Proper guidance is given to take citations.
- **Reprography:** We provide reprographic service.
- **ILL (Inter Library Loan):** Students from other colleges are allowed to use the library as per request and to take photocopies of entire text or necessary articles.
- **Information deployment and notification:** Brochures of higher education institutions are displayed on the notice board.
- **Download:** The computers in the library are freely provided to the students and they are helped to download/ print the matter.
- **Printing:** The students are free to use the computers in the library. They make use of them to prepare their project works. Printer facility also is available. Colour print is also provided.
- **Reading List/Bibliographic compilation:** We help the students to compile bibliography using style manual.

- **In-house/remote access to e-resources:** Computers with internet facility are available to the staff and the students. We promote the use of e-resources and articles. Institutional Repository is also available.
- **User Orientation and awareness:** User orientation programme is conducted at the beginning of the academic year for each class. Special session is given to the freshers.
- **INFLIBNET/IUC facilities:** NLIST online database of INFLIBNET is available in the library.

4.2.7 Enumerate the support provided by the Library staff to the students and teachers of the college.

The library staff maintains a pleasant and welcoming ambience to the students. Circulation service, reference service, current awareness service, reprography service etc. are provided. Moreover, personal attention is given to students in locating books from the classified arrangement. Books on competitive examinations, PSC examinations and NET are made available. We assist the students to prepare slides for power point presentations, texts, project works, etc.

4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.

Since such a necessity has not occurred so far, no such facilities have been offered at present.

4.2.9 Does the library get the feedback from the users?

The students are free to meet the Librarian and informally give suggestions in purchasing useful books. Library Advisory Council members give their suggestions. A suggestion box is also maintained. Survey among users helps to obtain feedback on their use of the Library.

4.3 IT Infrastructure

4.3.1. Give details on the computing facility available (hardware and software) at the institution.

Table: 4.8: Number of computers with configuration

Configuration	No. of computers
Windows 7 professional, sp1, processor- intel core i3, RAM-2GB, System type-32bit, Manufacturer-Acer	12
Windows xp, sp2, Pentium R Dual core CPU, version 2002, 1.99GB	25
Windows 7, Pentium R (Dual core CPU)	19

Windows 7, Pentium R (Dual core CPU)	7
Windows xp, version 2002, intel, celeron, 504 MB RAM	3
Windows xp, version 2002, Pentium Dual core cpu, 1.96GB of RAM	3
Windows xp, version2002, AMD Sempron processor, 448 MB	1

- **Computer student ratio: 1:16**
- **Stand alone facility:** Yes
- **LAN facility-**Available
- **Wi-Fi facility-**Available
- **Licenced Softwares:**
 - Windows XP; 7
 - Linux IT @school
 - Smartboard software
 - Tally ERP9
 - PH Stat
 - Techfocuz4.0™
 - Chem sketch
 - Chem Draw
 - GAMESS
 - Language Lab Software
 - Library software for issue of books, stock verification, attendance.
- **Number of nodes / computers with internet facility:** 47
- **Any Other:**
 - Servers-5
 - Hardware lab-1
 - Computational Chemistry Lab-1
 - Computational Physics Lab-2

Table: 4.9: Computing Facility Available

Department	LCD	OHP	PC	Laptop	Printer	Smart Board	Scanne	Others
Chemistry	2	1	6	1	2	0	0	VCD-1, Camera-1
Physics	2	0	13	0	4	0	0	VCD-1, Camera-1
Zoology	3	1	4	1	3	0	0	VCD-1, Camera-1
Commerce	1	0	1	0	1	0	0	VCD-1
Economics	1	0	1	0	1	0	0	VCD-1, Camera-1
English	1	0	1	1	1	0	0	VCD-1, Camera-1
Home Science	2	1	2	3	2	0	1	TV-1 VCD-1, Camera-1
Library	1	0	11	1	2	0	1	Photostat, Lamina- tion Machine
Office	1	0	6	0	2	0	1	Photostat

Principal's Room	0	0	1	1	1	0	0	-
IQAC Room	0	0	1	0	1	0	1	Photostat
Computer Lab	0	0	12	0	1	0	1	Photostat
Language Lab	0	0	11	0	0	0	0	-
Audio Visual Room	1	0	0	1	0	1	0	-
Seminar Hall	1	0	0	0	0	1	0	-

4.3.2 Details on the computer and internet facility made available to the faculty and students on the campus and off-campus.

- Centralized server.
- Internet facility in all departments with 6mpbs bandwidth.
- Digital library.
- 6 terminals with internet facility in the Central Library.
- Language Lab with 11 terminals is available for the staff and the students with interactive software.
- Wi-Fi facility.
- E-learning space.
- Smart Boards in the Seminar Hall and in the Audio-Visual Room (Angelica Theatre).
- Hardware lab.
- Departmental labs.

4.3.3 Plans and strategies to upgrade IT infrastructure and Associated Facilities

- Equip all the departments and seminar halls with laptops.
- Bring networking to all the computers in the college.
- Encourage students to make power point presentation for their seminars, submit assignments online and use technology to access resources for their projects.
- Introduce online application system for appointment to the vacancies of teaching and nonteaching staff. Already the institution has received in its e-mail a number of resumes requesting for placement.
- Increase the number of smart boards and use them effectively in imparting information.

4.3.4 Provide the details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of computers and their accessories in the institution.

Table: 4.10: Annual Budget on Computers

ITEM	2012-2013	2013-2014	2014-2015	2015-2016	Total
Computers	100000	100000	100000	70000	415150

Annual expenditure of internet			222222	222222	444444
Maintenance	20000	35000	35000	40000	170000

4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer aided teaching/learning materials by its staff and students?

- The students are expected to make the maximum use of technology in the preparation of projects, seminars, presentations and assignments.
- They are encouraged to submit the prepared material online.
- They collect study materials and references from the internet.
- The students are encouraged to apply for scholarship online.
- Training was given for the faculty on the use of smart board.
- E-jalakam, a training programme for students of the college by the students of the college, was arranged by the NSS. In this programme, basic awareness on reaching the governmental documents was provided.

4.3.6 Give examples on how the learning activities and technologies deployed by the institution place the student at the centre of the teaching-learning process and render the role of a facilitator for the teacher

- PG students are promoted to use LCD projectors for their presentations. The teachers also use audio-visual methods for taking classes.
- The staff of the Library and the Computer Lab assist students in giving them training to prepare for Power Point Presentations, download papers, attach papers and sending them via e-mail.

4.3.7. Does the institution avail of the national knowledge network connectivity directly or through the affiliating university?

The college is a member of the NLIST consortium of INFLIBNET. The staff and the students make use of the e-resources available through this facility.

4.4 Maintenance of Campus Facilities

4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (details of budget allocated during last four years):

The budgetary allocation is fully and efficiently utilized. The grants from the UGC and the support from the Alumni, the PTA and the staff are utilized properly by planning the budget. The budget allocated for maintenance and upkeep of campus facilities for the last four years are given below:

Table 4.11: Budgetary Allocation on Campus Facilities.

ITEM	2012-2013	2013-2014	2014-2015	2015-2016	Total
Building	3,60,000	96,00,000	1000000	3,01,516	1,25,00,356
Furniture	13,500	13,650	14,000	15,450	82,100
Lab equipments	2,70,927	17,71,000	7,50,000	4,12,725	40,09,122
Computers	1,00,000	1,00,000	1,00,000	70,000	4,15,150
Library (Books & Journals)	1,08,036	2,61,067	3,54,582	4,02,088	12,80,066

Table 4.12: New equipments

Equipment	No.
○ LCD	11
○ Laptop	4
○ Computer Chairs	16
○ Computer Table	5
○ Lecture Stand	13
○ Refrigerator	3
○ Paraffin Embedding Bath	1
○ Ocular Micrometre	1
○ Sewing Machine	2
○ Generator	1
○ Microscopes	11
○ Digital camera	2
○ Water filter cum cooler	4
○ Fume hood (Chemistry UG & PG lab)	2
○ Ice breaking machine (M.Sc. Chemistry)	1
○ Laminar Air Flow (M.Sc.Zoology)	1

- A Ball Pool was newly set up in Morning Star Play School - the observation lab of B Sc Family and Community Science students. UGC grant of Rs. 2,00,000/- was utilized for the tiling and maintenance of the play school.

4.4.2 What are the institutional mechanisms for the maintenance and upkeep of the infrastructure facilities and equipment of the college?

The annual budget is prepared by the Governing Council after a thorough assessment and consideration of the suggestions made by the Construction and Maintenance Committee. The Bursar and the well trained permanent and temporary staff in different categories are responsible for the

proper upkeep and maintenance of the infrastructure facilities and equipments of the college. Our accountant looks after the accounts of maintenance. An electrician is available on-call, especially for the Hostel and laboratories. Technicians are also available on call for the maintenance of computers and other electronic items. Computers in the Departments are managed with the financial support of the college Management.

4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/ instruments?

The calibration and precision measurements and verification of devices used in the laboratories are entrusted to the respective departments. The Management takes measures on a regular basis for the repair of the equipments and instruments whenever a complaint is registered.

4.4.4 What are the major steps for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.?)

The transformer (100KW) in our college is effectively functioning and is well maintained for avoiding voltage fluctuations. All equipments that are sensitive to electric fluctuations are connected to UPSs. Special sealed wires and ELCBs are used to prevent damage that may be caused by lightning. All the buildings on the campus are provided with adequate power and water connections to meet the requirements of the students and the faculty. The Administrative Main Block, Arts Block and the Science Block and are provided with sufficient KVA diesel generators. The computers in the library are provided with backup systems with more than one hour uninterrupted power supply. Maintenance of the backup systems is carried out periodically.

The college has a regular water supply mechanism with 7 tanks and 3 wells. There are 4 water filters cum coolers in the campus to meet the requirement of drinking water. A large underground concrete water storage tank with pumps ensure constant water supply to the Hostel. A rainwater harvesting tank with an intake capacity of 3000 litres was constructed to supplement the requirements for water. In addition, Panchayath water supply is maintained in the hostel. All these facilities are maintained with the support of the PTA and the Management.

CRITERION V: STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to the students through these documents and how does the institution ensure its commitment and accountability?

The institution has a prospectus and a handbook cum calendar which are updated annually. The prospectus and handbook committee in consultation with the administrative bodies, the departments and other support systems prepare the hand book and prospectus. The information provided includes details of the following:

- Motto, Vision, Mission, History and Milestones, College Emblem, College Prayer, College Anthem.
- Governing Body, IQAC and Staff Council.
- Succession list of Managers and Principals.
- List of faculty members and ministerial staff.
- Retired faculty members and ministerial staff.
- Academic programmes, regulations of CBCSS admission procedures and rules and regulations of the college
- Details of institutional and government scholarships, awards and endowments.
- Co-curricular activities, campus facilities, student support programmes etc.
- Record of leave taken.
- Academic Calendar.
- Intercom numbers and e-mail address of faculty members.

The institution ensures its commitment and accountability through the Staff Council, the IQAC, the staff, the student representatives, the PTA and well-wishers.

5.1.2 Specify the type, number and amount of institutional scholarships/freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

Every year, 53 Scholarships/Endowments from the institution and 26 Proficiency Prizes instituted by the PTA are awarded to the students on College Day. Financial aid is made available and disbursed on time.

5.1.3 What percentage of the students receives financial assistance from state government, central government and other national agencies?

Various scholarship schemes by the central and the state governments are made available to the students through vigilant attention, timely intimation and regular follow up.

Table 5.1: Financial Assistance Received by the Students

YEAR	No. of the students receiving scholarships	Percentage
2010-2011	261	82.33
2011-2012	275	81.2
2012-2013	393	90.55
2013-2014	467	94.53
2014-2015	483	89.77

5.1.4 What are the specific support services/facilities available for

➤ **The students from SC/ST, OBC and economically weaker sections**

- As per government norms 20% seats are reserved for the students from SC/ST category in UG and PG programmes.
- The college has a well functioning SC/ST Cell to make sure that the students coming under this quota get benefitted.
- All departments, under the guidance of the concerned teachers, organize remedial coaching for these students.
- The class advisors provide counselling to the needy students.
- The college also offers tutorial sessions to orient the students, encourage them and helps in creating a healthy teacher-student relationship.
- Save- a-Star Programme is helpful in identifying and providing financial help to the students in need.

➤ **The students with physical disabilities:** The institution promotes the inclusion of the students with physical disabilities. 3% of the seats are reserved as per government rules. The service of scribes/interpreters is provided as per University rules. Teachers give special attention to the students with physical disabilities.

➤ **Overseas students:** At present, the college does not have any.

➤ **The students to participate in various competitions/National and International**

- The College Union of the College gives full support and encouragement to the students to participate in various competitions.
- Intimation regarding the competitions held in the college reaches the students through notices read in the class rooms and the details of the same are displayed on the notice boards.
- Intimation of competitions held by other institutions is displayed on the notice boards for sufficient periods of time so as to be noticed by all the students. In addition, the staff members, who are associated with the particular competition, take special care in informing, selecting and sending the students for the same. Teachers accompany the students if necessary.
- Financial assistance and attendance are given to the students who participate in competitions. Names of the winners are announced after the Morning Prayer and are displayed on the notice board.

- The winners receive felicitations and gifts in public meetings.
- The achievers are acknowledged in the College Magazine and Wall Magazine which, in turn, acts as a motivation for the other students.
- A number of students have been awarded grace marks by M.G. University every year for their participation in the NSS and Yoga.
- **Medical assistance to the students: health centre, health insurance etc.**
 - Free Medical Check up is provided to the final year students every year.
 - First Aid boxes are kept in all departments, sick room and reception.
 - Financial support for the treatment of the needy students is provided by the Management, the PTA, the staff and the students under Save-a-Star.
 - The college has link with Stella Maris Hospital, Edakkunnu run by the same management and the service of visiting doctors from the hospital is made available in the college.
 - In case of emergency the college van meets the requirement of taking the students to the nearest hospital. In such cases it is always taken care of that the staff accompanies the students and remain with them as long as their attention is needed.
 - Various classes on health issues and lifestyle diseases were provided to the students in the last few years.
 - A sick room with basic first aid facilities and a bed is made available to the students in the ground floor of the main block.
 - The college has a fully equipped Dietary Counselling Centre which gives diet counselling, diet education and dietary advice to the students.
 - The college provides a comfortable fitness environment through the well equipped gym with the best equipment. The Fitness Centre functions along with Yoga Centre under the Department of Physical Education. Members have free access to the Fitness Centre. The staff and the students of the college as well as outsiders make use of the facilities available here. The college observes International Yoga Day.
 - Red Ribbon Club organizes awareness classes for the students on Aids and its preventive measures. It also conducts AIDS awareness rallies.
- **Organizing coaching classes for competitive exams: NET coaching classes are provided for the PG students. Each department has a teacher in-charge for the coaching classes. Classes are arranged on holidays. Study materials are provided to the students.**
- **Skill development (Spoken English, computer literacy etc.)**
 - Mahatma Gandhi University has designed the syllabus of undergraduate programmes in such a way that one course in English for the first semester has been fully devoted for the development of Communication Skills.
 - In addition, an Add-On Course in Communicative English and Language Lab facility are provided by the Department of English to improve and develop the language skills of the students.
 - Diploma in Computer Applications (DCA) is conducted by the college to

- enhance better computer skills so as to equip the students for various jobs.
- Information literacy is given to the students through the Library and the Computer Lab.
- Training in Computer Programming and MS Office is given by the Department of Physics.
- Tally Course is offered by the Department of Commerce to give a basic introduction on accounting software.
- The Department of Chemistry gives training in soil testing.
- Training in Vermicomposting is provided by the Department of Zoology.
- Training in flower making, tie and dye, painting and cooking organised by the Department of Home Science helps in polishing skills.
- The Department of Economics offers training in project works. Human Resource Development Club offered by the Department of Economics promotes the entrepreneurial and creative skills of the students. The club organizes various skill development programmes like ornament making, soap making, wall décor etc. and conduct debates, seminar etc.
- Under the auspices of the National Service Scheme of the college, classes on E-Jalakam are given to the students to ensure basic computer knowledge in availing the different online services provided by the Government.
- The NSS provides training to the students in umbrella, ornaments and detergent making.
- **Support for ‘slow learners’**
- Scholar Support Programme (SSP) is provided in the college as a part of the ‘New Initiatives in Higher Education’ by the Department of Higher Education, Government of Kerala to impart additional support to the students in curricular areas where they have weakness.
- Remedial coaching is provided for academically backward students by the concerned teachers weekly.
- Tutorial classes are given by the class advisors to address grievances and to build a strong bonding with the students.
- Academic counselling is carried out by the teachers to give orientation and proper guidance to the students.
- The college also offers avenues for peer group learning as an easier and stress free method for the slow learners to cope with.
- Periodic class tests are conducted to identify the slow learners and they are given regular assistance.
- The students of first year undergraduate programmes who do not have proper exposure to certain subjects, for instance, Physics and Chemistry students who have not studied Mathematics at the Higher Secondary level and Family and Community Science students who have not studied Chemistry at Higher Secondary level are given special assistance by the respective teachers.
- **Exposures of the students to other institution of higher**

learning/corporate/business house etc.

- The students are given opportunities to participate in various seminars and workshops in other institutions and present papers.
- Field visits, study tours and picnics are organized for the students to visit places, get themselves exposed and to experience something new which makes learning more effective.
- Career Guidance and Placement Cell arranges classes that will help the students to choose a career of their interest. It also provides a platform to the students to know more about various career opportunities.
- PG students are given opportunity to carry out their projects in various institutions, research centres and industries.
- Opportunities to interact with eminent persons who visit the college are made available to the students.
- Walk With a Scholar Programme, aided by the Government of Kerala, is conducted in college to orient advanced learners towards achieving great goals in life and to prepare them for employment. Under this programme specialised mentoring sessions by experts from various fields are provided.
- **Publication of student magazines**
- The College magazine, published annually, showcases the activities of a year, the achievements and the creativity of the students of the institution. The Magazine Editor, elected from the students, assisted by Staff Editors, is in charge of the magazine.
- The Department of Zoology has a manuscript magazine ‘Biomirror’, published annually.
- The Department of English publishes the manuscript magazine ‘Cynosure’ every year.
- The Department of Economics publishes a manuscript magazine annually.
- News letters are published by the departments of Home Science, Chemistry and Physics portraying the activities of the departments of an academic year.
- National Service Scheme of the college publishes newsletter and a manuscript magazine to display the literary and artistic talents of the students.

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skill, among the students and the impact of the efforts.

- Interactions with successful entrepreneurs are arranged to motivate the students.
- The NSS and various departments conduct workshops on organic farming, jewellery making, handicrafts, food preservation, fabric painting, soap powder making etc.
- Many of our students take tuition and yoga classes, and ‘Earn While they Learn’.
- Additional Skill Acquisition Programme (ASAP), an initiative of Kerala

Government, was organised under the National Service Scheme in the college till 2013. Many students who were selected as Skill Trainers have found part time job through this programme.

- Open courses for the fifth semester UG programmes like Physical Education, Vocational Zoology, Dairy Science, Interior Decoration and Related Arts etc. help to infuse entrepreneurial skills in the students.

5.1.6 Enumerate the policies and strategies of the institution which promote participation of the students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.

- The institution offers the following platforms as opportunities for extracurricular activities: College Union, Departmental Associations, National Service Scheme, AICUF, Youth Red Cross, Clubs (Quiz Club, Finesse Circle, Fitness Club, Human Resource Development Club, Jhankar Beat, Nature Club, Vibgyor and Reading Club), etc.
- The students are promoted and trained to participate in the various events of Annual Sports Day, Youth Festival, Talents Day, Principal's Feast Day, College Day etc.
- A number of competitions are held throughout the year by the various clubs and departments in which the students can prove their mettle.
- Scholarships and awards are instituted for the Best Sports Woman and to the Individual Sports Champion.
- The overall winner of arts events is honoured with the title 'Kalathilakam'.
- Talents Day competition is conducted every year for the first year students.
- The students are promoted to take part in University Youth Festival and other such inter collegiate competitions and the institution shares the expense for participation.
- Intimation regarding competitions in other institutions is passed on to the students on time and the teachers take care to select and send the apt persons for the same.

Additional academic support, flexibility in examinations

- Full attendance is given to the students who lose classes due to practice and participation in the events.
- Extra classes are given to the students who miss classes and extra lab hours are provided to compensate the loss.
- Re-test is allowed to those who miss their internal examinations.
- Book Bank facility is provided so that they can keep it for longer periods.

Special dietary requirements, sports uniform and materials

- Refreshments/sports uniforms are provided to the participants of sports.

Any others

- Fitness Centre helps the students to stay fit.
- Training in Yoga by the Department of Physical Education.

5.1.7 Enumerating on the support and guidance provided to the the students in preparing for the competitive exams, give details on the number of the students appeared and qualified in various competitive exams such as UGC-CSIR-NET, UGC-NET, SLET, ATE/CAT/GRE/TOFEL/GMAT/ Central/State services, Defence, Civil Services, etc.

- Walk With a Scholar programme provides support and guidance to the students in preparing for competitive examinations.
- Career Guidance and Placement Cell organizes seminars/lectures to motivate the students.
- Trainers from various academies give training to develop their skills.
- Information regarding various opportunities is displayed on the notice board.
- The Central Library provides a section for career books.
- Coaching for NET exam has been started recently.

Table: 5.2: Number of Students who have Passed JRF/NET/SLET

Year	NET	JRF	SET
2011	1	-	-
2012	1	-	-
2013	4	2	1
2014	2	-	2
2015	-	-	1

Table 5.3: Names of Students who have passed JRF/NET/SLET

Year	Name of Student	Subject	Exam
2011	Shemi George	Home Science	NET
2012	Vineetha K.B.	Economics	NET
2013	Radhika V. Nair	Physics	CSIR NET JRF
	Shiby A. A.	Chemistry	CSIR NET JRF
	Parvathy M.	Home Science	NET
	Lakshmi A.S.	Home Science	NET
	Anju Krishna K.	Home Science	NET
	Anju M. and Manju M.	Zoology	KTET-Kerala Teachers Eligibility Test
	Lakshmypriya	Zoology	SET
2014	Neethu K.N.	Home Science	NET
	Manju Rajeev	Home Science	NET
	Nujaima K.	Home Science	SET
	Baby Shifa C.	Home Science	SET

2015	NIL		
2016	Yamuna G.	Zoology	SET

5.1.8 What type of counselling services are made available to the students (academic, personal, career, psycho-social etc.)

- Orientation classes are provided regularly to the students for their personality development.
- St. Jude Counselling Centre in the campus is a blessing to those who are in need of professional counselling. The students who are identified as in need of expert counselling are given counselling by trained counsellors.
- Class advisors provide personal, academic, career and psycho-social counselling to the students.
- Tutorial and remedial hours give academic support and guidance.
- Walk With a Scholar programme and Scholar Support Programme provide proper academic and career counselling.
- Medical Counselling is also provided to the final year students.

5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the Services provided to help the students identify job opportunities and prepare themselves for interview and the percentage of the students selected during campus interviews by different employers (list the employers and the programmes).

- A Career Guidance and Placement Cell function in the college to help the students to identify job opportunities and prepare themselves for interviews.
- Workshops and seminars are conducted for the benefit of the students by external organizations and other institutions.
- 12 of our students were shortlisted to various companies in the off campus recruitment at Govt. Boys High School, Aluva conducted by MANVISH Academy.

Table 5.4: Agencies that Visited the College during 2010 – 2016

Sl. no	Agency	Programme	Year
1.	G Tech Computer Centre	Computer Awareness	2009-10
2.	Bajaj Alliance Insurance Company	Talk on Job Opportunities	
3.	Spectrum Softech Solutions Pvt. Ltd.	Campus Recruitment	
4.	Angel Blues	Campus Recruitment – Seminar on Career Opportunities, Communicative English	2011-12

		and Personality Development	
5.	WIPRO	Campus Recruitment	
6.	INFOSYS	Off Campus Recruitment	
7	Lumina	Two Day Orientation Programme	2012-13
8	Netware IT Solutions	Seminar on Computer Networking	
9	Eureka Forbes	Campus Recruitment	
10	Kingfisher Training Academy	Talk on Career Awareness	
11	Reliance Life Insurance Company	Talk on Career Awareness	
12	Edu Duke	Talk on Careers in Management and a Competitive Test.	
13	Higher Education Council of Kerala	ASAP[Additional Skill Acquisition Programme]	
14	Chopras	Seminar on Shaping Lives and Careers	2013-14
15	Spectrum Softech Solutions Pvt. Ltd.	Campus Recruitment and Talk on Facing Interview	
16	Guider's Academy	Workshop on Self Awareness	
17	Speed Wing Aviation Academy	Talk on Career Development	2014-15
18	St. Jude Counselling Centre	Talk on Importance of Career Choice in Life	
19	Triumphant Institute of Management Education [T I M E]	Seminar cum Interactive Session on Personality Development.	
20	Higher Education Council of Kerala	ASAP[Additional Skill Acquisition Programme]	
21	Nehru College of Management	Talks on Career Development	2015-16
22	Chavara Institute of Management and Media Studies, Ernakulam	Talk on Career Guidance	
23	Career Guidance Wing- Malayala Manorama Daily	Orientation Class	
24	MANVISH Academy	Off Campus Recruitment	

5.1.10 Does the institution have a student grievance redressal cell? If yes,

list (if any) the grievances reported and redressed during the last four years.

Yes. The institution has a student Grievance Redressal Cell. The following are the actions taken on the basis of the grievances reported.

- Computer and internet facilities were provided in the Library and the Computer Centre.
- Provided photostat facility in the Library and the Computer Centre.
- New uniform, keeping in tune with the sartorial trends of the times, was introduced in the academic year 2016-2017.
- Installed more water purifiers cum coolers.
- Constructed new toilets.
- Constructed more wash areas.
- More fans installed in auditorium and class rooms.
- Election to the College Union was changed to the parliamentary pattern as against the presidential pattern that was followed in the campus.

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

The college has a Committee Against Sexual Harassment which takes care that no incidence in this regard takes place in the campus. The Principal, Heads of the Departments and Councillors are the members of the Committee. Awareness classes and training for self-defence are arranged by the Women's Cell and the NSS regularly.

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

No instance of ragging has been reported to the Anti Ragging Committee, which is very effectively functioning in the college.

5.1.13 Enumerate the welfare schemes made available to the students by the institution.

- The needy students are provided with uniforms/books/noon meal and free hostel accommodation under Save - a -Star, a charity programme.
- Endowments, Scholarships and Freeships are provided to the students by the Management, the PTA, former faculty and the Alumni Association. State and Central Government Scholarships are also given to the students.
- Counselling Centre in the campus provide counselling to the needy students.
- Value Education Classes are arranged on every Wednesday.
- Remedial and Tutorial classes on all Mondays and Tuesdays endow academic and personal development and establish a healthy teacher-student relationship.
- WWS and SSP programmes give proper guidance in higher learning

process.

- Various clubs are introduced to mould and develop their talents.
- The store in the campus ensures easy availability of things.
- The canteen cum store meets the immediate necessities of the students.
- The Library provides facilities like NLIST of INFLIBNET, e-books, book buffet, career books, book bank etc.
- The college provides hostel facility inside the campus itself.

5.1.14 Does the institution have a registered Alumni Association? If ‘yes’, what are its activities and major contributions for institutional, academic and infrastructure development?

The college has an active and proud group of alumni spread across the globe. The members of the Alumni Association meet together in the college every year on the ‘Alumni Day’, i.e., the second Saturday of August. The alumni have put in their valuable contribution to the development of the institution.

- The Alumni Association has instituted Best Outgoing Student Award in the respective departments.
- The Alumni serve as resource persons for seminars and classes.
- Many of the alumni serve as guest lecturers in this institution.
- The Alumni Association arranges farewell meetings for the retiring faculty.

5.2 Student Progression

5.2.1 Providing the percentage of the students progressing to higher education or employment (for the last four batches) highlights the trend observed.

Table 5.5: Student Progression

Student progression (in %)	2010-11	2011-12	2012-13	2013-14	2014-15
UG to PG	48.2	45	39.4	37.9	44.88
PG to Ph.D.	5	-	5	5.2	-
Employed through Campus selection	-	9	5	3	12
Other than Campus selection	31.34	39.6	34.575	37.45	14.04

5.2.2 Provide details of the programme-wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

Table 5.6: Pass Percentage in the Last Five Years for the UG Courses

Department	2011-12	2012-13	2013-14	2014-15	2015-16
Home Science	100.0	88.88	100.0	75.0	39.0
Zoology	100.0	100.0	87.0	87.0	65.4
Physics	100.0	100.0	100.0	96.4	32.0
Chemistry	95.0	100.0	96.0	93.0	58.0
Economics	80.0	70.6	86.49	89.74	14.0

Table 5.7: Pass Percentage in the Last Five Years for the PG Courses

Department	2011-12	2012-13	2013-14	2014-15	2015-16
Home Science	100.0	66.6	87.5	87.5	Result Awaiting
Zoology (Self financing)	100.0	85.7	90.0	86.0	Result Awaiting
Physics (Self financing)	-	-	-	40.0	Result Awaiting
Chemistry (Self financing)	-	-	-	58.3	Result Awaiting

5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

- WWS programme gives proper guidance to higher levels of learning and provides opportunities to interact with many successful personalities.
- Career guidance programmes enable the students to choose a proper career.
- Motivational and personality development classes provide the students with proper direction in their life.
- Lectures in Morning Star Lecture Series by eminent subject experts give exposure to recent trends in higher learning process.
- Coaching for NET and a Diploma course in Computer Applications are provided to the students.

5.2.4 Enumerate the special support provided to the students who are at risk of failure and dropout?

- Student Support Programme gives special support to proceed further.
- Remedial classes give the confidence to face examinations and succeed.
- Peer group learning is encouraged in the campus.
- The Principal and the teachers in charge visit the house of the students who are at the risk of dropping out and make them motivated and interested to study further.
- In cases where the Principal and the staff feel it necessary to contact and

counsel the parents, the same is done on an emergency basis and steps are taken in consultation with the parents.

- Save-a-Star programme provides financial support to the financially challenged students. No student of the college shall drop out for want of funds. In addition to this scheme, all possible fee concessions and allowances on humanitarian grounds are made available to the students.

5.3 Student Participation and Activities

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to the students. Provide details of participation and program calendar.

Sports and Games

- Shuttle badminton
- Yoga
- Aerobics

Facilities Offered: Gymnasium, Table Tennis Table, Judo Mat

Cultural and other extracurricular activities

- Clubs
- National Service Scheme
- AICUF
- Youth Red Cross
- Red Ribbon Club
- Departmental Associations
- Women's Cell
- Jesus Youth

5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University/State/Zonal/National/International, etc. For the previous four years.

Table 5.8: Student Achievements

2012-2013	
Jincy Thomas and Anisha Anto	First prize in <i>Face painting competition</i> conducted at MG university level
Iyrin.B.Menachery	Third prize in <i>Cooking Competitions</i> held at Naipunya College, Pongam on 20 September 2012.
Stephy Paulson	First prize in <i>Poster Competition</i> held on World Food Day at General Hospital, Ernakulam.
Joselin Jose and Delna Mary Babu	Third prize in <i>Poster Competition</i> in the World Health Day competitions held at General Hospital, Ernakulam on 8 April 2013.
Neema Mathew	Award instituted by Rotary Club for the best student in

	III year chemistry.
2013-2014	
Yoga Team	First in Yoga Championship at University level.
Reshmipriya Das K. and Anju Krishna	First prize in <i>Recipe Contest</i> in World Health Day competitions held at General Hospital, Ernakulam on 8 April 2013.
Joseline Jose and Delna Mary Babu	Third prize in <i>Recipe Contest</i> in World Health Day competitions held at General Hospital, Ernakulam on 8 April 2013
Joshna Maria George and Sujina E.	Second prize in <i>Poster Competition</i> in World Health Day competitions held at General Hospital, Ernakulam on 8 April 2013.
Sujina E. Ann Baby Ninju Paul	Elected as a member of MG University Yoga Team in the year 2013-2014
Shincy Sivadas	Second rank in the University exams of B.Sc. Family and Community Science
Tes Thomas	Third rank in the University exams of B.Sc. Family and Community Science.
2014-2015	
Yoga Team	Third in <i>Yoga Championship</i> at the University level.
I B.Com. students	First position in <i>Thematic Dance</i> and 3rd position in <i>Business Quiz</i> at “AEGLE Yuva 2014” an inter-collegiate management fest organized by Albertian Institute of Management on 20 October 2014
I B.Com. students	Second prize and cash award in <i>Thematic Dance</i> competition conducted by De Paul Institute of Science and Technology (DIST), Angamaly
Ayona Antony	Second position in the intercollegiate seminar presentation held at U.C. College, Aluva on 12 February 2015.
2015-2016	
Yoga Team	Third in Yoga Championship at the University level.
Jesty Poly	“ <i>Miss Yoga -M.G University</i> ” title in Yoga Competition organized by Mahatma Gandhi University National Service Scheme & Department of Life Long Learning and Extension on National Yoga Day 21 June 2015 at Kottayam.
Sreelakshmi P. Venu	<i>First Runner Up</i> title in Yoga Competition organized by Mahatma Gandhi University National Service Scheme & Department of Life Long Learning and Extension on National Yoga Day 21 June 2015 at Kottayam.
Rene Jose Cherian	First prize in the <i>Intercollegiate Power Point</i>

K.	<i>Presentation</i> held in connection with Ozone Day observation organized by Sree Sankara College Kalady in September 2015.
Rene Jose Cherian K.	A Grade in Poetry Recitation (English) competition in connection with Mahatma Gandhi University Union Youth Festival held at Thodupuzha during March 10-14, 2016.
Athulya Beshi and Agnas P. Jimmy	First prize in <i>Quiz Competition</i> organized by Nedumbassery Grama Panchayath in connection with Independence Day on 10 August 2015.
Agnas P. Jimmy and Ms. Anna Serene Saju	Third prize in <i>Inter Collegiate Quiz Competition</i> on Indian Freedom struggle organized by NSS Unit Marthoma College, Perumbavoor on 6 November 2015.
Pearl Jo An K. and Ms. Akshitha M. R.	First Prize in <i>University Level Quiz Competition</i> as part of National Youth Day on the topic “Life and Teachings of Swami Vivekananda” organized by Mahatma Gandhi University National Service Scheme at Kottayam on 12 December 2015.
Jesty Poly	Got selection to <i>NSS National Camp</i> from the MG University
Meera Varghese	Second prize in the <i>State Level Essay Competition</i> organized by National Safety Council on the topic “Electrical Accidents and causes” (Malayalam).
Dona John	First prize in the <i>State Level Essay Competition</i> organized by National Safety Council on the topic “Electrical Accidents and causes” (English).
Josna and Team	First prize in <i>Street Play</i> in the National Nutrition Week celebration competitions held at GH, Ernakulam on 3 September 2015.
Aleena and Team	Second prize in <i>Street Play</i> in the National Nutrition Week celebration competitions held at General Hospital, Ernakulam on 3 September 2015.
Athira and Ancili	Second prize for <i>Poster Competition</i> in the National Nutrition Week celebration competitions held at, General Hospital Ernakulam on 3 September 2015.
Bensy Baby and Vinaya Jose	Third prize for <i>Poster Competition</i> in the National Nutrition Week celebration competitions held at, General Hospital Ernakulam on 3 September 2015.
Aleena Antony and Preena Apraem	First prize in <i>Flower Arrangement</i> competition held in the Inter Collegiate competition, ‘Silpakar 2016’ at St.Xaviers college, Aluva on 12 February 2016.
Hafsana.M. and Anisha John secured	First prize in <i>Pudding competition</i> held in the Inter Collegiate competition, ‘Silpakar 2016’ at St.Xaviers college, Aluva on 12 February 2016.

Sana P. S.	First prize in the intercollegiate KSCSTE <i>Sponsored Essay Competition</i> conducted in connection with Ozone day at Sree Sankara College, Kalady
Soumya A.C.	First prize in the intercollegiate KSCSTE sponsored <i>Essay Competition</i> conducted in connection with Ozone day at Sree Sankara College, Kalady
Anna Serine Saju	Third prize in the <i>Inter Collegiate Quiz</i> competition on Indian Freedom struggle organized by NSS unit Marthoma College , Perumbavoor
Anna Serine Saju	Third prize in <i>Quiz competition</i> in connection with Independence Day celebration of Nedumbassery Grama Panchayath
Athira Venu	First prize in <i>Essay Competition</i> on KSCSTE sponsored World Environment Day celebrations conducted at St. Xavier's College Aluva.
Aswathy Suresh	First prize in <i>Painting Competition</i> on KSCSTE sponsored World Environment Day celebrations conducted at St. Xaviers College, Aluva.
2016-2017	
Sr.Sini Kurian	First prize in <i>Malayalam Essay</i> writing competition in the Inter Collegiate competition in connection with International Youth Day 2016 held at UC College, Aluva on 20 June 2016.
Jesty Poly	Selected as the Best NSS volunteer under Mahatma Gandhi University, Kottayam.

5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

- Feedback is collected every year from the final year students.
- Feedback is collected from the alumni for quality enrichment.
- Feedback is collected from the parents.
- Feedback is collected from the staff.
- College Council, IQAC, PTA, Alumni Association etc. give necessary suggestions to improve the performance of the institution

5.3.4 How does the college involve and encourage the students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/materials brought out by the students during the previous four academic sessions.

- College magazine is published every year. The students can contribute their articles, drawings, paintings to the magazine.
- Departments publish News letter/Manuscript magazine regularly.
- The various poster competitions and exhibitions conducted in the previous

years have also witnessed the creative capabilities of the students.

Table 5.9: Publications by the Departments

Year	Manuscript Magazine/Publication/Event/ Newsletter	Department
2011-2012	Biomirror 2011	Zoology
2012-2013	Biomirror 2012	Zoology
	Ritu	Economics
2013-2014	Biomirror 2013	Zoology
	Violin	Economics
2014-2015	Biomirror 2014	Zoology
	Echos	Home Science
	Yathramozhi	Economics
2015-2016	Echos	Home Science
	Spectra	Physics
	Reflections	Chemistry
	Biomirror2015	Zoology
	Ring 'O' Bells	Economics
	Cynossure	English

5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

The college has a Student Council under the name College Union, the election to which will be conducted under the parliamentary system as per the directive of the State Government, University and the High Court of Kerala. The College Union comprises of Chairperson, Vice Chairperson, General Secretary, University Union Councillors, Magazine Editor, Arts Club Secretary, Class Representatives and Sports Captain. The Student Union organizes the programmes like Arts Festival, cultural programmes, College Day etc. The activities of the College Union are supported by the fund collected from the students as per University directions. The PTA also supports student activities.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.

- College Union: The College Union comprises of Chairperson, Vice Chairperson, General Secretary, University Union Councillors, Magazine Editor, Arts Club Secretary, Class Representatives and Sports Captain.
- College Magazine Editorial Board: The Editorial Board consists of Principal, staff editors and the elected student editor.
- Departmental Associations: Departmental associations are constituted with the staff and the students of respective departments as members. The secretary of the association, elected from the students, is in charge of

- leading the association in conducting activities.
- The activities of the different clubs in the college are coordinated by the secretary and joint secretary in consultation with the staff member in charge.
 - There are student representatives in the following cells/bodies.
 - Anti-Ragging Cell
 - Sexual Harassment Cell
 - Ethics Committee
 - Library Advisory Council
 - Sports Committee
 - The NSS
 - Grievance Cell

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.

The official get together of the alumni is held once in every year on Alumni Day, i.e., the second Saturday of August. The different departments arrange for the reunions of their own alumni on special occasions like the retirement of a faculty from the department. Sometimes, the alumni take interest in meeting in the college, in which case the college makes arrangements for the same.

Morning Star alumni have always spread the honour and glory of the institution far and wide and have put in reciprocations in the most befitting way. The Alumni have instituted 'Best Outgoing Student Award' in all the departments. Over the years, the institution has benefitted from the service of many of the alumni working here as professors and guest lecturers. To retain contact with the alumni, the departments have formed Facebook and WhatsApp communities whereby constant contact is assured.

Former Teachers' Forum acts as a platform for the re-union of the former teachers of the college. It also serves the purpose of bridging the former and present faculty and effecting a feeling of solidarity. The forum helps the retired staff members to keep in touch with the institution as well as with each other.

Former staff members are invited for all functions in the college. Care is taken to see to it that all the retired staff members participate in at least one dinner function organised in a year. The college utilizes the expertise of the former faculty as resource persons in the different programmes arranged in the college.

Former faculty members have displayed their love and commitment to the institution by instituting scholarships and awards to the students. They keep in touch with one another through their WhatsApp community.

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc ?

Vision: To mould young women as prudent scholars and competent professionals, capable of becoming ambassadors of graceful service to their families and society.

Mission:

- To equip young women to cope with the challenges of the times by fostering self-respect and self-reliance, promoting divergent thinking and cultivating a knowledge culture.
- To ensure the all-round development of students by providing value based instruction and skills training.
- To enable them to be equal to the requirements of a competitive workplace by building self-confidence and self-esteem.

The key concepts in the vision and the mission statements may be exemplified as follows:

- ❖ The institution was established with the aim of guiding young women to be confident and independent, to rediscover themselves and to prune their talents. Walk With a Scholar, Remedial Coaching, Scholar Support Programme (SSP), tutorial classes, group discussions, interaction with the faculty and Morning Star Lecture Series are ventures by which the students are identified based on their capabilities and skills, to provide the required training. Scholars from varied fields who have made remarkable contributions in their work, including doctors, cinematographers, psychologists and entrepreneurs were invited for sessions to inspire and motivate the students with the opportunities and scope in different fields. The parents, the teachers and the students get together to evaluate the academic progress in the report card. The measures needed for better performance is discussed and steps are taken to ensure a scholarly performance.
- ❖ The students are moulded to be more sensitive to the needs of the poor and are encouraged to do their part in making the society a better place. Value education classes, 'Save-a-Star', extension programmes, personality development programmes and works of charity including 'Share-a-Meal' by the students for the inmates of Abhayabhavan, dress collection for the victims of natural disasters etc. serve to inculcate a tenderness within that can lead to graceful service. Stationary items are collected and gifted to

the orphans as a means to support child education. The destitute in the old age homes are visited to spend quality time with them, bathe and clean them and make them feel loved and accepted.

- ❖ To shape the integral development of the student in physical, mental and spiritual dimensions. The following are some such initiatives: Fitness Club, yoga, counseling, moral classes, retreats and first Friday devotions. 'Nirbhaya', self-defence tactics were imparted and practiced to foster self-esteem and self confidence. Latest technological developments, quiz programmes, orientation classes and career guidance programmes to be at par with contemporaries are organized. Training on legal aspects on Domestic Violence Act (2005) and Protection of Child Offence Act (2012) are provided, after which the students can go out and impart this awareness among the common women in society through classes.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

- The College Governing Body, the Management, the Principal and the stakeholders get together to discuss issues and formulate quality policy and plans.
- Suggestions from the students and the parents are given due prominence.
- The Principal conveys the quality policy and plans to the staff via the Staff Council and through staff meetings.
- Decentralized planning provides the departments autonomy in planning their domain area.
- The IQAC spearheads the planning, monitoring, streamlining and implementation of programmes.

6.1.3 What is the involvement of the leadership in ensuring:

- **The policy statements and action plans for fulfilment of the stated mission:** As the academic year begins, the Administrative Body and the Governing Body meet to discuss the policy statements and action plans for the year. Following this, the Principal and the staff get together to discuss and decide on the steps to be taken. The supporting staff gathers with the Principal and the Superintendent to ponder on the issues, after which the policy statements are framed and action plans are charted out. The IQAC ensures the implementation of the decisions taken.
- **Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan:** Infrastructure upgrading and maintenance operations are planned by the Administrative and Governing bodies ensuring the replacement of worn out equipment, purchase of new equipment and repair work of damaged areas. The committees meet to discuss, decide and implement the necessary changes in their domain, keeping in mind the enhancement of student quality. The

opinions of the parents put forward during PTA meetings at institutional and departmental levels are given due respect and consideration.

- **Interaction with stakeholders:** Occasional collaboration with stakeholders- seeking their suggestions, evaluations and comments regarding the functioning of the institute are organized. Regular staff meetings, Staff Council meetings, Departmental meetings, PTA meetings, general and departmental alumni meetings foster effective interaction, assessment and work for the betterment of the institute.
- **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders:** The implemented plans are regularly assessed to evaluate if the expected results are observed. If results do not meet expectations, the needed variations are introduced. Feedback is collected from all stakeholders.
- **Reinforcing the culture of excellence.**
 - Staff appointment is based purely on merit.
 - The staff and the students are encouraged to participate in and conduct workshops and seminars.
 - Refresher and orientation courses are attended by staff to upgrade their knowledge and skills in the respective fields.
 - Orientation programmes for teachers, parents, supporting staff and students are organized.
 - Fitness Club and Yoga Courses are offered with a special emphasis on health needs.
 - Seminars and lectures are arranged within the campus for students and staff.
- **Champion organizational change:** The organizational structure has over the years proved its efficiency and effectiveness in functioning to the satisfaction of all they serve, due to which an organizational change has not yet been demanded or raised as a challenge.

6.1.4. What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time.

- The Principal, the Manager and the Educational Councillor monitor the effective implementation of policies and plans.
- Academic policies are decided in the Staff Council and implemented by the Heads of the Departments.
- Parent-teacher meetings held at least once in a year obtains feedback from the parents.
- If needed, based on evaluation, necessary changes in policy are introduced, considering the suggestions by the Management, the Principal, the Staff Council and the relevant committees.
- The College Union serves as an active interface between the staff and the student body. Their recommendations and suggestions representing the

student body are highly valued for assessing the implementation of policies and plans.

- IQAC vigilantly monitors the policy implementations and based on their evaluations the effectiveness of the policy is determined.
- The Staff Council and the Governing Body evaluate the implementation of policies and plans.

6.1.5 Give details of the academic leadership provided to the faculty by the top management.

- The Management motivates the faculty to take up projects and works related to their respective fields.
- Participation and conduct of seminars are encouraged both within and outside the campus.
- The faculty members participate in evaluation and decision making regarding refining of academic aspects.
- The Governing Body welcomes quality enhancement measures.
- The staff members are desirous of enhancing their academic skills and are given opportunities to take part in workshops, seminars, Ph.D. programmes, orientation courses etc.

6.1.6 How does the college groom leadership at various levels?

- The Principal heads the academic and administrative affairs of the college.
- The Bursar handles finance on behalf of the Manager.
- The Superintendent heads the affairs of the office.
- A qualified Librarian is in charge of the Library.
- Identifying the potential of individual staff members, responsibilities are assigned to enhance the organizational and leadership abilities of the faculty members.
- Leadership training programmes effect to instil and prune leadership qualities.
- The College Union works under the guidance of the Staff Advisor.
- Clubs and organizations such as the NSS have teachers-in-charge and student coordinators.

6.1.7. How does the college delegate authority and provide operational autonomy to the departments/units of the institution and work towards decentralized governance system?

- The Management, the Congregation of the Sisters of Nazareth, runs the institute with the Principal as the executive head.
- The manager delegates the Principal, the Education Councillor and the Bursar to carry out the academic, administrative and financial responsibilities on her behalf.
- The Principal delegates authority and operating autonomy to the Heads of the Departments.

- The Superintendent handles the issues of the office and the supporting staff.
- The Librarian deals with the upgrading, furnishing and responsibilities in the Library.
- Every batch of students is assigned to a Class Advisor who will take care of the academic and personal development of her wards.
- The Coordinators of clubs and associations are given freedom to conduct their activities in an innovative way.
- The members of the College Union perform their activities under the guidance of the Union Advisors.

6.1.8. Does the college promote a culture of participative management? If 'yes' indicate the levels of participative management.

The college does promote a culture of participative management.

- The Manager of the college maintains a healthy communication with the staff and the students of the college through regular visits to the campus.
- The teaching and non teaching staff members get together to bestow festal greetings on the Manager.
- Healthy exchange of ideas and redressing of grievances are facilitated during staff meetings.
- The IQAC, constituted with staff and student representatives in it involves their participation in the institute's functioning.
- The College Union is in charge of all the non-academic activities.

6.2 Strategy development and Deployment

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

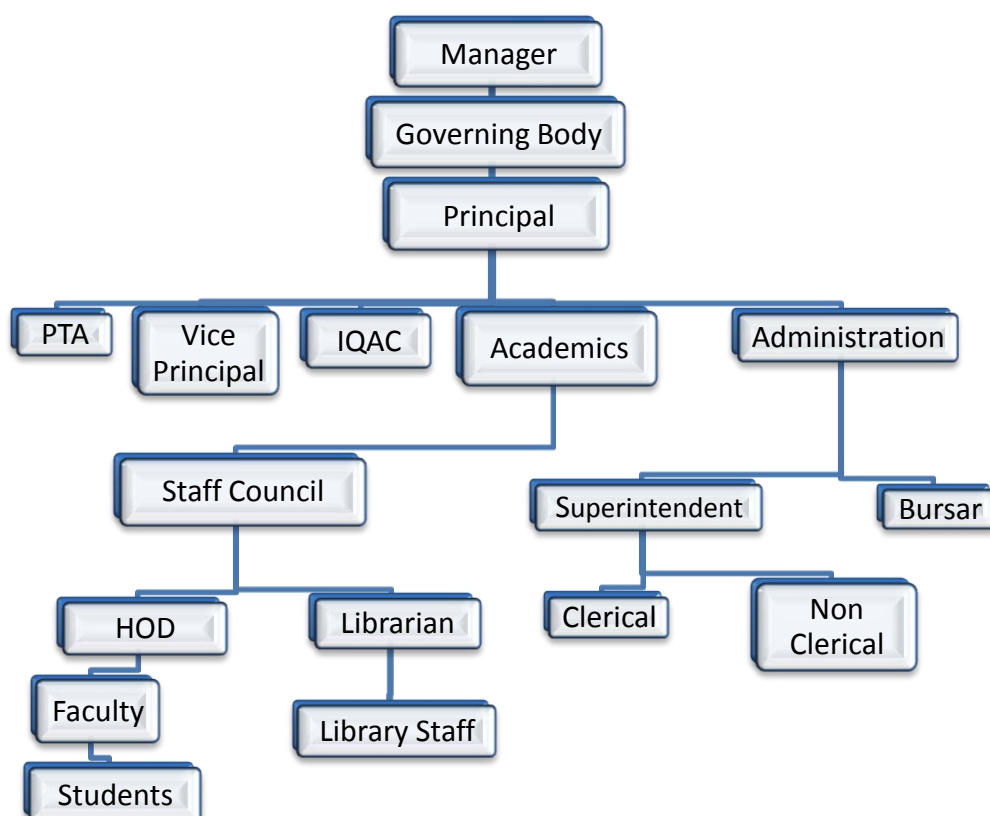
The vision and the mission of the college sufficiently reveal the quality policy of the institution. In order to attain this, the Management, the Principal, the staff, the parents and the students join hands. Top level planning is communicated to other respective levels such as heads of the departments, parents and students. The governing body of the institute and academic council are the official body to review and ensure the policy properly implemented. Feedback is sought from students also.

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered of inclusion in the plan.

Value based quality education to girl students is the key concept of the institute because women's education is the central point of development. Hence all possible means are adopted to maintain academic excellence:

- Personal attention is given to all the students since most of them are from ordinary families with low financial as well as academic background.
- Special classes are conducted to supplement the regular classes.
- Remedial classes are given to the slow learners.
- Classes on different topics such as personality development, career guidance, etc. are conducted.

6.2.3 Describe the internal organizational structure and decision making processes.



6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following:

- **Teaching & Learning:** Teaching is student oriented. The syllabus is strictly followed. Apart from class room teaching, seminars, discussions, field visits, study tours etc. are conducted on department basis. The departments conduct lectures as part of Morning Star Lecture Series. Reference service and e-learning facility are provided in the Library. Computers with internet facility are available to all the students and the faculty both in the Library as well as in the Computer Lab. The faculty

members attend refresher courses, seminars and publish papers in order to equip with current developments in their subjects.

- **Research & Development:** Initial steps have been taken to start Research Centre under the Department of Home Science. The departments of Chemistry, Home Science and Economics take up Minor Research Projects. Dr. Lizmitha Godwin, Sr. Dr. Philo T.J., Sr.Dr. Ciji P.P., Sr. Dr. Jessy K.P., Sr.Dr. Gisha Joseph, Sr.Dr. Shemi George and Dr. Beena George were awarded Ph.D. during the post re-accreditation period. Four of the faculty members are doing part time research at present.
- **Community Engagement:** The Institution has the strong conviction that women empowerment is the key for the betterment of the society. The students are given this conviction through orientation classes as well as experiential learning sessions. The NSS unit in the college, Departmental Associations, Club activities, etc. are the means to communicate to the student community. Through Share- a-Meal programme, noon meal is given to one orphanage on first Fridays. Classes are conducted for mothers. The Management and the institute together conducted three day exhibition and seminar – Kudumbotsav –for families. Through the Mobile Library, books are circulated in a ward VII of Nedumbassery Panchayat as an extension service of our College Library. The Department of Home Science organizes a four month course twice and one month certificate course once in a year for mothers as well as students. During vacation, the college conducted free computer courses for local people of the age group of 16-60 years.
- **Human Resource Management:** Teachers with academic excellence are appointed to the vacant posts. Newly appointed teachers participated in the orientation programme for teachers in Mount St. Thomas, Kakkanad. Additional personnel are appointed by the Management as guest staff to various departments. All the staff members are assigned various activities of the college such as discipline of students, counselling and guidance, value education classes, club activities, cultural programmes, etc.
- **Industry interaction:** The students of Home Science visit Sahrudaya – small scale silk industry unit and Mithradham Solar Plant.
- **Internal examination:** The internal exam is conducted for UG and PG students in every semester.

6.2.5 How does the Head of the Institution ensure that adequate information (from feedback and personal contacts, etc.) available for the top management and the stakeholders, to review the activities of the Institution?

In the beginning of the academic year staff meeting is held where an action plan for the year is prepared. The Principal presides over the meetings at various levels (teaching, non-teaching, IQAC, Staff Council, Alumini, PTA). A Grievance Box is placed in a confidential position. Performance

evaluation of both teaching and non-teaching staff is done. The manager personally visits the staff members occasionally.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

The Management encourages organizing seminars, workshops and classes on different topics for the students. They participate and present papers in national seminars organized by other institutions.

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

The management has taken the following steps on the resolutions made at various levels:

- Started one new undergraduate course in English Literature.
- The canteen building got shifted to a new spacious building.
- Installed a new transformer in the campus for solving electricity problems.
- B.Com. classrooms were shifted to the Nazareth Block.
- Appointed additional guest faculty to fill the vacancies.

6.2.8 Does the affiliating university make provision for according the status of autonomy to an affiliated institution? If yes, what are the efforts made by the institution in obtaining autonomy?

For the time being the institution has not taken any steps towards autonomy.

6.2.9 How does the institution ensure that grievances/complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?

Grievance Redressal Cell and Anti-Ragging Cell are there in the institution. All staff and students are free to approach the Manager and the Principal to talk about their problems.

6.2.10. During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

No.

6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If yes, what was the outcome and response of the institution to such an effort?

- The Principal collects feedback from the students every year. Student representatives are there in different committees and they provide their suggestions.
- Improvements in the campus facilities like toilets, drinking water, canteen and more computer facility are in response to the suggestions.
- Library is modernized and added with more books, journals and e-books. The existing Book Bank and Book Buffet are strengthened and a Garden Library was started.

6.3 Faculty Empowerment Strategies

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non-teaching staff?

The professional development of the teaching and the non-teaching staff of the college is ensured through the following measures:

- The institution encourages its teaching staff to attend UGC sponsored orientation courses, Refresher courses and short term courses conducted by the Academic Staff Colleges. As many as 15 participations have been recorded in the post reaccreditation period.
- The departments of the college conduct national and state level seminars to update teachers on the trends in various disciplines.
- The institution makes deliberate efforts for enhancing professional skills among its teaching and non-teaching staff.
- The teachers are encouraged and motivated to submit research projects to various funding agencies. They are also motivated to join in individual research for M.Phil./Ph.D. programme.
- The non-teaching staff is encouraged to attend staff development programme such as SPARK, training programme on functioning and management of library, training on use of free and open source software in libraries etc.
- Journals and reference books are available in the Library.

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

- The institution encourages teachers to apply for minor and major research projects.
- The institution provides a conducive environment which enables the staff members to work as effectively as possible. Every staff member is motivated to work to the best of her ability.
- Motivation talks are organized by the institute.
- The college organizes seminars, conferences and workshops with which the faculty members are updated on recent advancements in their fields.

- The college provides latest infrastructural facilities to the staff members like computers, smart boards and latest softwares.
- Duty leave is given to the staff to attend seminars/workshops/conferences.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

For the performance appraisal of the faculty, there is a self-assessment proforma which obtains information on the following aspects:

- Teaching and academic contributions.
- Participation in seminars/conferences/workshops.
- Research works/papers published.
- Participation in examination and evaluation process.
- Involvement in co-curricular activities.
- Involvement in college administrative work.
- Involvement in community service.
- Self-appraisal reports are filled by the members of the faculty. This way the Principal is kept informed about the details of the duties performed by the staff members, their methods of teaching and the academic results of the classes taught by them.
- The office work is supervised by the office superintendent. The work is systemically distributed among the non-teaching staff by the Principal.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

Promotion and new grade pay are considered as per approval by the university. Outcomes and decisions are communicated to the appropriate stakeholders through the Principal.

6.3.5 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

The college has several welfare schemes for its teaching and non-teaching staff. Many of the staff members have availed the benefit of such schemes in the last years.

- **Duty leave:** Duty leave is given, if applicable. The teachers avail duty leave for attending orientation programmes, refresher courses, seminars, conferences, training programmes, workshops etc.
- **Commuted leave:** Yearly, 10 days are given to all the staff members.

- **Casual leave:** 15 days for Teaching Staff and 20 days for Non-Teaching Staff are allotted yearly .
- **Maternity leave:** Maternity leave for six months is provided.
- **Insurance:** An insurance policy named Group Insurance is available to all the staff members of the college. The monthly premiums are automatically deducted from the salary as per Groups - A, B, C and D. GPF Provision of provident fund is available for all the staff members.
- **SLI Scheme:** State Life Insurance Scheme is provided for all the staff.
- **Loan :** Provision of refundable/non-refundable advance from his/her GPF is available for their dependent person's welfare, like medical treatment, marriage, buying of computer for higher study, buying of family consumer goods, like T.V., refrigerator etc. The loan amount is deducted from the employee's salary.
- **Gratuity:** Gratuity benefit is provided after retirement.
- The welfare schemes available for teaching and non-teaching staff, include accommodation facility in the college hostel.

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

Being an aided college, the institution receives facilities from the government. The institution encourages the faculty to utilize the facilities and to emerge eligible for them.

- Offers UGC pay scale.
- M.Phil. and Ph.D. awarded teachers get additional increments as per UGC norms.
- Provides annual increments and promotion grants to the faculty as per UGC norms.
- Provides GPF.

6.4. Financial Management and Resource Mobilization.

6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?

The following systems take care of effective and efficient use of available financial resources:

- Finance Committee
- Governing Body
- UGC Cell
- Building Committee
- The main sources of funding are the Government and the UGC. The fee structure of the students is fixed by the University. Internal resource mobilization is from the contribution made by the staff, the students and the well-wishers.

- The UGC coordinator is in charge of the allocation of the UGC funds and monitors the effective utilization of the UGC funds.
- The Govrnong Body monitors the effective and efficient use of financial resources. The bursar, in consultation with the Principal, compiles a list of requirements from the departments/ units at the end of the academic year. This, being a non-profit organization, generation of fund is a major challenge.
- Receipts and vouchers of payments are maintained in the college office.
- The college makes sincere efforts to cater to the educational requirements of the students from rural background. The available resources are effectively utilized by the management through proper and transparent accounting process.

6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

The Management has its own set up for conducting internal audit of finance and accounts. The external audit is done by professional accountants periodically. Last audit was done on by Deputy Director in May 2011 and there were no objections from the auditing agency. The last external audit by Auditor General was done in March 2010.

- The auditor from the management does the internal audit of accounts annually.
- The utilization of the UGC accounts is audited by the registered Chartered Accountant- Balan & Co., Associates, Aluva.

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

Table 6.1: Income Expenditure Statement

Particulars	2012-2013		2013-2014	
	Receipts	Payments	Receipts	Payments
Opening Balance			16620	
Salary	24088123	24088123	27181128	27181128
Tuition Fee	400050	400550	193660	193660
UGC	1237250	1658089	4830604	5739781
Special Fee	22462			
Exam Fee	422255	394505	160485	391380
Caution Money	56880	137160	62880	55440
Application Form	4700	4700	9150	9150
Library Fine	4230	4230		
PD	714304	721776	489495	261313
PF			12146527	12146527

Group Insurance			89358	89358
Hostel Fee	137500	137500		
Canara Bank	1402202	1194500	4904474	4657144
Festival	56000	56000	105600	105600
Stipend	13298	28882	10374	10374
Lumpsum Grant	1900	8778		
SB A/C	80280		94481	62880
Magazine	35390	47955	42750	42700
Association	19925	19925	24260	24260
Calendar	21245	21245	13020	13020
Stationary	19925	19925	21700	21700
Admission	12825	12825	12450	12450
Library	107549	107549	42298	42298
SAF	1985	1985	2020	2020
Women Study	1985	1985	2020	2005
Sports	65125	40150	50900	39500
Medical	1390	1419	770	645
Audio Visual	10000	10000	10850	10850
Laboratory	141317	141317	139949	140109
Matriculation	17300	17300	7700	9285
Insurance	1546	1435	3568	3620
Sports Affiliation		20850		15150
University	20000	17000	13050	17300
University Union	10080	8430	4200	5700
Welfare	3360	2810	1400	1900
Tender	1200	1200	9157	9157
Late Fee	300	300	250	250
Onam Advance	214000	214000	110000	110000
Earned leave	411006	411006	131923	131923
Seminar			20150	
Central Bank	21887		37200	
Manager	4516988	4325738	608354	42898
PF Loan	1272926	1272926		
VAT	48	48		
Closing Balance		16620		2300
	35570736	35570736	51604775	51604775
Particulars	2014-2015		2015-2016	
	Receipts	Payments	Receipts	Payments
Opening Balance	2300			
Salary	23707993	23707993	29845254	29845254
Tuition Fee	408195	408195	894135	677755
UGC	1539990	2432255	548075	1025073
Special Fee	448245	21390	670435	

Exam Fee	393000	410700	539235	504500
Caution Money	65280	45360	77520	67080
University Fee	38200	38200		
Application Form	10700	10700	7150	7150
Library Fine	4474	4474	15891	15891
PD	757664	798354	1080685	1113420
PF	4098522	4098522	10544501	10544501
Group Insurance	55422	55422	262675	262675
Hostel Fee	280000	280000	540165	540165
Canara Bank	1929515	1037250	827489	529724
Festival	99000	99000	91200	91200
Stipend	21169	21169	59464	59464
Lumpsum grant	3800	3800		
SB A/C	45360		67080	77520
Magazine	48350	68850	65600	100300
Association	15000	35450	7800	43020
Calendar	10740	22980	7350	28170
Stationary	15000	35450	9150	43800
Admission	9750	22800	295	30070
Library	41803	81708	28000	96880
SAF	1965	4015	1495	4965
Women Study	1970	4015	1495	4965
Sports	26700	81575	22000	91475
Medical	423	1768		2700
Audio Visual	9850	20100	7100	24450
Laboratory	131464	278009	64352	293202
Matriculation	2800	13900		20100
Refund		6085		
Insurance		3410		4400
Sports Affiliation		25575		32925
University		29950		36400
University Union		11950		20450
Welfare		4270		8800
Late Fee		34224644		
Earned leave			578244	578244
Seminar				
Central Bank			179233	
Sale			1200	1200
SBT			4000	220380
	34222344	34224644	47048268	47048268

The major source is the various grants received from the UGC Deficit in any account are managed from the Management fund.

- The major source of institutional receipts is the grant in aid received from the state government for salary and non-salary.
- The college is also entitled to utilize some part of student fees.
- The major source of receipt for self-financed courses is students' Educational Fees and the deficit is managed by the Management.
- The college also receives the UGC plan development grants for several co-curricular and extra-curricular activities and instruments, books and journal purchases for UG and PG.

Table 6.2: UGC Funds: 2010-2016

Year	Name of Scheme/ Grant	Amount (Rs.)
2010	Improvement of Facilities in Existing Premises	1,20,000
	Establishment of Day Care Centre	2,00,000
	Construction of Hostel	20,00,000
	Equal Opportunities	75,000
2011	Additional Assistance	12,50,000
	Coaching Classes for Entry in Service	80,000
	SC/ST/OBC Minority XI th Plan	1,00,000
	General Development Assistance Under	2,31,956
	SC/ST/OBC Minority XI th Plan	2,00,000
	Equal Opportunity Centre in Colleges	72,860
	Improvement of Facilities in Existing Premises	80,000
	Enrichment of Initiative for Capacity Building	1,00,000
	Additional Assistance to Covered Colleges	10,00,000
	Career and Counseling Cell in Colleges	60,000
2012	Entry in Service-SC/ST/OBC	1,00,000
	Equal Opportunity Centre in College	93,750
2013	Additional Assistance	2,50,000
	Entry in Service	75,000
	Remedial Coaching	50,000
	College Development Assistance	3,25,000
	Hostel Construction	16,00,000
2014	Additional Assistance	12,50,000
	Additional Assistance	7,50,000
	IQAC	3,00,000
	General Development Assistance	11,54,114
2015	Additional Assistance	4,49,324

Table 6.3: Seminars and Minor Projects

Sl.No.	Funding Agency	Amount (Rs)
2010	UGC	NIL
2011	UGC	5,18,250
2012	UGC	3,02,750
2013	UGC	4,28,750

2014	UGC	8,59,750
2015	UGC	3,19,500

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

The Management takes care of funding, accounting and review mechanisms. The major resources of the Institution include:

- The Management
- The UGC
- The Teaching staff & alumni contribution
- College Development Fund
- PTA membership fee
- Self-financed course fee.

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

a. Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

Yes. The college has established an Internal Quality Assurance Cell (IQAC). It has clear policies with regard to quality assurance. The IQAC has been serving as the main agent of improvement and sustenance of internal quality since its formulation in 2005. The following are the major steps to institutionalize the quality assurance process.

- Motivate and encourage teachers to develop professional skills and conduct research.
- Encourage the involvement of the students in co-curricular and extra-curricular activities and contribute to the overall development of the students.
- Prepare the Annual Quality Assurance Report to be submitted to the NAAC.

B: How many decisions of the IQAC have been approved by the management / authorities for implementation and how many of them were actually implemented?

Almost all the decisions made by the IQAC are implemented and those not yet completed are in the process of completion. It is in fitness of improving the quality of teaching and learning process and all other activities. The IQAC has been accorded freedom to evolve strategies for planning of all the academic and curricular activities. The following are some of the suggestions and initiatives taken by the IQAC for quality improvement.

- To start new programmes at the UG and PG levels.
- Walk With a Scholar Programme.
- Scholar Support Programme.

- High speed Internet connection and Wi-Fi.
- To enhance the resources in the library to promote research.
- To procure funds for undertaking major and minor research projects.
- To conduct more value added programmes.
- To utilize the funds offered by the UGC effectively as per requirements.
- To provide more classrooms for accommodating the newly introduced programmes.
- To provide more residential facilities for the inmates of the hostel.
- To take steps for rain water harvesting.
- Encourage faculty members to attend orientation/ refresher courses.
- Organize more national/state level seminars/conferences/workshops.
- Improve library facilities and purchase more books.
- Increase infrastructure facilities using available grants.
- Set a Language Lab to improve the communication skills of our students.
- Provide internet facility free of cost to teachers.
- Conduct extension programmes and community services.
- To apply for self-financing courses and develop necessary infrastructure.
- To increase books in the general library and department libraries.

C: Does the IQAC have external members on its committee? If so, mention any significant contribution made by them

The external members in the IQAC are two Principals of the neighbouring institutions, Nedumbassery Grama Panchayath President, an Alumni member and the PTA Vice-President. They have rendered sincere and significant contributions, suggestions and support to all developmental activities.

D: How do students and alumni contribute to the effective functioning of the IQAC? If so, mention any significant contribution made by them.

The students give direct feedback (although in an informal way) on the academic and infrastructural needs. The alumni, based on their experience, give suggestions for quality improvement on occasions of department level alumni gatherings. The IQAC consists of one student representative and one representative of the Alumni whose contributions play a big role in the quality enhancement initiatives of the college.

E: How does the IQAC communicate and engage staff from different constituents of the institution?

The IQAC sends notices to the staff and sends invitation to the external members for different activities. The IQAC is so constituted that each department has representation in it. The display of clippings in the IQAC news board makes the communication live. The IQAC Coordinator also acts like a mediator to communicate the feedback of the students and the staff to the Management, through frequent interactions with the Principal.

6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If, yes, give details on its operationalization.

There is coordination between the academic and administrative activities so as to maximize the quality of the services provided by the institution. It is done by a team consisting of the Principal, Office Superintendent and the IQAC Coordinator. All matters related to quality enhancement are discussed at various levels in the organizational hierarchy like the Student Union, the IQAC, the Staff Association and the Staff Council. Resolutions are made according to the priority of the requests and availability of fund, infrastructure and plausibility.

- An integrated framework for quality assurance of the academic and administrative activities is planned at the beginning of the academic year by the IQAC.
- The IQAC of the college is entrusted with the task of ensuring quality in all aspects of the functioning of the college.
- The IQAC brings to the notice of the Management and the Staff Council, the necessary observations and concerns of the stakeholders regarding quality matters.
- The IQAC closely follows the suggestions and guidelines of the UGC and the NAAC for quality assurance in teaching learning process, research, system management etc. and get them to practice in the college.
- Modernization and technology updation are the main concerns of the IQAC and suggestions for the same are put forth to the management through the Staff Council, the Principal and the Bursar.

6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.

Yes. The College provides ample training to its staff for effective implementation of the quality assurance procedures. The various departments of the institution conduct international seminars, national seminars and workshops to give an exposure and awareness to the teachers in the different realms of quality assurance. The faculty is encouraged to attend seminars and workshops held on quality culture and quality imperatives held in other institutions also.

6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If yes, how are the outcomes used to improve the institutional activities?

- Regular assessment programmes like internal exams, assignments and seminars are conducted to ensure the effective implementation of academic activities.
- Departmental meetings and staff meetings are convened to discuss the progress in the teaching learning process.
- The Staff Council also discusses and reviews the academic performance regularly.
- Oral and written feedback from students regarding the academic activities is collected.

CRITERION VII: INNOVATIONS AND BEST PRACTICES

7.1. Environment Consciousness

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

Green Audit has been conducted formally. Though space constraints restrain us from the implementation of large scale initiatives towards an ecologically balanced campus area, no effort at creating environment consciousness is spared. The following activities that pertain to this have been initiated.

- **Separate labelled waste bins** for non-degradable wastes and biodegradable wastes are provided in the campus, thus making the campus a plastic litter free zone. In addition, all the class rooms have individual waste bins too.
- **A survey regarding waste management** was conducted by the Department of Economics and the report was submitted to the Principal.
- Conscious efforts have been made to preserve the greenery of the campus and the natural vegetation creating an **eco friendly environment**.
- **Organic vegetable cultivation** is done in the available space inside the campus with the involvement of the students. Battling against the constraints of space, the students of Home Science and Commerce grow vegetables in the slots earmarked for them. The **cultivation of food crops** like plantain, tapioca and vegetables serve as a source of income as well as a motivation for students to achieve self-sufficiency in food crops. Drawing inspiration from the organic cultivation in the campus, our staff and students have started maintaining vegetable gardens at their homes too.
- **Vermicompost and vermiwash** generated by the Department of Zoology and the college are used as manure for the plantain and tapioca cultivated in the campus.
- The college nurtures a **Herbal Garden** with 150 varieties of medicinal plants and is added with new varieties every year with the financial assistance of the Kerala Medicinal Plant Board. All the medicinal plants as well as other trees are enumerated and labelled with botanical names.
- **Nakshatra Vanam**: Plants representing the 27 Birth Stars (*Nakshatras*) are planted in the campus. There is a **Botanical Garden** comprising of rare plant species.
- A **Bio-Diversity Register** is kept by the Department of Zoology wherein the available flora and fauna are reported.
- In addition to the garden in front of the college, a refreshing and rejuvenating ambience is maintained in the Nazareth Block too with a courtyard, fish pond with ornamental fishes and landscaped garden.
- The **four fish ponds** at various locations in the campus are refreshingly delightful scenes to everyone.

- The college has been providing **pure and safe drinking water** to its staff and students from own source of water in the campus itself.
- There are sufficient number of **clean and tidy toilets** and wash areas for the use of the staff and the students. All the departments are provided with toilets and wash areas. There are two toilets attached to the guest room for the use of visitors. In addition, outsiders can use the toilet attached to the guard's room at the gate.
- **Special days** aimed at creating environment consciousness like World Environment Day, World Wetland Day, Ozone day, World Ocean's Day, International Year of Pulses etc. are well observed in the college.
- A number of **national seminars** were conducted on topics related to environment consciousness.

Table 7.1: Seminars and Conferences Related to Environmental Issues

NATIONAL LEVEL	
Department of Zoology	Dates
UGC sponsored seminar on 'Biotechnology - a Tool for Sustainable Environmental Conservation'	11-12 August 2011
UGC sponsored seminar on 'Climate Change Scenario: Threats & Potential Impacts on Ecosystem'	30-31 July 2013
Department of Chemistry	
UGC sponsored seminar on 'Green Chemistry & Environmental Conservation'	18 -19 July 2013
Department of Economics	
UGC sponsored seminar on 'Sustainable Development: Issues and Challenges with Special Reference to Environment'	29-30 July 2010
UGC sponsored seminar on 'Environmental Degradation : A Threat to India's Economic Development'	24-25 July, 2014
STATE LEVEL	
Department of Zoology	
UGC Sponsored seminar on 'Conservation of Environment and Eco-friendly Management of Domestic Waste - a Sustainable Approach'	11-12 August 2010.

- The students of Nature Club are taken to 3 day **Nature Trips** to places like Thattekadu Bird Sanctuary and Pambadumchola to know and experience nature more closely.
- The students are taken to visit the herbal Garden at Kerala Ayurveda Pharmacy, Kottai every year.
- **SCAWEP** (Society for Conservation of Animal World and Environmental Protection), an environment friendly programme organized by the

Department of Zoology encourages the students to keep the campus and their classrooms clean. SCAWEP laws are displayed in the campus.

- The college participates in 'Shuchitwa Bodhana Yajnam' and Shuchitwa Bodhana Padayathra, an environment awareness rally held every January in association with the various activities of Mitradham Renewal Energy Centre led by Fr. Dr. George Peter Pittapilly and his associates.

7.1.2. What are the initiatives taken by the college to make the campus eco-friendly?

* Energy Conservation

- Boards bearing messages on the importance of keeping the campus eco-friendly are displayed inside the campus.
- Messages on energy saving are pasted on electric switch boards.
- Switching off fans, lights and other electric appliances is being done immediately after use, thus promoting the development of a habit of energy saving.
- The use of LED/LCD monitors, LED/CFL bulbs and other energy conserving electric devices is promoted.
- Power Leaders are appointed from all departments to detect and report power wastage.
- Old electrical wirings and plumbing lines were timely replaced to avoid wastage.
- The students of Physics participate in the Power Quiz competition organised by the Department of Physics in association with Kerala State Electricity Board (KSEB). This creates awareness on conservation and use of energy.
- Uninterrupted power supply is maintained through the two generators installed in the college campus and in the hostel. To avoid damage of instruments through voltage fluctuation, stabilizers and UPSs are used.
- A Transformer with 100 KW was installed in January 2016 for avoiding voltage fluctuations.
- The Main Block, Arts Block and the Science Block are provided with sufficient KVA diesel generators.

* Use of renewable energy

- The institution is desirous of moving towards the use of alternative energy resources to minimize electricity consumption.
- The bio-gas plant in the college hostel serves the double purpose of generating fuel as well as managing bio-degradable waste.
- Use of steam as fuel for cooking was introduced in the college hostel.

* Water harvesting

- A water harvesting tank with a capacity of 17000 litres collects the water from the roof of the Nazareth Block. The water from this tank is used mainly for irrigation purposes. A mini water harvesting tank with a capacity of 3000 litres is also kept in front of the Nazareth Block. An underground Water Harvesting Tank is maintained in the College Hostel.
- There are two wells and one bore well with pure drinking water available round the year. So the chance of water scarcity is almost nil. The college does not depend on Panchayath water supply. Though the college hostel has a municipality water connection, it is not availed of at present.

*** Check dam construction**

- The geographical location and the topographical features of the college do not necessitate this.

*** Efforts for Carbon neutrality**

- The trees and plants in the campus contribute to effecting carbon neutrality to a great extent.
- Efforts for carbon neutrality have already been initiated in the campus by planting bamboo plants, ‘asoka chethi’, ‘arali’ etc.

*** Plantation**

- The institution shows avid interest in nurturing a green campus.
- The Botanical Garden maintained by the Department of Botany comprises rare plant species. Trees in the campus include jack fruit, teak, coconut, mahagony, mango etc.
- The students are also engaged in bio-farming that comprises plantains, tapioca and vegetables.
- The institution shows keen interest in instilling eco-awareness in the students by celebrating Environmental Days with the planting of trees and medicinal plants, organizing various competitions such as nature quiz, poster making, essay writing, etc.
- Seedlings and plants were planted in public places by the students of the NSS unit.
- The college has a Nature Club, the objective of which is to create environmental awareness in the students and to instil in them love and respect for nature.

*** Hazardous waste management**

- Hazardous waste matter is managed and disposed off properly.

*** E-waste management**

- The waste material is collected by the NSS unit of the college and handed over to M.G. University, Green Kerala Company and other external agencies.

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

- The college publishes the biannual multidisciplinary research journal-**Star Research Reach**- with ISSN with articles on research topics.
- **Beacon Programmes:** The Department of Home Science conducts Grahadarshan, a programme reflecting the nature of the undergraduate and post graduate studies in Family and Community Science, for students at the Higher Secondary level. This helps them to get introduced to the course, thereby aiding them in the selection of their subject for undergraduate studies. The departments of Chemistry, Physics and Zoology too undertake similar initiative by providing their labs for the higher secondary students for the purpose of their practical experiments. In the process, they are introduced to the prospects and scope of these subjects. The college serves as a venue for various programmes of the youth conducted by different agencies. Each one of these programmes serves as a beacon of light for those who wish to go for higher education. Besides, once students get admitted to the different courses, measures are taken to bridge the knowledge gap of the slow learners by giving them extra care and additional coaching.
- **Incitement Programme:** The institution strongly believes in the value orientation of education as having equal importance with the knowledge content. Value Education Classes (Incitement Programme) are provided to the students in the undergraduate level on all Wednesdays from 1.00 pm-1.30 pm. The classes follow a prescribed syllabus and the students need to attend a written examination at the end of the year. The final year undergraduate students are given pre-marital classes to equip them with the right kind of preparation for marriage.
- Our teaching days always exceed the specified minimum. Strikes do not affect the normal functioning of our college. Bus strikes do create a lot of problem since there are a lot of students coming from interior parts. But Saturdays compensate the loss of classes. Classes are properly planned so that teachers cover the whole portions in the syllabus well before the exams and send the students for study holidays well in advance.
- **Dress and Provisions Bank:** The Department of Economics as well as the NSS of the college encourages our students to contribute old clothes and provisions to be distributed to the destitute and the orphaned ones. The clothes and provisions thus collected are kept as a Dress and Provisions Bank and distributed as per necessity. A collection of dress from this Bank

was distributed to the people of Assam who were left hapless after a natural disaster, by a team from the college, including the members of our ministerial staff.

- The assignment papers of students, after being assessed, are handed over to Fiathe Mission as a raw material for printing.
- **Talents Day:** The newly joined students of undergraduate courses are given a full day to display their talents and potentials. This also serves the purpose of an ice breaking and overcoming their apprehensions if any in the new environment.
- **The clubs** offered in the college are specifically beneficial to the students owing to the variety of activities they cover and the meticulous accuracy with which the activities are carried out. It is made sure that all students become members in any one club and that their meetings take place regularly on all Fridays from 1.00 pm to 1.30 pm.
- The management of the college is always genuinely interested in promoting the creativity of the staff and the students. The release of the CD of devotional songs written by Sr. Mary Joe, Lecturer in the Department of Zoology was performed ceremoniously in a public gathering. The songs in the CD have been sung by Sr. Mary Joe and Sr. Julie Terese, Lecturer in the Department of Commerce.
- **Share-a- Meal Project:** This is a philanthropic gesture under the initiative of the National Service Scheme of the College with a purpose to nurture the virtues of love, kindness and concern for fellow human beings. Students are encouraged to share their meal with the destitute and the hungry ones once in month thereby becoming partakers in social development. Lunch packets thus received are collected on all first Fridays and distributed to the inmates of Abhayabhavan, Koovappady. The enthusiasm and promptness with which the students respond to this project are worth mentioning.
- **St. Jude Counselling Centre:** Among the various steps taken for the overall development of the students of the college, availing the services of St. Jude Counselling Centre has an important role. Those students who are identified with challenges like academic pressures, learning disorders, social incompatibilities, family problems etc. during the personal counselling by the class advisors are referred to expert counselling by trained counsellors. The counsellors of St. Jude Counselling Centre help the students in strict secrecy to identify, address and solve their problems through guidance and counselling. Thanks to the services of the Centre, we have been able to see many bright faces that had otherwise lost their glitter.
- **Dietary Counseling Centre:** The centre provides authentic guidance on dietary matters to those who are in need.
- The Department of English has created a **blog named 'Ink-Linked Thinkings'** as a platform for the expression of creative thoughts. The

department also publishes the monthly news paper ‘**Morning Tweets**’ showcasing the important events of the college in a month.

- Edible fish is reared in two of the fish ponds and is harvested and sold occasionally.
- **Morning Star Lecture Series** is a novel attempt of the institution to introduce our staff and students to the expertise and knowledge of experts in the respective fields. Each department conducts at least one lecture every year in this respect.
- The IQAC members take the initiative in promoting **English speaking** among faculty members and students to improve communication skills. This helps to develop their communication skills, liberating them from the excessive influence of the vernacular medium.
- The **renovated college chapel** gives the perfect ambience for spiritual animation to everyone irrespective of caste and creed.
- **Blended Learning**: The college offers chances for our students to get trained in career and skill oriented courses while doing studies in their selected subject. The certificate/diploma/short courses offered in the college are instances of the same.
- **Morning Star Mobile Library**, an outreach programme of the Central Library of the college, facilitates books to the local population of Ward VII of Nedumbassery Grama Panchayath. The books made available for circulation are decided as per demand.
- In the **Book Buffet** set inside the library, books are displayed for easy access and easy perusal.
- **Dr. Kalam Garden Library** takes reading out from the library and renders the right ambience for reading at leisure. The garden library is set in a spot curtained and canopied by flowering plants and the library has the speciality that it is not bound by any rules.
- The **Book Bank** attempts to provide for the slow and advanced learners in a way that they can keep books for extended periods of time.
- The departments of Economics, Zoology, Home Science, Physics, Chemistry and English publish manuscript magazines with the contributions of the students.
- Sanitary pad vending machine resolves the panic of emergencies.
- Incinerators are installed in the toilets and hostel for eco-friendly disposal of sanitary napkins.
- **Biometric Attendance Scanner** ensures accuracy and punctuality in marking the attendance of the staff.
- All the staff and the students have identity cards with personal details attached to their neckbands for the purpose of identification both inside and outside the campus.
- The Department of Home Science provides **self-employment programmes** like ornament making, handicrafts making etc. In

VIBGYOR, a club offered by the department, training in several crafts and skills are given.

- The Department of Chemistry gives training in soap making. The soap made by the department is marketed by the students themselves, thus creating in them the life skills in a small scale industry.
- The services of **Chemstar**-soil testing lab, functioning under the Department of Chemistry, is utilized by the students of other departments for their project work. The service has been extended to the local population as well. This facility enables the farmers of the locality to do farming knowing their soil type
- Achievements are announced publically and the achievers are recognized at public meetings.
- The introduction of **Walk with a Scholar Programme** and **Scholar Support Programme** under the initiative of the Higher Education Department of Kerala Government is a pathway to excellence for our students.
- To keep in tune with the emerging needs of the times, the institution introduced **four new programmes** in the last four years- M.Sc. Physics, M.Sc. Chemistry, B.Com and B.A. English.
- The **renovation and facelift of the Main Block** of the college has added to the splendour of the institution by giving a new elevation and interior befitting contemporary architecture. Addition and up gradation of infrastructure facilities has facilitated better teaching-learning experience.
- UGC sponsored Career Oriented Add-on course and other value oriented Certificate Courses enable the students to get better skill oriented training.
- Use of ICT methods in teaching-learning process acts as a catalyst in the effective implementation of the curriculum.
- The students who were selected for Additional Skill Acquisition Programmes (ASAP) in collaboration with Government of Kerala participated in the training programmes in recognized centres.
- Administrative Office and the Library have been automated.
- NLIST of INFLIBNET online subscription for books and journals.
- **Transformer and Generators** ensure uninterrupted power supply.
- High speed Internet Broadband connection with optical fibers and Wi-Fi connectivity.
- The students are motivated to do Power Point Presentations. As a result, our students were able to secure prizes in the intercollegiate power point presentations.
- **Visit to Charitable Institutions:** The staff and the students of the college collect funds and provisions to help out the deprived and visit the charitable homes where desolate and aged people are looked after.
- **Star Butterfly Garden:** Desiring to nurture and showcase the amazing collection of butterflies and their host plants, the students of M.Sc. Zoology ventured to establish the butterfly garden which was inaugurated

in the academic year 2016. The purpose of this undertaking is to familiarize viewers within campus and those visiting the campus with the varied species of butterflies and their host plants in the campus.

- The IQAC organized free **information literacy classes** for local women including Kudumbasree members, mainly from Ward VIII of Nedumbassery Grama Panchayath under National Digital Literacy Mission (NDLM). 25 ladies belonging to different age groups availed of the opportunity during the summer holidays of 2016.
- **Star Gazing and Night Sky Watching:** In connection with International Science Day, the Department of Physics arranged a night sky watching session to the students and the neighbouring community.

7.3. Best Practices

7.3.1. Elaborate on any two best practices in the given format at page no. 98, which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

BEST PRACTICE -I

Title of the Practice: Save-a Star

Goal: Morning Star Home Science College, ever since its establishment in 1963, has been striving with its stated mission of uplifting the poor and down trodden sections of the society, especially in and around Angamaly. The conviction of the visionary founders of the institution that such an upliftment is possible only through empowering the needy sections financially, intellectually and emotionally is still practiced here through various means. Save-a- Star is a scheme designed with such a view in consideration.

Save-a-Star, when it was established in 1990, was an attempt to support the needy and financially backward students in the campus. Today, when it completes twenty six years of voluntary service to many needy ones, the scheme has extended its service to those outside the campus too. The institution identifies each individual as a 'star' capable of luminating under favourable circumstances. By instilling the virtues of service and charity in students it is hoped that they will also shine as stars in their respective fields of work and illuminate the lives of many.

Thus, it can be stated without dispute that Save- a -Star is a scheme that best reflects the vision, the mission and the motto of the college.

The Context: The socio-economic condition of the middle class and the poor sections of the society has not reached anywhere near an enviable or even an agreeable status, despite all the celebrated developments of the last few decades. Adding oil to the burning fire, a large section of people suffer from ill health,

emotional instabilities and intellectual incompatibilities. The institution realizes its social responsibility to be of support to those who are in need by offering its help, though small it may be, in fighting their financial, emotional and academic challenges.

Funds and services under this scheme come as voluntary contributions from the staff and the students. Every year an auction is conducted as a fund raising event of Save - a - Star. One full day is devoted for this auction in which the staff and the students donate a variety of articles that are auctioned off at good rates. The whole event instils in the students the ideas of cooperation, charity and selflessness.

The support of well-wishers outside the institution is also welcomed under special circumstances and is made available to the needy.

The Practice: Every year, two faculty members are entrusted with the task of identifying those who are in need of help- financial and otherwise. Under the initiative of these teachers the scheme has been very effectively functioning in the college for the past few years.

Table 7.2: Save-a-Star in a Nut Shell

Year	Staff in charge	Previous Year's Balance	Date of Auction	No. of Beneficiaries	Balance Brought Forward
2010-2011	Dr. Thresiakutty K.M. Dr. Beena George	4842	31-12-2010	41	6400
2011-2012	Dr. Tresiakutty K.M. Ms. Cicily P.J.	6400	20-01-2012	30	13970
2012-2013	Dr. Thresiakutty K.M. Ms.Moly Mathew	13970	26-02-2013	50	21345
2013-2014	Dr. Thresiakutty K.M. Ms.Moly Mathew	21345	30-01-2014	50	28520
2014-2015	Ms. Lisue Xavier Dr. Beena George	28520	15-12-2014	34	23528
2015-2016	Ms. Lisue Xavier Dr. Beena George	23528	29-01-2016	40	22318

Support extended under this scheme falls mainly under three realms- financial, emotional and intellectual.

- **Financial Support:**

- Help is given to the students in the form of tuition fee as well as exam fee, uniform, lunch, textbooks, notebooks, record, medical aid and bus fare.
- All possible fee concessions are made available to the students as per rules and under humanitarian considerations.
- Sponsorship by well wishers including the staff is sought and the deserving are provided with the same.

- The faculty willingly testifies the cases of our students through visual media to obtain for them sponsorships for further study.
- The music troupe of the visually challenged is given opportunity for performance in the campus and the staff and the students contribute generously towards their cause.
- Hostel accommodation is provided free of cost for the needy.
- The Department of Economics keeps a Dress and Provisions Bank and contributes the same to the needy and the destitute. A team from the college visited the calamity stricken Assam in 2012 and provided them with some basic necessities.
- The college contributed an amount of Rs. 20,000/- towards Chennai Relief Fund.
- For the treatment support of Ambili Fathima, an amount of Rs.50,000/- was collected and handed over.
- The college contributed an amount of Rs. 5,000/- towards the project 'Snehapoorvam Sahapadikku' by the Government of Kerala.
- An amount of Rs.15,000 /- was collected for the kidney transplantation of the brother of Aiswaryamol, a student of the college.
- Fund was collected for the treatment of an accident victim who was the mother of Bini Baby, a student of the college. Rs. 16,000 /- was collected and handed over for this purpose.
- Ms. Athira P.A. of B.Sc. Zoology was given treatment assistance by the staff and the students of the Department of Zoology. On her demise, an endowment in her memory was also instituted using the contribution from the staff and the students.
- Sunitha T.S. of B.Sc. Zoology was given an assistance of Rs. 10,000/- for the funeral rites of her father-in-law.
- A number of unregistered charity works have also been taken place during the previous years.
 - A toilet was constructed for one of our students- Veena Madhavan.
 - The house of one of our students, Resmi K. Ravi, was renovated and made livable.
 - Two of the local people have been given assistance for dialysis:
 1. Mary Kaithakkattil
 2. Elsy Varghese, m/o Flower Varghese (B.Sc. Zoology)
- **Emotional Support:**
 - The teachers of the college take notice of those students who are absent in the class for long periods of time. In case where telephonic enquiry appears insufficient, the teachers visit the houses of such students to collect first hand information of the situation. Such visits by the Principal and the teachers have helped to bring many students back to college who might otherwise have dropped studies for varied reasons.
 - **Save- a- Family:** The teachers and the classmates visit the houses of those students who seem to be in need of help. Sometimes, such visits have proved to be of great help to identify the true situation of some families

and the institution has done possible help and support in saving these families.

- In an age where conjugal bonding is facing threats of rupture, the institution tries to contribute its share in ensuring that the girls who proceed to marriage from here have a proper understanding and outlook on the life of their choice. Pre-marital classes are provided in the college for third year undergraduate students every year. Classes include the psychological, physical and financial aspects of family life.
- **Visit to Charitable Institutions:** The staff and the students of the college collect funds and provisions to help out the deprived and visit the charitable homes where desolate, aged people are looked after. They spent their time at the home and make themselves useful to the elderly by helping them to clean up, entertaining them and by just listening to them. Such visits help our students to reach the grass roots levels of the society and to realize the ground realities of life thus making them stronger, less complaining and more complacent individuals.
- **Motherly Care:** The students here receive motherly care from the nuns and the devoted staff members to the effect that Morning Star College serves as a home away from home for the students who study here. Though the use of this clichéd phrase may seem an exaggerated claim when used in the context of a higher education institution, the feedback from the students and the alumni serve very much a proof to the fact that this is absolutely true.
- The Principal and the staff members are always willing to testify the cases of genuinely deserving students and gain sponsorship from external agencies. The testimonial in the ‘Goodness Channel’ could bring about sponsorship for study to two students at the undergraduate level.
- The differently abled students who are admitted here are supported in all possible ways.
- **Intellectual Support:**
 - Morning Star Library provides a Book Bank facility which is a bliss for both the slow and advanced learners by giving them the chance to keep books with them for extended periods. Along with this, some departments also provide this book bank facility.
 - Morning Star Mobile Library is an extension programme of the Library with an aim to expand intellectual support to the society as well. In this project, books are distributed in Ward VII of Nedumbassery Grama Panchayath to refresh the minds of the house wives dwelling there. Academic books and study material are also distributed as per demand.
 - The remedial coaching sessions and the Scholar Support Programme undertaken by the college are a real bliss to the slow learners.
 - Free Information Literacy Classes are provided for the women, spanning over an age group of 15 to 60, of wards VII and VIII of Nedumbassery Grama Panchayath. 25 ladies took benefit of the programme in 2016.

- The faculty of the Department of Home Science provided classes on 'Energy Conservation' for the people of the locality.
- Awareness classes on health and nutrition are regularly provided to the local population at Deepthigram by the faculty of the Department of Home Science.

Evidence of Success: The idea of Save-a-Star goes hand in hand with the institution's motto, 'Learn to Serve, Serve with Love'. The institution strives to instil in its students the realization that the virtues of selfless service, sharing and caring are indeed the ways to revel in wisdom and joy. Almost all the students here have imbibed this institutional motive which is quite evident in the enthusiasm and readiness they exhibit to get involved in the activities of the National Service Scheme, AICUF etc.. On all first Fridays, the staff and the students bring lunch packets and contribute them to Share-a-Meal Programme. These lunch packets are, in turn, distributed at AbhayaBhavan, Koovappady.

Though no official records have been kept, the institution can proudly claim that many students who were at the verge of break down or about to be drop outs were saved by the efforts of our staff and students. In such cases, the Principal and the staff visit the homes of such students and get first hand awareness of the true situation. Care is taken to extend necessary support, financial or emotional, and ensure that the student is brought back to the mainstream of education. In this way, it has been possible to witness glitters on many faces that had lost their shine.

The differently abled students, though only very few in number, were helped out in all possible ways so that they could complete their undergraduate studies comfortably. The institution has taken care to provide all kinds of support while at the same time keeping in constant touch with their parents. Their parents today have the great satisfaction that their daughters became a part of mainstream education and could complete degree studies. Out of the three differently abled students who have studied here, Ashy Wilson got employed in Little Flower Hospital and Research Centre Angamaly and MerinVilgy in a dental clinic in Moovattupuzha on the basis of the education they have received here.

The college believes in the dictum 'Charity begins at home'. We have done our own share to contribute to the national initiative of 'Suchitwa Bharatha Mission' by donating raw materials and man power for the construction of toilets for the deprived families of our students. Yet, the same has not been publicized respecting the dignity of the beneficiaries.

The record of the number of students who have visited St. Jude Counselling Centre stands proof to the fact that there are a number of people around us who are in need of emotional support. It has been observed that after a few sessions of counselling in the Centre, there have been marked differences in the general behavior and academic performance of these students.

Morning Star Home Science College has always been famous in the central part of Kerala as a centre of learning that moulds young girls in wisdom and virtue with the effect that there is always a preference from the part of boys and their families for the alumni of this college when it comes to selecting life partners. The value education classes and pre-marital classes given here, along with the curricular exercises, help our students to grow in prudence and maturity which the institution believes are the most essential requisite of a person whether as a scholar, a professional or a home maker.

Problems Encountered and Resources Required: The issues that the institution tries to address are universally present and ever continuing. Though there is nothing novel in addressing such issues, every single contingency happens to be significant for those who are involved in it. So identifying the occurrence and gravity of the problem demands more effort than addressing the problem itself.

Conscious and dedicated efforts are needed from the part of the staff and the authorities to identify those who are in need of support, be it financial or emotional. Sometimes the unwillingness of students to open up, in fear of causing blemish to their dignity, acts as a hindrance in identifying the deserving. Here too, the idea of Save-a-Star imprinted in the minds of staff, and fellow students, urge them to keep an eye on every student and identify those who are in need. Personal counselling, tutorial classes, informal interactions and communication with parents are means to identify those who are in need of help. Needless to say, this process involves dedication and commitment.

Financial resources required for this scheme come as voluntary contributions from the management, the staff and the students. Financial and intellectual support offered outside the college is sponsored by the departments and the management. Emotional requirements are fulfilled by the staff and in case of further need, by the counsellors of St. Jude Counselling Centre.

Notes: The institution has selected Wards VII and VIII of Nedumbassery Grama Panchayath, an area that needs assistance for development, as the prime beneficiary outside the campus. Majority of the population here belongs to SC/ST category and the region is far behind in development compared to the neighbouring areas.

The major support programmes initiated in the village include:

- Books for distribution under Morning Star Mobile Library Scheme are circulated in the Cheriya Vappalassery region of the ward. As per the request of the local population, study materials for school students are also made available in addition to the books under the scheme.

- The Department of Chemistry undertook the analysis of soil and water for the poor farmers absolutely free of cost. About 16 samples were analyzed. They were also given suggestions based on the samples analyzed.
- The institution supports the local community by appointing the people of this ward as staff on contract. Elsy Martin, Mariamma and Kochuthresia work here as last grade staff on contract. In times of need, daily labourers like Karthu, Kuttappan and the like are also given employment.
- Raw materials and man power were provided for the construction of a toilet for Veena Madhavan, a student of the college dwelling in this ward.

BEST PRACTICE- II

Title of the Practice: Yoga and Fitness

Goal: Yoga teaches the evolution of the individual by the development of self-discipline and self-awareness. Anyone, irrespective of age, health, circumstances of life and religion, can practice Yoga. The practice of Yoga aims at making the students physically fit, mentally alert, emotionally balanced, economically independent, morally true and spiritually uplifted. The progressive development of all these aspects makes an individual a good citizen who is able to contribute in the process of nation building in one's own way.

Yoga brings together three primary needs of a human being, viz., physical, psychological and spiritual. Thus, Yoga is a practical philosophy involving every aspect of a person's being. The benefits of Yoga are numerous including improved physical fitness, stress control, general well being, mental clarity and greater self understanding. In today's fast changing world, most of the people find it difficult to devote time towards their health and fitness. This has led to drastic increase in health problems and health related stress which is the number one killer in modern days. Today's health problems are mostly related to lifestyle. It has been developed and practiced safely and successfully by millions of people for thousands of years. The magic of Yoga is that as we begin the basic stretches, the deficiencies within us can be immediately identified and rectified. With a modest amount of care and patience, Yoga will trigger our body's natural adaptive and rejuvenating powers.

The Context: The recent campaigns in the social media played a major role in developing interest and awareness about Yoga among the students.

There has been an increasing affinity towards professional degrees like engineering and medicine in the recent years, resulting in decreased batch strengths. This indirectly proved to be a boon for the growth of interest in Yoga as other popular games lost its sheen due to lack of talent. Also, the limited infrastructure facilities for sports in college especially the requirement of a vast ground area for major games and the paucity of students getting

admitted through the sports quota further resulted in yoga becoming a major focus. Yoga became an avenue for any student to improve her well-being and physical strength without any rigorous and strenuous activity. Winning accolades at the university level further fuelled the interest which students had in Yoga and more students became a part of it. This virtuous cycle resulted in adopting Yoga as an integral part of college activity.

The Practice: Awareness classes are conducted for the first year students on weekdays from 12:45 pm to 1:30 pm for 2 months. The students are acquainted with the basic practices and theoretical aspects in these sessions after which the asanas are taught to them in detail on a regular basis. Yoga is being extensively practiced by the students during after-class hours from 3:30 pm to 5 pm and on Saturdays. Special coaching is provided for the best performing students so as to enable them to take part in the intercollegiate championships.

The college extends its commitment and social responsibility through various extension activities. Summer camps are being conducted in the college to provide a similar opportunity for school children in and around the locality. Classes are being conducted regularly by the students in nearby orphanages and schools. Awareness sessions are also being conducted at the Panchayat level.

Table: 7.3: Extension Activities Related to Yoga and Fitness

Resource Person	Title of the Programme	Venue and Date
Ms.Pauline Joseph K. & Fitness Club members	Demonstration class on Yoga	Good Shepherd Balabhavan, 3 July 2012
Ms.Pauline Joseph K.	Awareness class for girls below 15 years on 'Yoga and Wellness'	Santa Teresa Convent 11-12 April 2013
Ms.Pauline Joseph K.	Ten day summer camp on 'Physical Health and Life Skills' for girls below 20 years	Good Shepherd Balabhavan, 19 April 2013
Ms.Pauline Joseph K.	Seven days summer camp conducted for boys below 20 years on 'Yoga – the need for today'	Good Shepherd Balabhavan, 29 April 2013
Ms.Pauline Joseph K.	Class cum demonstration on 'Yoga and Meditation' for the	Morning Star Home Science

	aspirants of the Congregation of the Sisters of Nazareth	College, 19-20 October 2013
Ms.Pauline Joseph K. & Five Student members of the Fitness Club	Class cum demonstration on Yoga	Assissi School, Athani 19 July 2014
Ms.Pauline Joseph K.	Class cum demonstration on 'Yoga and Meditation' for the aspirants of the Congregation of the Sisters of Nazareth	Morning Star Home Science College, 10-15 November 2014
Ms.Pauline Joseph K.	Awareness class on Yoga	St. Jude Family Counselling Centre 21-24 April 2015
Ms.Pauline Joseph K.	Awareness class on Yoga on International Yoga Day	Nedumbassery Grama Panchayath 21 June 2016

The Fitness Club and Yoga Centre work hand in hand to promote the health of the students in particular and the community in general. Fitness consultation and exercise prescription programme are provided to the students, teachers and the local public. Through this facility, they can consult Ms. Pauline Joseph K., Head of the Department of Physical Education and get correct dose of exercise based on their age, health condition and fitness level. In addition to these, the department has been conducting a three months certificate course in yoga benefitting both students and outsiders, for the past 12 years.

Table: 7.4: Details of Yoga and Fitness Classes Conducted

Sl.No.	Year	Course	Beneficiaries
1.	2010-11	Certificate Course in Yoga	Public-1
		Fitness Centre	Public--10
2.	2011-12	Certificate Course in Yoga	Public-1
		Fitness Centre	Public--1 Students-27
3.	2012-13	Certificate Course in Yoga	Public--3
		Fitness Centre	Public-2 Students-96 Staff-7

4.	2013-14	Certificate Course in Yoga	Class suspended due to renovation
		Fitness Centre	
5.	2014-15	Certificate Course in Yoga	Public--2
		Fitness Centre	Public- 4 Students-104
6.	2015-16	Certificate Course in Yoga	Public--2 Students- 5
		Fitness Centre	Public-1 Students-39
7.	2016-17	Certificate Course in Yoga	Public- 2 Students-6
		Fitness Centre	Public-1 Students-64

Evidence of Success: Yoga brings about tangible and intangible benefits. Benefits like cardio and circulatory health, balanced metabolism and protection from injury may not be quantified and recorded easily in a small span of time. But various other benefits like stress relief and relaxation, weight reduction, improved energy and vitality, improved confidence, correction of posture deformities, increased muscle strength and tone could be ascertained from the testimonials of students practicing Yoga. The increasing popularity of Yoga within the college and the increased participation also point to the fact that the programme is perceived positively by the students.

Beyond the walls of the college, people are getting involved in Yoga through summer camps and awareness campaigns organized at the Panchayat levels. The department head is the resource person in this regard. Various accolades won by the students at University level competitions speak of the success stories. The College team has successfully been placed in the top three positions in M.G. University Yoga Championship consecutively for more than ten years. Some of the students were selected to the university team in the past years. Miss Yoga M.G. University and the runner-up positions were won by our students in 2015-16. The winners are awarded grace marks in the university examination and they are also eligible for admission to various postgraduate courses under sports quota.

The popularity of yoga has resulted in its mandatory inclusion in the school curriculum. Many of our students were appointed as yoga instructors in schools, summer camps and residential areas paving way for economic benefits as well.

Problems Encountered and Resources Required: Yoga comes packed with benefits. The largest advantage of Yoga is that anyone can start practicing Yoga, without any prior experience and the expenses involved is also minimal. Yet, Yoga faces a number of problems when being implemented at the college

level. The major challenge faced is the lack of dedicated time available. Students find it difficult to stay back for Yoga practice after the college hours as they will be denied concession fares in buses. The fact that students are required to devote whole of their time to regular course work at the time of internal and university examinations pose another challenge for a wider adoption of Yoga. Lack of awareness among the parents also deters students from being a part of training. Lack of coordination among various agencies involved in this field also needs to be addressed to bring Yoga to the forefront.

Notes: Yoga is being successfully practiced in the college. Various accolades won and the interest shown by the students point towards the success of the program. Outsiders are also benefitting from the spill-over effects. Minimal cost involved and universal adaptability will lead to wider acceptability and recognition of Yoga as part of college activities. Better awareness may be required to reap full benefits of Yoga. If we are still breathing, it is never too soon, or too late to start.

Contact Details

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Evaluative Reports of the Departments

1. NAME OF THE DEPARTMENT : HOME SCIENCE

2. Year of Establishment : 1968

**3. Names of Programmes / Courses offered
(UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

- B.Sc. Family and Community Science
- M.Sc. Community and Family Science
- Certificate Course in Fashion Technology
- Certificate Course in Home Science

**4. Names of Interdisciplinary courses and the Departments/units involved
: Nil**

5. Annual/ semester/choice based credit system (programme wise)

- B.Sc. Family and Community Science - Choice Based Credit and Semester System
- M.Sc. Community and Family Science - Credit Semester System

6. Participation of the Department in the courses offered by other Departments: Participation through Open Course (Interior Decoration and Related Arts)

7. Courses in collaboration with other universities, industries, foreign institutions, etc : Nil

**8. Details of courses/programmes discontinued (if any) with reasons
: Nil**

9. Number of Teaching posts

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	06	06

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of years of Experience
Dr.Lizmitha Godwin	M.Sc., M.Phil, (NET), Ph.D, PGDPR, PGDCND	Assistant Professor	Family Resource Management	5 years and 9 months
Ms.Megha Thampy	M.Sc.,MBA, (NET)	Assistant Professor	Food Science and Nutrition	5 years and 9 months
Dr.Sr.Shemi George	M.Sc., M.Phil., Ph.D, (NET)	Assistant Professor	Food Science and Nutrition	4 years 4 months
Ms.Rajani Devi.T.R.	M.Sc., M.Phil, (NET)	Assistant Professor	Textiles and Clothing	2 years
Ms.Sajitha Suseelan S.	M.Sc., M.Ed. (NET)	Assistant Professor	Family Resource Management	8 months
Ms.Sherin Abraham	M.Sc., (NET), PGDFD	Assistant Professor	Family Resource Management	8 months

11. List of senior visiting faculty : Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : Nil

13. Student -Teacher Ratio (programme wise)

- B.Sc.- 13:1
- M.Sc – 5:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: One

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Ph.D	M.Phil.	P.G.
02	01	03

16. Number of faculty with ongoing projects from a) National
b) International funding agencies and grants received

Sl No	Name of the faculty and Topic	Funding Agency	Amount	Duration
1.	Dr.Lizmitha Godwin Development of Education Module on Ecofriendly Energy Conservation Indigenous Equipment- Hay Box	UGC	1,57,500	2 yrs
2.	Ms.Megha Thampy Reflection Antioxidant Power and Physiochemical Characteristics of Bamboo Sprouts in Different Cooking Methods	UGC	1,08,000	2 yrs
3.	Dr.Sr.ShemiGeorge Supplementary Effect of Pumpkin Seeds on Memory Function in Animal and Human Models	UGC	1,35,000	2 yrs

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : Nil

18. Research Centre /facility recognized by the University
:Application Submitted

19. Publications:

- * a) Publication per faculty
- * Number of papers published in peer reviewed journals (national /international) by faculty and students: 26

List of publications

Sl no	Name	No. of publications
1.	Dr.Ancy Thomas	10
2.	Dr. Lizmitha Godwin	6
3.	Ms. MeghaThampy	1
4.	Dr. Sr. Shemi George	7
5.	Ms. Rajani Devi T.R.	2

Dr.Ancy Thomas

- Application of Geo Synthetic Technology for Erosion Control in the Steep Slopes, Star Research Reach Vol.3 No.1 Pp- 14-23, 2011.

- A Study on Lipid Profile of Industrial Workers and Standardizing Company Canteen Menu. Star Research Reach Vol.3 No.1 June 2011. Pp: 28-48.
- Dyeing of Silk and Cotton with Red Onion-A comparative study. Star Research Reach Vol.3 No.2 Pp: 26-37. December 2011.
- Study on Colour Base of Complexion. Star Research Reach Vol.3 No.2 Pp: 52-61. December 2011.
- Developing Antimicrobial Apparels. Star Research Reach Vol.1 No:2 Pp:5-21. June 2010.
- A Transitional State in a Dynamic Process Physical Fragility and Loss of Functional Independence (Case Study), Star Research Reach Vol.4 No:2 Pp:11-14. December 2014.
- Influence of Dress on Behavioural Pattern of Children. Star Research Reach Vol.4 No:2, Pp:34-45. December 2012.
- A Study on Role of Advertisement on Behavior Pattern of People. Star Research Reach Vol.4 No:1, Pp:12-20. June 2012.
- Dress code for a Healthy Life Style-Ayurvasthra. Star Research Reach Vol.4 No:1, Pp:37-42. June 2012.
- Autism. Star Research Reach Vol.4 No:1, Pp:43-47. June 2012.

Dr.Lizmitha Godwin

- Health Status of Women Residing in Slums. Star Research Reach, Vol:5, No:1, Dec:2013, Pp:36-40. 0975-5101. Dec:2013.
- Abdominal Obesity among Women Residing in Urban Slums. Star Research Reach, Vol.6, No1, June 2014, ISSN:0975-5101. June 2014.
- A Study on Accessories and Colour Scheme in Modern Interiors. Star Research Reach, Vol.6, No1, June 2014, ISSN:0975-5101. June 2014.
- Prevalence of Goiter Among Women in Kochi. Star Research Reach, Vol.6, No 2, December 2014, ISSN:0975-5101. December 2014.
- Hay Box: A Study on Economy Cooking. Star Research Reach, Vol.7, No 2, December, 2015. December 2015.
- Hay box: Community Based Education. Star Research Reach, Vol.8, No 1, June 2016.

Ms. Megha Thampy

- Breast Cancer Diagnosis and its Treatment- A review. Star Research Reach Vol.5, No.1: Pp. 61 -71. December 2013.

Dr.Sr.Shemi George

- A Study on Anthelmintic Effect of the Selected Vegetables. *Int. J. Cur. Tr. Res (2015)4 (1):94-97* ISSN: 2278-8042. December 2015.
- A Study on Effect of Pumpkin Seed on Memory Function of School Going Children. Star Research Reach, Vol.7 .no 2, 68—77. . ISSN: 0975-5101 December 2015.

- Prevalence of Obesity and Food Consumption Pattern among School Going Children. *Star Research Reach*, Vol.6. No. 1 ,41-48. ISSN: 0975-5101. June 2014.
- Optimization of Autoclave Pumpkin Seed Bread Using Response Surface. *Elixir Food Science*, (2012).45, 7774-7780 ISSN:2229-712X. 2012.
- Formulation and Optimization of Functional Bread by Employing Response Surface Methodology. *International Journal of Current Research*, 4(06) (2012). 008-014 ISSN:0975-833X. June, 2012
- Antidepressive Activity of Processed Pumpkin (*cucurbita maxima*) Seeds on Rats. *Int. J. Pharm. Med. & Bio. Sc*, (2). 2012. 1-7. ISSN:2278-5221.October,2012.
- Effect of Amla Extract on Hypercholesterolemia Subject. *Star Research Reach*, Vol.1. No. 2. Page No-60-69. ISSN:0975-5101. June 2010.

Rajani Devi T. R.

- Standardisation of Body Measurements of Toddlers. *Star Research Reach*, Vol.6, No.2. Pp: 1-5. ISSN: 0975-5101. December 2014.
- Antimicrobial Finishing Of Textiles. *Star Research Reach*, Vol.8, No 1, ISSN: 0975-5101, June 2016.

Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc
: Nil

*** Monographs**

- Dr.Lizmitha Godwin, *Energy Saving Hay Box*, ISBN:9788172550691, Dr.Lizmitha Godwin, Morning Star Home Science College, Angamaly, December, 2015
- Ms.Megha Thampy, *Bamboo Shoots in Kerala Recipes*, ISBN:9788172550738, Ms.Megha Thampy, Asst. Professor, Dept.of Home Science, Morning Star Home Science College, Angamaly.

*** Chapter in Books**

- Dr.Lizmitha Godwin, *Galactogogues-Awareness and Usage among Lactating Women*, Proceedings of National Seminar on ‘Sustainable Health and Wellness-Issues and Challenges’, Sooryagatha Publishers, ISBN:9788172550707, August 2015.
- Dr.Lizmitha Godwin, *Soft Drinks and Snacks Usage Among Adolescent Girls*, Proceedings of National Seminar on Food Safety and Quality Assurance-A Comprehensive Perpetual Perspective, Sooryagatha Publishers, ISBN:978-81-7255-072-1, August 2016.
- Dr.Shemi George, *A Study on Prevalence of Helminthes Infection Among Pre-School Children*, Proceedings of National Seminar on ‘Sustainable Health and Wellness-Issues and Challenges’, Sooryagatha Publishers, Kochi, ISBN: 978-81-7255-070-7, August 2015.

- Dr.Shemi George, A Study on Prevalence of Iron Deficiency Anaemia among Young Adult Women, Proceedings of National Seminar on ‘Sustainable Health and Wellness-Issues and Challenges’, Sooryagatha Publishers, Kochi, ISBN:978-81-7255-070-7, August 2015.
- Dr.Shemi George, Relationship Between Blood Groups with Health Status, Proceedings of National Seminar on ‘Sustainable Health and Wellness-Issues and Challenges’, Sooryagatha Publishers, Kochi, ISBN:978-81-7255-070-7, August 2015.
- Dr.Sr.Shemi George, Memory Function of Pumpkin Seeds Extract in Animal Models, Proceedings of National Seminar on Food Safety and Quality Assurance-A Comprehensive Perpetual Perspective, Sooryagatha Publishers, ISBN:978-81-7255-072-1, August 2016.
- Megha Thampy, Physiochemical Properties of Fruit Juices and Presence of E.Coli in Drinking Water of Food Outlets, Proceedings of National Seminar on ‘Sustainable Health and Wellness-Issues and Challenges’, Sooryagatha Publishers, ISBN:9788172550707, August 2015.
- Megha Thampy, Tenderization Effect of Papain Enzyme on Beef under Different Cooking Methods, Proceedings of National Seminar on Food Safety and Quality Assurance-A Comprehensive Perpetual Perspective, Sooryagatha Publishers, ISBN:978-81-7255-072-1, August 2016.
- Rajani Devi T.R, Development of Jute Products Made of Naturally Dyed Jute Fabric, Proceedings of National Seminar on ‘Sustainable Health and Wellness-Issues and Challenges’, Sooryagatha Publishers, ISBN:9788172550707, August 2015
- Rajani Devi T.R, Food Contamination through Kitchen Linens, Proceedings of National Seminar on Food Safety and Quality Assurance-A Comprehensive Perpetual Perspective, Sooryagatha Publishers, ISBN:978-81-7255-072-1, August 2016

* **Books Edited**

- Dr.Lizmitha Godwin, Chief Editor, Department Magazine: Echos, Department of Home Science, MSHS College, 2014-2015.
- Dr.Lizmitha Godwin, Chief Editor, Department Magazine: Echos, Department of Home Science, MSHS College, 2015-2016.
- Dr.Lizmitha Godwin, Home Science, Proceedings in the UGC sponsored National Seminar, “Burn Out syndrome :Prevention and coping Strategies”,at Morning Star College,Angamaly, Department of Home Science, MSHS College, August 2013.
- Dr.Lizmitha Godwin, Proceedings of Traditional Foods – A Key to Comprehensive Health and Longevity, Department of Home Science, MSHS College, August 2014.
- Ms. Megha Thampy, Staff Editor, College Magazine: Udhayam, MSHS College, 2013-2014.

- Ms. Megha Thampy, Staff Editor, College Magazine: Miracle, MSHS College, 2014-2015.
- Ms. Megha Thampy, , Proceedings in the UGC sponsored National Seminar , “Burn Out Syndrome :Prevention and Coping Strategies”,at Morning Star College,Angamaly, Department of Home Science, MSHS College, August 2013
- Ms. Megha Thampy, Dr. Sr. Shemi George, Ms Rajani Devi.T.R, Anju Arumanyakan, Co-editors, Department Magazine: Echos, Department of Home Science, MSHS College, 2014-2015.
- Dr. Sr. Shemi George, Home Science, Proceedings in the UGC sponsored National Seminar, “Burn Out Syndrome :Prevention and Coping Strategies”,at Morning Star College, Angamaly, Department of Home Science, MSHS College, August 2013.
- Dr. Sr. Shemi George, Home Science, Proceedings of Traditional Foods – A Key to Comprehensive Health and Longevity, Department of Home Science, MSHS College, August 2014.
- Ms Rajani Devi.T.R, Editor-in-Charge, Department Magazine: Echos, Department of Home Science, MSHS College, 2015-2016.
- Ms.Megha Thampy, Dr. Sr. Shemi George, Ms.Sajitha Suseelan.S, Ms.Sherin Abraham, Co-editor, Department Magazine: Echos, Department of Home Science, MSHS College, 2015-2016

* **Books with ISBN/ISSN numbers with details of publishers**

- Dr.Ancy Thomas, International Journal of Star Research Reach, ISSN: 0975-5101, Department of Home Science, MSHS College, December 2009 – December 2012 (bi-annual).
- Dr.Lizmitha Godwin & Dr.Sr.Shemi George, Editors, Proceedings of National Seminar on ‘Sustainable Health and Wellness-Issues and Challenges’, ISBN:9788172550707, Sooryagatha Publishers, August, 2015
- Dr.Lizmitha Godwin and Ms.Rajani Devi T.R., Editors, Proceedings of National Seminar on Food Safety and Quality Assurance-A Comprehensive Perpetual Perspective, ISBN: 978-81-7255-072-1, Sooryagatha Publishers, August, 2016.
- Dr.Lizmitha Godwin, International Journal of Star Research Reach, ISSN: 0975-5101, Department of Home Science, MSHS College, December 2013 onwards (bi-annual).
- Dr.Sr. Shemi George, International Journal of Star Research Reach, ISSN: 0975-5101, Department of Home Science, MSHS College, December 2013 onwards (bi-annual).
- Ms.Megha Thampy, International Journal of Star Research Reach, ISSN: 0975-5101, Department of Home Science, MSHS College, December 2013 onwards (bi-annual).

- Ms.Rajani Devi T.R, International Journal of Star Research Reach, ISSN: 0975-5101, Department of Home Science, MSHS College, 2014 December onwards (bi-annual).
- Ms.Megha Thampy, Ms. Rajani Devi T.R, Ms.Anju Arumanayakan, Co-editors, Proceedings of National Seminar on ‘Sustainable Health and Wellness-Issues and Challenges’, ISBN:9788172550707, Sooryagatha Publishers, August, 2015.
- .Ms.Megha Thampy, Dr. Sr. Shemi George, Ms.Sajitha Suseelan.S., Ms.Sherin Abraham, Co-editors, Proceedings of National Seminar on Food Safety and Quality Assurance-A Comprehensive Perpetual Perspective, ISBN:978-81-7255-072-1, Sooryagatha Publishers, August, 2016.

* **Citation Index**

- **Shemi George - Shodhganga@INFLIBNET: Browsing Shodhganga**
shodhganga.inflibnet.ac.in/handle/10603/7681/browse?type...Shemi+George
Shodhganga : a reservoir of Indian *theses* @ INFLIBNET. DSpace ...
Browsing "Department of Food Science and Nutrition" by
Researcher/Guide *Shemi George*.
- **631 - Publishers of academic thesis & dissertations.**
dissertation.com/search?page=631
DISSERTATION.COM - Official Site :: Academic Dissertation Publishers &
Free Abstract Database. ... *Dissertation.com* · Search All ... *Shemi George*,
2015.
- **[PDF]abstract - Shodhganga**
shodhganga.inflibnet.ac.in/bitstream/10603/40393/6/06_abstract.pdfby
S George - 2015
Shemi George and Nazni, P. (2012). Formulation and optimization of
functional bread by employing response Surface methodology,
International Journal of ...
- **June 2012 | International Journal of Current Research**
www.journalcra.com/archive/201206
Author: Dr. Manisha Goel. Formulation and optimization of functional
bread by employing response surface methodology. Author: *Shemi George*
and Nazni, P.
- **Archives-April 2012 - Elixir International Journal**
www.elixirpublishers.com/index.php?route=articles/archives&month...2012&page=5
Optimization of autoclave pumpkin seed bread using response surface
methodology. *P.Nazni and Shemi George*. Abstract | Pdf, Category : Life
Sciences | Sub ...
- **Application of Response Surface Methodology in the ... - IJIRSET**
www.ijirset.com/upload/2014/september/38_Application.pdf

Nazni. P1, Gracia.J2. 1Associate professor, Department of Food Science and Nutrition, *Shemi George and Nazni P*, "Formulation and Optimization of Functional Bread by ... Journal of Current Research, Vol 4, Issue 06, pp008-014, 2012

- **International College of Cardiology:: Cardiology.hypertension ... - Form**
www.iccsc.org/events.htm
 Sept 29-Oct 4,2012, www. ... N.P.,Sr.*Shemi George*, Mukkadan. Chairpersons, Dr P *Nazni* (Salem), Dr Rajiv Arora (Amritsar), Dr Charanjit Singh (Jallander).
- **Formulation and optimization of functional bread by employing ...**
www.journalcra.com/.../formulation-and-optimization-functional-bread-employing-response-surface-methodology-page=3.
 Formulation and optimization of functional bread by employing response surface methodology. Author: *Shemi George and Nazni, P*. Subject Area: Life Sciences.
- **IJPMB S**
new.ijpmbs.com/previousissue.php?year=2012&issue=2
Shemi George and P *Nazni** [View] [Download PDF]. 225-231 ... Volume 3, Issue 1 2014 (January - March) ... Volume 3, Issue 4 2014 (October - December) ...
- **Browsing "Periyar University" by Title - Shodhganga@INFLIBNET**
shodhganga.inflibnet.ac.in/handle/10603/2100/browse?
 Results 189 - 218 of 1024 - 24-Jul-2014, An economic analysis of industrial cooperatives: a study of ... pharmacological activities of pumpkin seeds, *Shemi George* ...
- **Shodhganga@INFLIBNET: Browsing Shodhganga**
ir.inflibnet.ac.in:8080/jspui/handle/10603/2100/browse?
 Results 203 - 222 of 1024 - 18-Jul-2014, Effect of quercitrin a bioflavonoid on diabetes ... pharmacological activities of pumpkin seeds, *Shemi George*, *Nazni P*.
- **Healthy seeds to add to your diet - Health365**
health365.com.au/articles/nutrition-and-digestive.../healthy-seeds-to-add-to-your-diet
 Feb 11, 2015 - In a research paper by *Shemi George* and co-authors, published in the International Journal of Pharma Medicine and Biological Sciences in ...
- **Seeds: small in size, big in benefits! | Health24**
www.health24.com/Diet-and-nutrition-and.../Seeds-small-in-size-big-in-benefits-20150204

Feb 5, 2015 - *George, S., & Nazni, P. 2012. Antidepressive Activity of Processed Pumpkin (Cucurbita Maxima) Seeds on Rats. International Journal of ..*

- **Volume 1, No. 2, October 2012 - IJPMBS**
www.ijpmbs.com/index.php?m=content&c=index&a=lists&catid=114
 March 9th, 2016 News. Vol. 5, No. 1 is available online now. October 25th ... Pumpkin (Cucurbita maxima) Seeds on Rats. *Shemi George* and P Nazni. 225. 23.
- **Study on organoleptic characterization of jelly supplemented with ...**
www.ijfans.com/Volume%204%20Issue%201/19.%20jelly%20articles.pdf
 Mar 7, 2015 - Garcia, 2010, Nazni and Shemi George, 2012, Shemi. *George and Nazni, 2012* and Durgadevi and Nazni, 2012. It usually uses an ...
- **Optimization of fiber rich foxtail millet bran chappatis using response ...**
www.ijfans.com/Volume%204%20Issue%203/24.%20IJFANS%20A0477-15.pdf
 Sep 9, 2015 - and *Shemi George, 2012, Shemi George and Nazni, 2012* and Durgadevi and Nazni, 2012; Nazni and Gracia, 2014,. Nazni and Bhuvanewari
- **Formulation of Omega 3 Enriched Biscuits Using ... - URP Journals**
urpjournals.com/tocjnls/7_15v5i1_2.pdf
 Feb 22, 2014 - Bhuvanewari, 2011, Nazni and Shemi *George, 2012*;. Durgadevi and ... developmental agencies (Gopalan et al., 1989; Nazni and Pradeepa ...
- **June 2012 | International Journal of Current Research**
www.journalcra.com/archive/201206?page=2
 Author: Dr. Manisha Goel. Formulation and optimization of functional bread by employing response surface methodology. Author: *Shemi George and Nazni, P.*
- **[PDF]ijpmbs 22 - International Journal of Pharma Medicine and Biological ...**
www.ijpmbs.com/uploadfile/2015/0412/20150412030811530.pdf
 by S George - - 2012 Related articles
 Med. & Bio. Sc. 2012. P Nazni and Shemi *George, 2012.*
 ANTIDEPRESSIVE ACTIVITY. OF PROCESSED PUMPKIN.
 (CUCURBITA MAXIMA) SEEDS ON RATS.

* SNIP
 * SJR
 * Impact factor
 * h-index

20. Areas of consultancy and income generated

- The fund generated through Spectrum Fest is deposited as Department Association Fund.
- Dietary Counseling Center

21. Faculty as members in

a) National committees

- Dr. Sr. Shemi George, Member of National Institute of Nutrition
- Ms. MeghaThampy, Member of National Institute of Nutrition

b) International Committees :Nil

c) Editorial Board

- Dr.Lizmitha Godwin, Editor of Star Research Reach- An inter-intra Disciplinary International journal.
- Dr. Sr. Shemi George, Co-Editor of Star Research Reach- An inter-intra Disciplinary International journal.
- Ms. MeghaThampy, Co-Editor of Star Research Reach- An inter-intra Disciplinary International journal.
- Ms Rajani Devi.T.R, Co-Editor of Star Research Reach- An inter-intra Disciplinary International journal.

22. Student projects

a) Percentage of students who have done in-house projects including inter Departmental/programme :

- 100%, As part of the course all PG and UG students are doing in-house projects.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies : Nil

23. Awards / Recognitions received by faculty and students**Faculty**

- **Dr. Lizmitha Godwin**, Certificate of Honour, in recognition of PhD by TRACC
- **Ms. MeghaThampy**, First prize in Poster presentation UGC sponsored National seminar, “Burn Out Syndrome :Prevention and Coping Strategies”, at Morning Star College, Angamaly on 16th and 17th August, 2013.
- **Dr. Sr.Shemi George**, 2nd prize for Poster Competition in UGC sponsored National Seminar on ‘Sustainable Health and Wellness- Issues and Challenges’, at Morning Star College, Angamaly on 12th and 13th August, 2015.
- **Ms.Rajani Devi**, Received 3rd prize for Poster presentation in UGC sponsored National Seminar on ‘Sustainable Health and Wellness- Issues and Challenges’, at Morning Star College, Angamaly on 12th and 13th August, 2015.
- **Dr.Lizmitha Godwin**, Chairperson for Poster session on the 4th November 2014, 2nd International Conference on Micronutrients and Child Health

organized by All India Institute of Medical Sciences, New Delhi , 3rd -7th Nov 2014.

- **Dr.Lizmitha Godwin**, Chairperson for University Examination, IV semester B.Sc FCS, 2014 and 2015
- **Dr.Lizmitha Godwin**, Chairperson for University Examination, IInd Semester M.Sc Home Science Ist Semester M.Sc Home Science, 2015 and 2016
- **Dr.Lizmitha Godwin**, Chief examiner for University Examination, Ist Semester M.Sc Home Science, 2014.
- **Dr.Lizmitha Godwin**, Subject Expert for FIP approval for Ms.Rosemary Francis of St.Teresa's College, Ernakulam at M.G.University, 2015.
- **Dr.Lizmitha Godwin**, Member, UG Board of Studies in Home Science, M.G.University, Kottayam, 2015.
- **Dr.Lizmitha Godwin**, Member, PG Board of Studies in Home Science, M.G.University, Kottayam, 2015.
- **Dr.Lizmitha Godwin**, Aumnae Member for Board of Studies in Home Science, St.Teresa's (Autonomous) Ernakulam, 2015
- **Dr.Lizmitha Godwin**, Member, UG Board of Studies in Home Science, Kannur University, Kannur, 2016
- **Dr.Lizmitha Godwin**, Third rank in M.G.University Examinations, M.Sc Family Resource Management, 1994.
- **Dr.Lizmitha Godwin**, Resource Person, Topic: Women's Health in Current Scenario. National Seminar Changing Status of women in India-its issues and challenges, Organised by: Dept. of Economics M.S.H.S. College, Angamaly, 25th -26th July 2013.
- **Megha Thampy**, Resource person on the topic Fast Foods at Govt. Higher Secondary School, Nayathodu, Angamaly on 19th January 2012.
- **Megha Thampy**, Nutrition Awareness class at Parakkadavu L P School near Angamaly under the project of SPED (Sustainability through Participation, Empowerment and Decentralisation) Save a Plan at Kanjoor, and Social Action Forum of Irinjalakuda on 29th August 2013.
- **Megha Thampy**, Resource person on the topic "Importance of Nutrition to the Adolescent Girls" on 4th January under Kisori Yojana Project , ICDS of Parakkadavu Panchayat.
- **Megha Thampy**, Resource person on the topic "Geriatric Nutrition" on 18th March 2015 for elderly people at Aluva.
- **Dr.Sr.Shemi George**, 2nd prize for Poster Competition, National Seminar on Sustainable Health and Wellness- Issues and Challenges- Topic- A Study On Prevalence Of Helminthes Infection Among Pre-School Children- , 2015.
- **Rajani Devi T R**, Resource Person for Extension Class, Energy Clinic Awareness Class for the members of Ward VIII at Saraswathy Vidyapeetom, Angamaly., July 2016.

- **Rajani Devi T R**, Question Paper Setter, For the Subject Textile Science of St.Teresa's College, Ernakulam, July 2016.
- **Rajani Devi T R**, Chairman of I Semester M.Sc Home Science (Costume and Fashion Designing) Examinations, Calicut University (Received on July 2016), December 2015.
- **Rajani Devi T R**, Chairman for Board of Question Paper Setters, III and IV semester of M.Sc Home Science (Textile and Costume), Calicut University, 2016-2017.
- **Rajani Devi T R**, Subject Expert of Board of Studies of Home Science (UG & PG), Vimala College (Autonomous), 2016 – 2018.

Students

- Stephy Paulson of II M.Sc FCS won first prize in Poster Competition held on World Food Day at General Hospital, Ernakulam.
- Iyrin.B.Menachery of II M.Sc FCS won third prize in cooking competitions held at Naipunya College, Pongam on 20th September 2012.
- Reshmipriya Das K and Anju Krishna of II M.Sc FCS won I prize in recipe contest in the World Health Day competitions held at General Hospital, Ernakulam on 8th April 2013.
- Joseline Jose and Delna Mary Babu of II M.Sc FCS won III prize in recipe contest in the World Health Day competitions held at General Hospital, Ernakulam on 8th April 2013.
- Joshna Maria George and Sujina E of II M.Sc FCS won II prize in Poster Competition in the World Health Day competitions held at General Hospital, Ernakulam on 8th April 2013.
- Joselin Jose and Delna Mary Babu of II M.Sc FCS won III prize in Poster Competition in the World Health Day competitions held at General Hospital, Ernakulam on 8th April 2013.
- Sujina E of II M.Sc CFS was elected as a member of MG University Yoga Team in the year 2013-2014
- Shincy Sivadas secured II rank in the Universtiy exams of B.Sc. Family and Community Science.
- Tes Thomas secured III rank in the Universtiy exams of B.Sc. Family and Community Science.
- Jesty Poly of II B.Sc. FCS was selected as Ms.Yoga in MG University yoga competition held at Amalagiri on 20th June 2015.
- Aldha Gelu of II M.Sc. CFS secured II prize in the Poster Competition held in connection with UGC sponsored National Level Seminar "Sustainable Health and Wellness-Issues and Challenges"
- Aaghee Prakash of II M.Sc. CFS secured III prize in the Poster Competition held in connection with UGC sponsored National Level Seminar "Sustainable Health and Wellness-Issues and Challenges"

- Josna and party of (II and I B.Sc FCS students) won I prize in street play in the National Nutrition Week celebration competitions held at GH, Ernakulam on 3rd September 2015.
- Aleena and Party of III B.Sc FCS won II prize in street play in the National Nutrition Week celebration competitions held at GH, Ernakulam on 3rd September 2015.
- Athira and Ancili of III B.Sc FCS won II prize for Poster Competition in the National Nutrition Week celebration competitions held at GH, Ernakulam on 3rd September 2015.
- Betsy Baby and Vinaya Jose of III B.Sc FCS won III prize for Poster Competition in the National Nutrition Week celebration competitions held at GH, Ernakulam on 3rd September 2015.
- Rosemary Jose of I M.Sc CFS won II prize in the Poster Competition organized by the Department of Home Science in connection with World Diabetes Day on 23rd November 2015.
- Intra-Departmental flower arrangement competition held by Home Science Department on 11th February 2016.
 - I prize – Manju. P.V. and Rosemary Jose (I M.Sc)
 - II prize – Aleena Antony and Ancili Charlson (III B.Sc. FCS)
 - III prize – Dhanasree Athirampuzhayil and Raveena (I B.Sc FCS)
- Aleena Antony and Preena Apraem secured I prize in Flower Arrangement competition held in the intercollegiate ‘Silpakar 2016’ at St.Xaviers college, Aluva on 12th February 2016.
- Hafsa.M and Anisha John secured I prize in Pudding competition held in the intercollegiate ‘Silpakar 2016’ at St.Xaviers college, Aluva on 12th February 2016.
- In connection with the Reading Day celebration Sr.Sini Kurian won II prize for the Poster Competition.on 20th June 2016.
- Sr.Sini Kurian won I prize in Malayalam Essay writing competition in the intercollegiate competitions in connection with International Youth Day 2016 held at UC College, Aluva. On 20th June 2016.
- Tes Thomas and Vinumary of II M.Sc. CFS secured I prize in the Poster Competition held in connection with UGC sponsored National Level Seminar “Food Safety and Quality Assurance- A comprehensive Perpetual Perspective” on 12th August 2016.
- Nikhila Papachan and Aleena Pulloose of II M.Sc. CFS secured II prize in the Poster Competition held in connection with UGC sponsored National Level Seminar “Food Safety and Quality Assurance- A comprehensive Perpetual Perspective” on 12th August 2016.

24. List of eminent academicians and scientists/visitors to the Department

- Anna Soboleva, Educational consultant, Lincoln University, New Zealand
- Ms.Laly Jacob, Head of Medical and Surgical Department & Fundamental Nursing, Little Flower Hospital
- Dr.V.Saradha Ramadas, Professor, Department of Food Service Management and Dietetics, Avinashilingam Deemed University, Coimbatore
- Dr.Mumtaz Khalid Ismail, Consultant Clinical Nutritionist, Total Nutrition, Kochi
- Dr.C.Pandiyam, Associate Professor, Department of Livestock Products Technology (Dairy Science), Veterinary College and Research Institute, Namakkal 637 002
- Manju.P.George, Chief Dietitian, Lourdes Hospital, Ernakulam
- Dr.Leena Leon, Asst.Professor in Dept.of Home Science, St.Teresa's College, Ernakulam
- Dr.Abraham Varghese, IMA, Vice President, Kerala Chapter
- Dr.Vivek Ullatil, Psychiatrist, Renai Medicity, Palarivattom
- Dr. Joseph Manoj, IMA President, Cochin Chapter
- Dr.P.Nazni, Associate Professor, Department of Food Science and Nutrition, Periyar University, Salem
- Dr.Shilpa Jose, Assistant Professor in Home Science, St.Terasas College, Ernakulam
- Dr.Sarala Samuel, Head, Research and Development, Kerala Ayurveda Ltd. Athani, Aluva
- Dr.Manjula V D, Assistant Professor in Community Medicine, Government Medical College, Kottayam
- Dr.M.Suresh Kumar, Senior Medical Officer, Cochin Port Trust Hospital
- Ms.MeenaKoshy, Asst. Director of Agriculture, Govt. Coconut Nursery, Vyttila, Cochin
- Dr.K.S. Kumari, Director, Community College, Pondicherry Central University, Puducherry-8
- Mr.C.P.Wilson, Sr.Manager, (Safety), Binani Zinc Limited, Binanipuram, Cochin
- Dr.Sunny Orathael, Asst.Professor of Medicine, Cochin Medical College, Kalamassery.
- Dr.S.Kowsalya, Professor, Dept of Food Science and Nutrition, Avinashilingam Deemed University, Coimbatore
- Dr.Newton Luiz, Dhanya Mission ospital, Potta, Chalakkudy
- Dr.Shyam Mukundan, M.D.Medicine, LIMSAR, Angamaly
- Dipti Thombare, Nutritionist, British Biological, Bangalore
- Sindhu S, Chief Dietitian, Medical Trust Hospital, Ernakulam.
- Dr.J.K.Mukkadam, Principal, LIMSAR, Angamaly

- Dr. Jose Joseph, Professor and Head, Department of Community Medicine, Medical College, Kottayam.
- Dr. R.S. Sindhu, St. Joseph's College, Kozhencherry.
- Toms Abraham, Director, Yuvatha School of Yoga, Kumarakom.

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National: 4

- Seminar on Life Style Diseases in Sustainable Development Perspective on 26th -27th August 2011, sponsored by UGC.
- Seminar on Burnout Syndrome- Prevention and Coping Strategies on 16th - 17th August 2013, sponsored by UGC.
- Seminar on Traditional Foods-A Key to Comprehensive Health and Longevity on 7th -8th August 2014, sponsored by UGC.
- Seminar on Sustainable Health and Wellness-Issues and challenges on 12th - 13th August 2015, sponsored by UGC.

b) International: 1

- Workshop on Ikebana and Paper folding on 10th September 2012

26. Student profile programme/course wise:

Name of the Course/ programme (refer question 26)	Batch	Applications received	Selected	Enrolled		Pass %
				*M	*F	
B.Sc Family and Community Science	2010-2013	NA(Central Allotment Process)	12		100%	88.88
	2011-2014		15		100%	100
	2012-2015		28		100%	75
	2013-2016		23		100%	33.3
MSc Community and Family Science	2010-2012	NA(Central Allotment Process)	3		100%	100%
	2011-2013		3		100%	66.66
	2012-2014		8		100%	100
	2013-2015		10		100%	87.5
	2014-2016		6		100%	Result Not yet published

*M = Male *F = Female

27. Diversity of Students

Name of the Course	Batch	% of students from the same state	% of students from other States	% of students from abroad
BSc	2010-2013	100	nil	nil
	2011-2014	100	nil	nil
	2012-2015	100	nil	nil
	2013- 2016	100	nil	nil
	2014-2017	96.7	3.3	nil
	2015-2018	93.3	6.7	nil
MSc	2010-2012	100	nil	nil
	2011-2013	100	nil	nil
	2012-2014	100	nil	nil
	2013- 2015	100	nil	nil
	2014-2016	100	nil	nil
	2015-2017	100	nil	nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

- NET: 7
- SET: 2

29. Student progression

Students Progression	Against % Enrolled				
	2010-11	2011-12	2012-13	2013-14	2014-15
UG to PG	80%	75%	16.6%	53.3%	55.5%
UG to B.Ed			8.3%	6.67%	
PG to M Phil	12%				
PG to PhD					
PhD to Post-Doctoral Degree					
Employed					
• Campus Selection					12%
• Other than Campus Selection	50%	66.6%	66.6%	75%	25%
Entrepreneurship/Self Employment			33.33%		

30. Details of Infrastructural facilities

- a) Library: General Library and Department Library

- No. of books in Department Library: 605
- No. of Journals : 8
 - b) Internet facilities for Staff & Students
- Wi-Fi Facility is available in the Department for staff members
- Computer Lab and Digital Library with internet facility for the students
 - c) Class rooms with ICT facility
- Two LCD projectors and one Overhead projector available in the Department to use in class rooms.
 - d) Laboratories
 - Textiles Lab
 - Nutrition Lab
 - Biochemistry Lab
 - Nursery School Lab
 - Cottage

31. Number of students receiving financial assistance from college, university, government or other agencies:

Scholarship	No.of Students			
	2012-13	2013-14	2014-15	2015-16
College	1	3	2	2
University				25
Government	13	44	11	8

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

- Seminar on Career Prospects in Home Science by Anna Soboleva, Educational consultant, Lincoln University, New Zealand.
- National Seminar on Sustainable Health and Wellness- Issues and Challenges on 12th and 13th August 2015.
- Career Aptitude Test for Job Orientation by Faculty members of CAT Institution, Ernakulam, for the Final year students, 27th November 2014.
- National Seminar on Traditional foods- A Key to Comprehensive Health and Longevity 7th and 8th August 2014.
- National Seminar on Burn out Syndrome: Prevention and Coping Strategies 16th and 17th August 2013.
- Lecture Series (Home Science), Ms.Laly Jacob, Head of Medical and Surgical Department & Fundamental Nursing, Little Flower Hospital
- Lecture Series (Home Science), Dr.Newton Luiz, Dhanya Mission ospital, Potta, Chalakkudy.
- National seminar- Life Style Diseases in Sustainable Development Perspective 26th and 27th August 2011.
- State Level Seminar on Health IQ-An Innovative Approach through Yoga

- and Nutrition on 26th and 27th October 2010.
- An Industrial training by Indian Trade Foundation, in association with MCR group of companies (Roshiny churidar) was organized by the Department of Home Science on the August 2nd and 3rd 2010.
 - A Computer Aided Designing Programme on Interior Decoration was conducted for the students; the faculties of CAD Design Aluva gave lectures and presentations on interior design on the 20th January 2012
 - Ms.Leela, former Head of the Department of English delivered a lecture on Personality development in the inauguration of Home Science Association for the academic year 2012-13 on June 28th 2012 in the Common Hall.
 - The activities of the association were inaugurated by Dr.Thresiakkuty K.M, HOD of Department of Economics on 22nd July 2013. In her inaugural speech she emphasized on the need for discipline among students and the role of women in development of nation and society.
 - International Workshop in association with Nippon Kerala Centre, Ikebana- Flower arrangement and Origami-Paper Folding by Ms.Yoko Hayashi on 10th September 2012
 - Demonstration on features of Singer Sewing Machine and Food Processor by Singer, Angamaly for PG Students on 13th December 2014
 - Computer Training Programme, CAD Design Course by Mr.Manoj for 2nd year BSc FCS and 1st year MSc FCS Students., 28th January 2013.
 - During the inaugural speech of association activities of Home Science Department Ms.Mumtaz Khalid Ismail, UNICEF Nutrition Consultant and former NRHM programme coordinator emphasized on the need and scope of Home Science on 30th July 2014 at 1.30 pm.
 - A paper craft class was organized by the Department on 23rd January 2015. Professor Syam Lal from Delhi handled classes.
 - Mr. Manoj from Singer demonstrated the different types of sewing machines in the exhibition Spectrum 2015 on 5th and 6th Feb. 2015 in the Home Science Block.
 - Sr.Arptha of St.Jude Counseling Centre inaugurated Home science activities on 28th July 2015 and delivered a lecture on the need for self-discipline.

33. Teaching methods adopted to improve student learning

- Lecture
- Demonstration
- Using Audio Visual Aids
- Tutorial
- Remedial Coaching
- Peer Learning
- Extension Lectures
- Seminars(National,International and State level)
- Projects

- Assignments
- Internal Exams
- Class Test

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Grahadarshan- a training programme for youth as agents of change in family and society is conducted by the Home Science Department annually.
- 3rd B.Sc FCS visited the Anganwadi at Vapalassery and provided Nutrition Education to mothers on 20th September 2011.
- A three day class on Food Preservation was conducted by the Dept of Home Science in association with District Industrial Development Office from 22nd to 27th of February 2012.
- Grahadarshan training program for Students from Fathima Matha Higher Secondary School, Piravom, G.B.H.S.S, Perumbavoor and GVHSS, North Edappally on 21st Saturday, January, 2012.
- One week Food Preservation Classes for the students of first year B.Sc from various disciplines of SH College, Thevera on 5rd September 2012 – 9th September 2012.
- A two day class on Nutrition and Interior Designing was offered to the students of SNM College Maliankara on 6th and 7th October 2012.
- A Nutritional Awareness Class on Fast Foods to higher secondary school children of Govt. HSS, Nayathode 19th January 2012.
- The staff and students conducted a one day training programme on the 6th of November 2012 in association with ATMA (Agriculture Technology Management Agency) and dept of at Krishi Bhavan Chottanikkara.
- The staff and students conducted a one day training programme on the 20th of October 2012 in association with ATMA (Agriculture technology Management Agency) and Dept of Agriculture at Village Reading room and Library at Eeroor.
- **Extension Classes** were conducted at Edakkattuvayal Gram Panchayath on 27th June 2013, on the topic Nutritious Food-Amritham Products for health and Anganwadi workers and mothers.
- **Extension Classes** were conducted at Edathala Perumbavoor on 19th November 2013, on the topic Nutritious Food-Amritham Products for health and Anganwadi workers and mothers.
- Six week Entrepreneurial Skill Development Programme on Food Processing in collaboration with Micro Small Medium Enterprise from 24th September 2013 to 11th of November 2013.
- Grahadarshan was held in the cooking lab of Home Science Department 19th October 2013. Students of Fathima Matha School, St.Joseph's and Union Higher secondary school Annanadu participated in the programme.
- Nutrition Awareness class at Parakkadavu LP School near Angamaly under the project of SPED (Sustainability through Participation,

Empowerment and Decentralization) Save a Plan at Kanjoor and Social Action Forum of Irinjalakkuda on 29th August 2013.

- Nutrition Awareness class to adolescents in Anganwadi, under ICDS at Parakkadavu on 1st March 2014.
- Nutrition Awareness class to adolescent girls on the topic ‘Importance of Nutrition during Adoloscence’ on 4th January 2014, under Kisori Yojana Project, ICDS of Parakkadavu Panchayat at Sreemoolanagaram.
- Nutrition Awareness class to elderly, under NRHM at Chengamanadu on 14th march 2014.
- Nutrition Awareness class to elderly, under NRHM at Kalady on 29th march 2014.
- Extension Class-Awareness on Amritham Foods for Women and Anganawadi Workers at Mulanthuruthy 27th June 2013.
- Extension Class-Awareness on Amritham Foods for Women and Anganawadi Workers at Edathala 19th Nov 2013
- Grahadarsan, a training programme mainly targeted for youth was conducted on 11th October 2014. The students of St. Joseph’s Higher Secondary School, Piravom, Fathima Matha H.S.S, Piravom and Union H.S.S, Annanad attended this one day training programme.
- An Extension Class was organized for the public to create awareness regarding Life Style Disease and Cancer on 26th October 2014 in the auditorium in connection with the cancer detection camp organized by NSS unit of Morning Star College and Nedumbassery Gram Panchayath.
- The Diet Counseling Centre was inaugurated by Dr.Sr.Alphonsa on the 14th November 2014, on world diabetes day.
- An Inter-Departmental preservation class was conducted for students and faculty of Economics and Home Science Department on 4th February 2014. The faculty of the Department, Dr.Lizmitha Godwin and Ms.Megha Thampy handled the classes. The classes were on fruit preservation
- The UG and PG students of the Department organized a two day exhibition Spectrum 2015 on 5th and 6th Feb. 2015 in the Home Science Block.
- An Extension Class was organized for the elderly on 18th March 2015 at Chacko Homes, near UC College, Aluva. The class mainly focused on Geriatric nutrition. The classes were handled by Ms.Megha Thampy, Asst.Professor, Dept. of Home Science.
- As a part of extension programme, an awareness class on “Nutritional Requirements of Early Adolescent Children” was held on 8th may 2015. The venue for the class was at Kuzhikkattussery. The awareness class was done by Aldha Gelu, II M.Sc Community and Family Science, Department of Home Science, Morning Star College, Angamaly.
- Breast Feeding Week was observed in the first week of August. An exhibition of Posters pertaining to The Need and Importance of Breast Feeding was conducted to create awareness about breast feeding.

- An Extension Class was arranged for the NSS volunteers of Morning Star Home Science College on 26th August 2015 at 2 pm. The class was handled by Dr.Lizmitha Godwin on the topic ‘Lifestyle Diseases’
- Grahardarshan Program for the academic year 2015-2016 was conducted on 17th October 2015. About 51 plus two students from St.Joseph’s school and Fathima Matha School, Piravom participated in the event.
- 4 months Certificate Course in Home Science was started with an inauguration ceremony on 23rd November 2015.
- The Department exhibited two stalls in the name ‘Heritage 2015’ on 4th and 5th December 2015 in connection with the exhibition Kudumbotsav 2015.

35. SWOC analysis of the Department and Future plans

Strengths:

- Highly qualified experienced and dedicated faculty.
- Updated Syllabus to meet the global scenario.
- Echos -Department magazine – articles contributed by students.
- International Peer reviewed Journal “Star Research Reach”
- Excellent rapport between staff & students.
- Good Infrastructure Facilities
- UG, PG programmes
- Good results in UG and PG
- Regular conduct of National Seminars
- Publications and participation in national seminars by faculty
- Well equipped laboratory with adequate equipments
- Department and general library with adequate number of books and journals.
- Student’s placement.
- Minor Research Projects –ongoing (UGC) - 3,
- Publications of papers in journals - 26
- Ambient atmosphere to pursue educational and social skills
- Student support through scholarships
- Lectures to enrich students by eminent personalities
- Extension Classes with the involvement of students.

Weakness:

- Semi urban area restricts in getting collaboration for major events.
- Time constraint – to complete core papers
- Lack of Major Projects
- As parents are keen on getting their daughters married after the graduation, only a very few students opt for higher education.
- Students dropout due to marriage
- Low level of student participation in Competitive examinations

- Lack of international collaboration for twinning, training and projects.
- Lack of recognized research centers.
- Student's admission for PG is less, due to delayed Admission by university.

Opportunities:

- Curriculum prepares students for both professional career and to personal life.
- Job opportunities – immediate placements in educational field, hospitals & hospitality
- Opportunities for pursuing higher education and research
- Establish links with institutions
- Students can participate in various competitions.
- Enable first-hand knowledge via excursions, field visits.
- Interest harbored by students for Seminars and Workshops.
- Facility to attend national seminars.
- Students get opportunities to attend internship in different institution.
- Job opportunities for students as dietitians, teachers, Special school educators, designers etc.
- Visits to various industries.

Challenges:

- To irradiate the Misconceptions regarding Home Science among the public which affects the students enrolment.
- Image of Home Science as course dealing with cooking and stitching is a great barrier in orienting community regarding prospects of Home Science.
- Financial constraint

Future plans

- To set up Research Centre
- To start M.Phil Courses
- Provide Skill Oriented courses for students
- Provide more campus placement

1. NAME OF THE DEPARTMENT : CHEMISTRY

2. Year of Establishment : 1968

3. Names of Programmes / Courses offered

(UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :

- B.Sc.Chemistry
- M.Sc. Chemistry

4. Names of Interdisciplinary courses and the departments/units involved:

- Complementary chemistry for Zoology and Family and Community Science.
- Offers open courses in “Diary Science” which is opted by students from all UG programmes in the college.

5. Annual/ semester/choice based credit system (programme wise):

- UG: Choice Based Credit & Semester System
- PG: Credit & Semester System

6. Participation of the department in the courses offered by other departments:

- Fundamentals of Accounting - Department of Commerce
- Human Resource Management - Department of Economics
- Energy and Environmental Science - Department of Physics
- Interior Decoration and Related Arts -Department of Home Science
- Vocational Zoology - Department of Zoology
- Physical Health and Life Skills - Department of Physical Education

7. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of Teaching posts:

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors in Chemistry	04	01
Asst. Professors in Mathematics	01	01
Asst. Professor on Contract	07	07

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.):

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of PhD students guided
Dr. Rosily A V	MSc, BEd, MPhil, Ph.D	Assistant Professor	Environmental Chemistry	20	Nil
Dr. Beena George	MSc, BEd, MPhil, Ph.D	Assistant Professor	Applied Mathematics	18	Nil
Femeetta Mary A.G.	MSc	Guest	Physical Chemistry	2 years	Nil
Gismy Augustine	M.Sc., B.Ed.	Guest	Inorganic Chemistry	5 months	Nil
Jaicy Alias	M.Sc., B.Ed.	Guest	Organic Chemistry	5 months	Nil
Prof. Raja Gopalan	MSc, MPhil	Retired Professor	Theoretical Organic Chemistry	34 years	Nil
Mrs. Vineetha Narayanan	MSc, BEd, SET	Guest	Physical Chemistry	3 Years	Nil
Mrs. Remya R.	MSc	Guest	Physical Chemistry	2 years	Nil
Mrs. Sony Antony	MSc	Guest	Inorganic Chemistry	2 years	Nil

11. List of senior visiting faculty:

- Dr.S.Murugan (Rtd.Head-Dept. of Chemistry,Hindu College, Nagercoil)
- Rev.Sr.Lourdes CSN (Former HOD & Principal, MSHS College)
- Prof.Valsamma Jacob, Former HOD, Dept.of Hindi, MSHS College
- Dr.Cyriac Mathew, Rtd.Professor & HOD, Dept.of Chemistry, St.Albert's College, Ernakulam.
- Prof. C G Ramankutty, Rtd.Professor & HOD, Dept.of Chemistry, U C College, Aluva.

12. Percentage of lectures delivered and practical classes handled (programme wise by temporary faculty :

- UG: Permanent faculty handled the classes till 2016 May. Official procedures of new appointments are going on. So at present 80% of the classes are handled by temporary faculty.
- PG: Theory-60%, Practicals- 40%

13. Student -Teacher Ratio (programme wise)**B.Sc. Programme in Chemistry**

Year	Number of students			Total number of students	Number of Teachers	Student-Teacher Ratio
	Core-BSc Chemistry	Comple. BSc Zoology	Comple. BSc FCS			
2010-2011	61	36	24	121	4	30:1
2011-2012	67	42	28	137	4	34:1
2012-2013	71	46	43	160	4	40:1
2013-2014	74	50	50	174	4	43:1
2014-2015	80	49	54	183	4	46:1
2015-2016	87	47	61	195	4	49:1

M.Sc Programme in Chemistry

Year	Total number of students	Number of Teachers	Student-Teacher Ratio
2013-2014	12	3	4:1
2014-2015	23	4	6:1
2015-2016	22	4	5:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : Aided Stream -2 and Self financing stream-1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Ph.D	M.Phil.	P.G.
02	01	06

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Name of the Faculty	Title of the Project	Amount sanctioned	Funding Agency	Year Sanctioned	Current Status
Dr.Rosily A V	Nutrients dynamics in Mangrove Eco systems of Tropical Cochin Estuary. (2014-2016)	Rs. 1,80,000/-	UGC	2014-2016	Complete

18. Research Centre /facility recognized by the University : Nil

19. Publications:

* Publication per faculty:

Name of Faculty	Number of Publications
Dr. Rosily A V	01
Dr. Beena George	02
Femeetta Mary A G	01

*Number of papers published in peer reviewed journals (national /international) by faculty : Nil

*List of Publications:

Dr. Rosily A V

- “Fate of Sulphur in Mangrove Ecosystem” Star Research Reach-Intra Inter Disciplinary Journal, ISSN 0975-5101, Vol.8, Page No.45, June 2016.

Dr.Beena George

- “Golden Ratio and Indian Traditional Architecture” Star Research Reach-Intra Inter Disciplinary Journal, ISSN 0975-5101, Vol.8, June 2016.
- “Progressions in Ancient Indian Mathematics” Star Research Reach Intra Inter Disciplinary Journal, ISSN 0975-5101, Vol.4, December 2012.

Femeetta Mary A G

- “Studies on Preparation, Characterization and Antimicrobial Activity of Metal Complexes of Schiff Bases” Star Research Reach-Intra Inter Disciplinary Journal, ISSN 0975-5101, Vol.7, Page No.78 December 2015.

*Number of publications listed in International Database (ForEg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences

- Directory, EBSCO host, etc. : Nil
- Monographs : Nil
- Chapter in Books : Nil
- Books with ISBN/ISSN numbers with details of publishers : Nil
- Citation Index : Nil

- **SNIP** : Nil
- **SJR** : Nil
- **Impact factor** : Nil
- **h-index** : Nil

20. Areas of consultancy and income generated: Soil testing by 'Chemstar' has extended its services to other departments and neighboring institutions on their request and a small revenue was generated from this.

21. Faculty as members in

a) **National committees** : Nil

b) **International Committees** : Nil

c) **Editorial Boards:**

Dr. Lisue Xavier as the teacher in charge of the Editorial Board of the Proceedings of the National Seminar sponsored by UGC from 2013

22. Student projects

a) **Percentage of students who have done in-house projects including inter departmental/programme:** UG- 90%. PG – Nil

b) **Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies** : UG – 10%. PG – 100 %

23. Awards / Recognitions received by faculty and students:

- Our students won The Ever Rolling Trophy with the highest total points in the college annual sports and arts festival during the academic years 2014-2015 and 2015-2016.
- Miss Rene Jose Cherian won individual champion in Youth Festival conducted in the college during the year 2014-2015
- Miss.Sreelakshmi P Venu bagged the runner up title in the University Yoga Championship.
- Award instituted by Rotary Club for top student in 3rd year chemistry was secured by Rinu Elias (2010-2011), Neema Mathew (2011-2012), Nayana Thomas (2012-2013), Revathy Rajan (2013-2014) and Minu Baby (2014-2015).
- Rene Jose Cherian won I prize in the intercollegiate power point presentation in connection with Ozone Day observation organized by S.S college Kalady on September 2016
- Rene Jose Cherian won A Grade in Poetry Recitation (English) competition in connection with Mahatma Gandhi University Union Youth Festival held at Thodupuzha during March 10-14, 2016.
- Our two Alumnae, Shaiby A A and Prathiba Paul, qualified CSIR-NET in 2013.
- Sandhya K P, one of our alumni appointed as Assistant Professor in S N College, Cherthala

- Two students have obtained sanction for Student Projects from KSCSTE.

24. List of eminent academicians and scientists / visitors to the department:

- Mr.Jibi Varghese, Associate Professor, FISAT, Karukutty.
- Dr.Beena V I, Mannuthy College of Horticulture, Vellanikara
- Dr.Visveswaram S, Mannuthy College of Horticulture, Vellanikara
- Dr.Bindhu P S, Mannuthy College of Horticulture, Vellanikara
- Mrs.Ambily Pramitha, Faculty, DIST, Angamaly.
- Prof.M L Paul, HOD. M A College of Engineering, Kothamangalam.
- Dr.Newton Luiz, Consultant Pediatrician, Dhanya Hospital, Potta
- Dr.Rinu Susan Raju, Clinical Psychologist, Dhanya Hospital, Chalakudy.
- Dr.N.Chadramohanakumar, HOD, Dept. of Chemical Oceanography, CUSAT
- Dr.I M. Krishnakumar, General Manager, AKAY Flavours & Aromatica, Aluva
- Dr.Joshy V Cherian, Environmental Scientist, Omega Ecotech Products Koimbathur, Tamil Nadu.
- Dr.Susila Kuruvilla, Associate Prof. St. Joseph's College, Alapupuzha.
- Dr.Sreekala M S, Sree Sankara College, Kalady
- Dr.Sunil Narayanan Kutty, Dept. of Polymer Science and Technology, CUSAT
- Dr.Sivanandan Achari, School of Environmental Studies, CUSAT.

25. Seminars/ Conferences/Workshops organized & the source of funding

- a) National : 01
b) International : Nil

National Seminars:

UGC Sponsored National Seminar on “Green Chemistry & Environmental Conservation”, 18 - 19 July 2013

One- Day Seminars:

- One day seminar in connection with Ozone Day 2015, 15th September 2015
- One day seminar in connection with World Wetland Day 2016, 2nd February 2016
- One day seminar in connection with World Ozone Day 2016, 24th September 2016

26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled

B.Sc Chemistry 2010-11	50	25	25
2011-12(Online Registration Started)	28 (Management quota & community quota)	9	9
2012-13	30	9	9
2013-14	29	9	9
2014-15	35	9	9
2015-16	25	6	6

27. Diversity of Students

Name of the Course	% of students from the same state	From States	Other	From Abroad
BSc-2010-2011	100	Nil		Nil
2011-2012	100			
2012-2013	100			
2013-2014	100			
2014-2015	100			
2015-2016	100			
MSc-2013-2014	100			
2014-2015	100			
2015-2016	100			

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.

- NET-2
- SET-3.

29. Student progression

Student	Against % enrolled				
	2011-12	2012-13	2013-14	2014-15	2015-16
UG to PG	19%	39%	14%	26%	46%
PG to MPhil					
PG to Ph.D			5.26%	4.76%	
Ph.D to Post-Doctoral					
Employed Campus selection	9%			3%	
Other than campus	45%	35%	50%	15%	4%

30. Details of Infrastructural facilities

a) **Library** : General Library and Department Library

- Number of Books in the Department Library: 200

b) **Internet facilities for Staff & Students:**

- There are six computers in the department with three printers. Two computers are enabled with internet facility. Staff and students use the internet facilities in the department, library and computer lab.

c) **Class rooms with ICT facility:** Projector with lap top

d) **Laboratories:** The department has adequate laboratory spaces equipped with advanced instruments needed for successful completion of the curriculum.

No.	Name of Apparatus	Use
1	Deep Freezer	For cooling upto -200C
2	Distillation apparatus	For distilling water
3	Potentiometers	To measure the EMF
4	Conductometers	To measure conductivity
5	Mechanical Shaker	For mixing by shaking partially immiscible liquids
6	Refractometer	To measure refractive index
7	Micro-wave oven	For heating and drying
8	Hot air oven	For drying glass apparatus
9	Colorimeter	To measure light intensity
10	Electronic balances	For weighing
11	Water bath	For concentrating solutions and
12	Magnetic stirrer	For stirring mixtures at desired
13	pH meter	To measure pH
14	Vacuum suction pump	For filtration of solids
15	Melting point apparatus	To measure M.P of the solids
16	Heating furnaces	For heating solids

31. Number of students receiving financial assistance from college, university, government or other agencies:

Name of the Fellowship/Scholarship	2012-2013	2013-2014	2014-2015	2015-2016
Postmatric Scholarship (3000/- each)	10	32	31	
Minority Scholarship (3390/- each)		5	3	
Suvarna Jubilee Merit Scholarship		6	6	2
From college through save a star programme	3	5	5	4
Higher Education Scholarship				8

State Merit				6
MGS Scholarship				2
CH Muhammed Koya				1

32. Details on student enrichment programmes (special lectures/workshops /seminar) with external experts:

Sl.No	Name of the programme	Resource person	Date
1	Workshop on computers in Chemistry	Mrs.Ambily Pramitha	6/3/2011
2	Workshops on soil Analysis	Dr.Beena V I, Dr.Bindhu P S, Dr.Visvesswaram	9/8/2011
3	Seminar in connection with IYC-2011	Mr.M L Paul	24/8/2011
4	Workshop on micro scale techniques in chemical Analysis	Dr.S.Murugan	27/7/2012
5	Lecture on personality Development	Dr.PV Joseph	22/2/2012
6	Lecture on Adolescence problems	Dr.Newton Luiz	18/1/2013
7	Lecture on Traps of Modern Technology	Sr. Arpitha CSN, MSW	6/02/2014
8	Know your child girl	Rinu susan Raju, Clinical Psychologist	6/02/2014
9	Lecture on Plastics: Bane or Boon	Dr.Sunil Narayanankutty	11/8/2014
10	Talks on Women Empowerment	Ms.Shoma MSW	6/10/2014
11	Talks on Life skills & on 'How to Face Daily Pressures'	Dr.Newton Luiz	7/07/2015
12	Lavoiser Lab Fest in connection with Kudumbotsav 2015	UG Students	10/12/2015
13	Seminar in connection with Ozone Day	Dr.V.Sivanadhan Achari	15/09/2015
14	Seminar in connection with World Wetlands Day	Dr.P.V Joseph	02/02/2016

33. Teaching methods adopted to improve student learning:

- Different methods adopted for making teaching learning effective are given below
- Conducting seminars, workshop, symposiums and invited lectures every year to improve the academic proficiency of the teachers and students.
- Demonstrations of the experiments are done prior to their practical periods.
- Power point presentations and audio visual aids are used as the modern teaching aids.
- The students are using the computer and internet facilities to do their projects, seminars, assignments etc.
- PG and UG students are doing projects during their course programme.
- Conducting quiz, poster making and essay competitions to enhance the student participations in academic activities.
- Study tour and field trips are conducted to minimize the gap between the curriculum and working systems and for mental relaxations of the students.
- Remedial classes are arranged for weaker students.
- Peer group learning is also encouraged.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Through 'Star Care' programme, we the teachers of the department, try to mould their mind and personality and foster the social responsibility by arranging invited talks, discussions and consultations.
- Every year we are conducted a practical session for higher secondary school students of various institutions in and around this location in connection with ----tuition centre as a part of fulfillment of the vision and mission of the department.
- A science exhibition was conducted in the first week of December 2016 for the neighboring society especially for the high school students.
- 'Chethana' is an endowment programme for mothers of our students, are arranged every alternate year. Invited talks based on the topics like parenting, cyber crimes, adolescence problems etc are arranged for mothers. Appropriate practical sessions are also included in this programme.
- Students are encouraged to participate actively in 'Save a Star' and 'Share a meal' programmes.
- Occasionally old cloths are collected and give to the needy people.
- Through 'Chem Star' we extend our service by analyzing soil and water samples for students of the other departments and colleges. This year some farmers from the local area are also benefited by this programme.
- Abayabhavan visits are conducted occasionally.

- Students and faculty also took part in RUN KERALA RUN campaign organized government of Kerala to promote NATIONAL GAMES-2015.
- Students along with the faculty participated in SWATCH BHARATH ABHIYAN- a national mission for cleanliness conducted in the college.

35. SWOC analysis of the department and Future plans:

Strengths

- Committed faculty
- Good Results
- Vibrant extra-curricular involvement by students and faculty.
- Well equipped labs with required instruments.
- There are plenty of books for the references.

Opportunities

- Students receive individual attention.
- U G course is vocational Model II stream. So students can familiar with unit operations like distillation, crystallization etc which are used in industries.
- Many options available for higher studies like BEd, PG etc.
- Remedial classes and SSP programmes are arranged for weaker students.
- WWS programme for topper students.
- Counseling facilities for needy students by professionals can be given in the campus itself.

Weaknesses and Challenges

- Students from economically and socially backward communities.
- Input quality is low to some what extent. MSc course being self financing the entry level marks are comparatively low.
- Greater demand for Model I courses.
- Girls are getting less job opportunities than boys in factories.

Future plans

- Post graduate course in aided stream.
- More projects from UGC, DST, FIST etc.

- 1. NAME OF THE DEPARTMENT : PHYSICS**
- 2. Year of Establishment : 1981**
- 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :**
- B.Sc Physics
 - M.Sc.Physics
 - Certificate Course in ‘Training in Computer Programming and MS Office’ (2015-2016 onwards)
- 4. Names of Interdisciplinary courses and the departments/units involved:**
- Open course in ‘Energy and Environmental Studies’ offered by the Department of Physics in the Fifth Semester of B.Sc.
- 5. Annual/ semester/choice based credit system (programme wise):**
- UG: Choice Based Credit & Semester System
 - PG: Credit & Semester System
- 6. Participation of the department in the courses offered by other departments:**
- Participated through Open Course
- 7. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil**
- 8. Details of courses/programmes discontinued (if any) with reasons: Nil**
- 9. Number of teaching posts:**

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors in Physics	03	02
Asst. Professor on contract	04	05

- 10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.):**

Name	Qualification	Designation	Specialization	Experience	Ph.D students
Shyny. K. Ittiachan	M.Sc. , M.Phil., B.Ed.	Assistant Professors	Electronics	20	Nil
Neenu Mary Thomas	M.Sc. , NET	Assistant Professors	Electronics	1	Nil
Sneha K.Jacob	M.Sc. , B.Ed	Guest Lecturer	Material Science	5 months	Nil

Faculty of M.Sc. Programme:

Name	Qualification	Specialization	Experience	Ph.D students
Prof.A. Varadarajan	M.Sc.	Physics	33*	Nil
BittuEldho	M.Sc.	Electronics	3	Nil
Nisha Davis	M.Sc. , B.Ed.	Electronics	2	Nil
Neethu P. Raj	M.Sc.,M.Phil.	Electronics	1	Nil

* Visiting Faculty.

11. List of senior visiting faculty:

- Prof.A. Varadarajan, Former faculty, S.H.CollegeThevara.

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty:

- UG: Theory- 33% , Practical-11%
- PG: Theory- 64% , Practical-36%

13. Student -Teacher Ratio (programme wise): 24:1**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : Lab Assistant -1****15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.**

Ph.D	M.Phil.	P.G.
-	02	05

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil**17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:**

Name of the Faculty	Title of the Project	Amount Sanctioned	Funding Agency	Year Sanctioned	Current Status
-	-	-	-	-	-

18. Research Centre /facility recognized by the University: Nil**19. Publications:***** a) Publication per faculty:**

Name of Faculty	Number of Publications
-	-

* Number of papers published in peer reviewed journals (national /international) by faculty : Nil

List of Publications : Nil

* **Number of publications listed in International Database (For E.g.: Web of Science, Scopus, Humanities International Complete, and Dare Database - International Social Sciences Directory, EBSCO host, etc.)**

: Nil

* **Monographs** : Nil

* **Chapter in Books** : Nil

* **Books Edited** : Nil

* **Books with ISBN/ISSN numbers with details of publishers:** Nil

* **Citation Index** : Nil

* **SNIP** : Nil

* **SJR** : Nil

* **Impact factor** : Nil

* **h-index** : Nil

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

a) **National committees** : Nil

b) **International Committees** : Nil

c) **Editorial Boards:**

- Ms. Shyny. K.Ittiachan as the teacher in charge of the Editorial Board Member of the College News Letter “Glimpses” in 2010-2011.
- Ms. Shyny. K.Ittiachan as the teacher in charge of the Editorial Board Member of the NSS News Letter “Handza Service” in 2013-2014.
- Ms. Shyny K.Ittiachan as the teacher in charge of the Editorial Board Member of the Departmental News Letter “Spectra” in 2015-2016.
- Ms. Neenu Mary Thomas as the teacher in charge of the Editorial Board Member of the NSS News Letter “Handza Service” in 2015-2016.
- Ms. Neenu Mary Thomas as the teacher in charge of the Editorial Board Member of the Departmental News Letter “Spectra” in 2015-2016.

22. Student projects

a) **Percentage of students who have done in-house projects including inter departmental/programme** : 100%

All final year students do one project for the fulfillment of their degree

b) **Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies** : 100%

All final year M.Sc Students do their projects in various organizations outside the institution.

23. Awards / Recognitions received by faculty and students:

Achievements of Students in Inter Collegiate & State Level Competitions

- Ayona Antony of II B.Sc Physics won Second place and cash award in Inter Collegiate Seminar competition organized by U.C College Aluva on 12th February 2016.
- Anju Thomas and Sona PK won second prize in Inter Collegiate quiz competition conducted by Department of Physics, Morning Star Home

Science College in connection with Science Day 2016 on 19th February 2016.

- Sona PK , Dinta David Pynadath, Ayona Antony won first , second and third prize respectively in Inter Collegiate Essay writing competition conducted by Department of Physics, Morning Star Home Science College in connection with Science Day 2016 on 19th February 2016.
- Ayona Antony Secured highest marks in APT Talent Search Exam in the College level competition.
- AthullyaBeshi and Agnas P Jimmy won first prize in quiz competition organized by NedumbasseryGramapanchayath in connection with Independence Day on 10th August 2015.
- Ms. Agnas P Jimmy won third prize in Inter Collegiate Quiz competition on Indian Freedom struggle organized by NSS Unit MarthomacollegePerumbavoor on 6th November 2015.
- Ms. Pearl Jo An K and Ms. Akshitha M. R won First Prize in University Level Quiz Competition as a part of National Youth Day on the topic “Life and Teachings of Swamy Vivekananda” organized by Mahatma Gandhi University National Service Scheme at Kottayam on 12th December 2015.
- Sr. Meera Therese won second prize in state level essay writing competition organized by National Safety Council on the topic “Electrical Accidents and Causes.”
- Diniya John was selected in the college yoga team.

24. List of eminent academicians and scientists / visitors to the department:

- Dr. S. Sankararaman, Dept. of Physics, Asso. Prof, Nirmala College, Muvattupuzha
- Dr. Jacob Philip Prof & Director, STIC CUSAT
- Dr. Thresiamma, George, Dept. of Chemistry, Asso. Prof, Nirmala College, Muvattupuzha
- Dr.Thomas Varghese,Dept. of Physics, Asso. Prof, Nirmala College, Muvattupuzha
- Dr. Jacob Philip Prof & Director, STIC CUSAT ,
- Prof.Baby Varghese,Asso Prof, Newman College, Thodupuzha.
- Dr. T.R .Ananthakrishnan, Visiting Faculty, International School of Photonics, CUSAT
- C.R. Savithri, H.O.D, Dept. of Mathematics, St. Xaviers College for Women Aluva
- Prof. Jacob Thaliyan, HOD, School of Computer Science, DiST Angamaly
- Dr. N. Shaji, Dept. of Physics, Maharajas College, Ernakulam
- Dr. E.I Anila, Dept. of Physics, Union Christian College, Aluva
- Dr. Jiju P U, Dept. of Physics, Maharajas College, Ernakulam
- Prof. P.K Raveendran, Former Principal, Maharajas College, Ernakulam
- Dr. Vinod G., HOD, Dept. of Physics , SreeSankara College, Kalady

- Dr. T.V Sajeew, Head Forest Health, KFRI, Thrissur

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National : Nil

b) International : Nil

c) State Level : 03

- UGC Sponsored State Level Seminar on “Workshop on Electronic Instrumentation” (UGC sponsored) 20th -21st July 2011.
- State level Seminar in Connection with National Science Day 2016 19th February.
- State level Seminar in Connection with World Environment Day 2016 - 14th June.

26. Student profile programme/course wise:

Name of the Course/ programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc Physics	NA(Central Allotment Process)				
2012-2013		20	-	20	100
2013-2014		22	-	22	100
2014-2015		28	-	28	96.4
2015-2016		28	-	28	32.0

*M = Male *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc Physics	100%	-	-
M.Sc. Physics	100%	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.

- NET – 01

29. Student progression

Year	No. of Students	UG to PG	No. Of students	PG to M.Phil	PG to Ph.D	Ph.D to PDF	Campus recruitment	Other than Campus Recruitment	Self-Employment
2011-12	12	9	-						
2012-13	15	8	-						
2013-14	20	14	-						
2014-15	22	12							
2015-16	28	13						1	

30. Details of Infrastructural facilities

- a) **Library** : General Library and Department Library
: Number of Books in the Department Library: 265
- b) **Internet facilities for Staff & Students:** 6 Computer and One Printer cum photocopier
- c) **Class rooms with ICT facility:** Projector
- d) **Laboratories:** 03
- Internet facility
 - Computer Lab
 - Electronics Lab
 - General Physics Lab

31. Number of students receiving financial assistance from college, university, Government or other agencies:

Name of the Fellowship/Scholarship	2012-2013	2013-2014	2014-2015	2015-2016
Postmatric Scholarship (3000/- each)	14	19	14	-
Minority Scholarship (3390/- each)	-	6	3	-
Suvarna Jubilee Merit Scholarship	1	-	1	-
From college through save a star programme	4	4	4	4

32. Details on student enrichment programs (special lectures/ Workshops/ Seminar) with External Expert

- “Enjoy Physics through Films”- Demonstrative Session by Dr. S. Sankararaman, Dept. of Physics, Asso. Prof, Nirmala College, Muvattupuzha on 14/7/2011
- Seminar on Instrumentation by Dr. Jacob Philip Prof & Director, STIC CUSAT on 20/7/2011
- Workshop on Nano Electronic Instrumentation by Dr. Thomas Varghese, Dept. of Physics, Asso. Prof, Nirmala College, Muvattupuzha on 21/7/2011

- Seminar on Microcontroller by Prof. Baby Varghese, Asso Prof, Newman College, Thodupuzha. on 22/7/2011
- Basic Phenomena of Physics- Demonstration & Workshop by Dr. T.R .Ananthakrishnan, Visiting Faculty, International School of Photonics, CUSAT on 8/12/2012
- Workshop on Projects in Physics Dr. S. Sankararaman, Dept. of Physics, Asso. Prof, Nirmala College, Muvattupuzha on 29/7/2013
- Seminar on Computer Programming by Prof. Jacob Thaliyan, HOD, School of Computer Science , DiST Angamaly on 17/11/2014
- Lecture Series on “Expanding Universe” by Dr. N. Shaji, Dept. of Physics, Maharajas College, Ernakulam on 5/1/2015
- Seminar on “Nano Science and Nanotechnology: An Introduction” by Dr. E.I Anila, Dept. of Physics, Union Christian College, Aluva on 12/8/2015
- Seminar on “Light Matters” by Dr. Jiju P U, Dept. of Physics, Maharajas College, Ernakulam on 5/12/2015
- Lecture series on “Energy Conservation & Climate Change” by Prof. P.K Raveendran, Former Principal, Maharajas College, Ernakulam on 11/12/2015
- National Science Day Celebrations-2016 Seminar by Dr. Vinod G., HOD, Dept. of Physics , SreeSankara College, Kalady 19/02/2016
- World Environment Day 2016 seminar by Dr. T.V Sajeew, Head Forest Health, KFRI, Thrissur 14/6/2016

33. Teaching methods adopted to improve student learning:

- Tutorial
- Remedial Coaching
- Peer group Learning
- Extension Lectures
- Earn- while –you - learn
- Assignments
- Internal exams
- Class tests
- Hands on training through experiments

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Participation in AICUF, NSS, Women’s Cell

35. SWOC analysis of the department and Future plans:

Strengths:

- Well-matched student teacher ratio of 24:1
- Qualified and dedicated faculty
- Providing Remedial classes to weak students.
- Departmental library

- Well- equipped General and Electronics Laboratory.
- Well-furnished Computer Lab
- Students Counseling

Weakness:

- Time constraint is a major problem.

Opportunity

- Students get approachable atmosphere to express their ideas as well as doubts regarding subject and career.
- Provides opportunity to students to increase their interest and passion for science.

Challenges:

- Semester system

Future plans:

- To establish a Research oriented Lab
- To organize more extension activities

1. NAME OF THE DEPARTMENT : ZOOLOGY**2. Year of Establishment : 1993****3. Names of Programmes / Courses Offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph. D., etc.)**

- B.Sc. Zoology
- M.Sc. Zoology

4. Names of Interdisciplinary Courses and The Departments/Units Involved

- Open course on 'Vocational Zoology' offered by the Department of Zoology in the Fifth Semester of B.Sc.

5. Annual/ Semester/Choice Based Credit System (Programme Wise):

- Choice Based Credit & Semester System (CBCSS) for UG & Credit & Semester System [CSS] for PG

6. Participation of the Department in the Courses Offered by Other Departments

- Participated through Open Course

7. Courses in Collaboration with Other Universities, Industries, Foreign Institutions, etc. : Nil**8. Details of Courses/Programmes Discontinued (if any) with Reasons: Nil****9. Number of Teaching Posts**

	Sanctioned	Filled
Professors	-	-
Associate Professors in Zoology	2	2
Asst. Professors in Zoology	2	2
Associate Professor in Botany	1	1
Asst. Professors in Botany	1	1
Assistant Professors on Contract	4	4

10. Faculty Profile with Name, Qualification, Designation, Specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

- UG

Name	Qualification	Designation	Specialization	No. of years of experience
Dr.Sr. Alphonsa M.K.	M.Sc. M.Phil Ph. D	Principal Associate Professor	Environmental Biology	27
Ms.Usha K.R.	M.Sc. M.Phil	Associate Professor	Parasitology	21
Ms. K. Leena Joseph	M.Sc B.Ed.NET	Asst. Professor	Fisheries	20

Dr. Teji K.T.	M.Sc. M.Phil , Ph. D	Asst. Professor	Fisheries	1year 9 months
Ms.Reena Varghese	M.Sc.	Associate Professor in Botany	-	32
Dr.Sr.Philo T.J.	M.Sc. B.Ed Ph. D	Asst. Professor in Botany	Biotechnology	20

• PG

Year	Name	Qualifi- cation	Designation	Specialization	No. of years of experie nce
2005 onwards	Dr.Sr.Ciji. P.P.	M.Sc, MPhil Ph.D	Coordinator & Guest faculty	Fishery Biology & Toxicology	12
2011 onwards	Ms.Jerry Thomas	M.Sc.BEd	Guest faculty	Entomology	6
2013 onwards	Ms.Riji Joseph	M.Sc. BEd	Guest faculty	Entomology	4
2014 onwards	Sr. Marymol Joe	M.Sc.	Guest faculty	Biotechnology	3

11. List of Senior Visiting Faculty : Nil

12. Percentage of Lectures Delivered and Practical Classes Handled (Programme Wise) by Temporary Faculty

- U G Programme : Nil
- P G Programme [self financing] : 100%

13. Student -Teacher Ratio (programme wise)

- U G - 18:1
- P G - 10:1

14. Number of Academic Support Staff (Technical) and Administrative Staff; Sanctioned and Filled

- Sanctioned – 2
- Filled – 2

15. Qualifications of Teaching Faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Ph.D	M.Phil.	P.G.
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04	01	5
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16. Number of Faculty with Ongoing Projects from a) National b) International Funding Agencies and Grants Received: Nil

17. Departmental Projects Funded by DST - FIST; UGC, DBT, ICSSR, etc. and Total Grants Received: Nil

18. Research Centre /Facility Recognized by the University: Nil

19. Publications:

a) Publication per faculty

Sl. No	Name of faculty	Publications			Total
		International	National	Seminar proceedings	
1	Ms.K.Leena Joseph			2	2
2	Dr. Teji K. T.	1	4	11	16
3	Dr.Sr.Ciji P.P	1		1	2
4	Ms.Jerry Thomas			1	1
5	Ms.Sajna T.K. (Discontinued)			2	2
6.	Dr.Sr. Philo T.J.		1		1

Number of papers published in peer reviewed journals (national /international) by faculty: 5

Dr. Teji K. T.

- A Preliminary Study on Spider Diversity of Morning Star Home Science College, Angamaly, *Millennium Zoology*. 2015, Vol.16, Pg. 41-43, ISSN: 0973-1946
- Biodiversity of Aquatic Insects of Thonnamakka Canal of Karukutty Panchatath, *Scientia*, Jan - Dec 2015, Volume 11. No.1. ISSN: 0976-8289

Dr. Sr. Ciji P.P

- Toxicity of Copper and Zinc to *Puntius parrah* (Day, 1865). 2014. *J.Marine Environmental Research*.93, 38-46. (International)

Ms.Jerry Thomas

- A Study on Diversity and Distribution of Insects in Chettuvai Mangroves, Kerala, 2014. *Millennium Zoology*.Vol.15 (1)2014:47-49. ISSN: 0973-1946

Ms.Sajna T.K

- Biodiversity of Aquatic Insects of Thonnamakka Canal of Karukutty Panchatath, *Scientia*, Jan - Dec 2015, Volume 11. No.1. ISSN: 0976-8289

Dr.Sr.Philo T.J

- Phenological Studies on Six Graminaecious Weeds of Kerala. *Heartian Journal of Pure and Applied Science*. March 2012 Vol.2 No.01. ISSN.2277-1662.

b) Publication by students

Sl. No	Name of the student	Publications			Total
		International	National [peer reviewed]	Seminar proceedings	
1	Arjitha K. V.		1	0	1
2	Anju Francis			1	1
3	Rekha			1	1
4	Vadhana			1	1
5	Midhila K. M.			1	1
6	Asha Chandran			1	1
7	Saranya			1	1
8	Athira Rajan		1	1	2
9	Haritha N. H.		1	1	2

Number of papers published in peer reviewed journals (national /international) by students: 3**Haritha N. H.**

- A Preliminary Study on Spider Diversity of Morning Star Home Science College, Angamaly. 2015. *Millennium Zoology*. 2015, Vol.16, Pg. 41-43, ISSN: 0973-1946

Athira Rajan

- Biodiversity of Aquatic Insects of Thonnamakka Canal of Karukutty Panchatath, *Scientia*, Jan - Dec 2015, Volume 11. No.1. ISSN: 0976-8289

Arjitha K. V

- A Study on Diversity and Distribution of Insects in Chettuvai Mangroves, Kerala, 2014. *Millennium Zoology*. Vol.15(1)2014:47-49. ISSN: 0973-1946

International database**Dr.Teji K. T.**

Item: Identified a new subspecies of *Amblypharyngodon melettinus* from Muriyad Wetlands and it was named as *A. melettinus muriyadensis* and DNA sequences of *A. mlettinus*, *A. melettinus muriyadensis* and *A. chakaensis* were deposited in Genbank under various taxonomic id

Database: www.ncbi.nlm.nih.gov

Taxonomic Id:

FJ751264, FJ751265, FJ751269, FJ751270-*A.melettinus muriyadensis*

FJ751266, FJ751271- *A. chakaensis*

FJ751267, FJ751268, FJ751272- *A. melettinus*

Monographs: Nil

Chapter in Books

- Ms. Usha K. R, Associate Professor in History, published a chapter entitled Immunopathology –Immune Disorders (module 12) in the book “Microbiology and Immunopathology” published by Zoological Society of Kerala, 2013.

Books Edited

- Ms. K. Leena Joseph edited a book entitled “Proceedings of the UGC Sponsored National Seminar on Climate Change Scenario: Threats & Potential Impacts on Ecosystem” July 2013.

Books with ISBN/ISSN numbers with details of publishers

Citation Index---Dr.Teji K. T. - 7

1. Observations on the Morphological Abnormalities in Induced Bred Larvae of Some Freshwater Fishes. K.T. Teji, K.J. Thomas *Indian Journal of Fisheries* 53(3), 353-358, 2006.

2. A Review on Induced Breeding of Cat Fishes, Murrels and Climbing Perches in India

B.R.Kiran, K.Shankar Murthy., *Adv Appl Sci.*, 2013.

3. Suitability of Water Salinity for Hatching and Survival of Newly Hatched Larvae of Climbing Perch, *Anabas testudineus*. M. Nadhirah, A. Munafi, A. Bolong, K.K. Anuar, *Journal of Science*, 2014.

4. Role of GnRH, HCG and Kisspeptin on Reproduction of Fishes. P. Elakkanai, T. Francis, B. Ahilan, P.Jawahar. *Indian Journal of Science and Technology*, 2015-indjst.org

5. A Record of Anophthalmia in *Mystus tengara* (Hamilton, 1822) from Assam. J. Barman, A.K. Jaiswar, S.K. Charaborty. *Journal of Applied and Natural Science*, 2014 ansfoundation.org

6. Comparative Study of Analogue Hormones and the Embryonic, Larval and Juvenile Development on the Induced Breeding of Climbing Perch(*Anabas testudineus*, Bloch, 1972) J.Y. Loh, A.S.Y. Ting-2015-fisheries journal.com

7. Induced Breeding of Climbing Perch, *Anabas testudineus* in India: A Review. I. Ramesh, B.R. Kiran and S.G. Dhananjaya. *American Research Thoughts*, 2016. researchthoughts.us

8. Suitability of Water Salinity for Hatching and Survival of Newly Hatched Larvae of Climbing Perch, *Anabas testudineus*. M. Nadirah, A.B.A. Munafi, K.K. Anuar, R.Y. Raja. rdo.psu.ac.th

SNIP :Nil

SJR :Nil

Impact factor Dr. Teji K. T. : 0.22

h-index Dr. Teji K. T. : 1

20. Areas of Consultancy and Income Generated:

Consultancy is provided in the areas of project designing, evaluation and identification of insects and earthworms.

21. Faculty as Members in**a) National Committees**

- Ms. Leena Joseph is the Life Member of Bharathiya Vidya Bhavan, India.

b) International Committees: Nil**c) Editorial Boards**

- Ms. Usha K. R. is the teacher in charge of the Editorial Board Member of the College Magazine 2010-11.
- Ms. Usha K. R. is the teacher in charge of the Editorial Board Member of the College Newsletter 2011-12.
- Dr. Teji K. T. is the teacher in charge of the Editorial Board of the Proceedings of the National Seminar sponsored by UGC on Forest a Biodiversity Rich Biome: Current Status and Future Implications in March 2012.
- Dr. Teji K. T. is the teacher in charge of the Editorial Board Member of the College Magazine "Lumiere" in 2015-2016.

d) Membership in professional bodies:

- **Ms. Usha K. R.** is Life Member and Executive Member of Zoological Society of Kerala from 2012 onwards.
- **Ms. Reena Varghese** is Member of Kerala Botanical Society.

e) Exam board : Nil**f) Board of Studies:**

- Ms. K. Leena Joseph is Member of Board of Studies, Vimala College, Thrissur- (Autonomous College).
- Dr. Teji K. T. is Member of Board of Studies, St. Joseph's College, Irinjalakuda (Autonomous College).

22. Student Projects.

a) Percentage of students who have done in-house projects including inter departmental/programme: UG-100%; PG-10%

b) Percentage of students placed for projects in organizations outside the institution, i.e., in research laboratories/industry/ other agencies.

: UG: 0; PG: 90%

23. Awards / Recognitions Received by Faculty and Students.**Faculty**

- **Ms. Usha K. R.** is Life Member and Executive member of Zoological Society of Kerala.
- **Ms. Usha K. R.** undertaken duties of Chair Person of practical examinations of M G University.
- **Ms. Leena Joseph** is the Life Member of Bharathiya Vidya Bhavan, India.
- **Ms. K. Leena Joseph** is Member of Board of Studies, Vimala College, Thrissur- Autonomous College.

- **Dr. Teji K. T.** is Member of Board of Studies St. Joseph's College, Irinjalakuda-, Autonomous College.
- **Sr.Dr.Philo T.J.** is the Principal Investigator of the project entitled Ex-situ Conservation of Medicinal Plants in Morning Star Home Science College Angamaly, sponsored by State Medicinal Plants Board, Kerala.

Students

2011-2012

- Minu Merin Sabu of II B.Sc Zoology elected as the Chairperson of the college in the year 2011-12.
- Minu Merin Sabu won 1st prize in Spelling Test conducted in connection with Zoo Fest at Sree Sankara College, Kalady.
- Sonia Thomas won 1st prize in Essay Writing conducted in connection with Zoo Fest at Sree Sankara College, Kalady.
- Athira S. won 2nd prize in Essay Writing conducted in connection with Zoo Fest at Sree Sankara College, Kalady.
- Hiba Harris won 3rd prize in scientific drawing conducted in connection with Zoo Fest at Sree Sankara College, Kalady.
- Mariya Varghese won 3rd prize in Micrometry conducted in connection with Zoo Fest at Sree Sankara College, Kalady.
- Minu Merin Sabu won 3rd prize in Just a Minute (Radio Talk) conducted in connection with Zoo Fest at Sree Sankara College, Kalady.

2012-2013

- Reshma Nair of II B.Sc Zoology elected as the Chairperson of the college in the year 2012-13.
- Haritha N. H. won 1st prize in Zoological Map Identification conducted in connection with Zoo Fest at Morning Star Home Science College, Angamaly.
- Athira RAjan won 2nd prize in Zoological Map Identification conducted in connection with Zoo Fest at Morning Star Home Science College, Angamaly.
- Athira S. won 1st prize in Scientific Drawing conducted in connection with Zoo Fest at Morning Star Home Science College, Angamaly.
- Sonia Thomas won 2nd prize in Scientific Drawing conducted in connection with Zoo Fest at Morning Star Home Science College, Angamaly.
- Hiba Harris won 1st prize in Scientific Drawing conducted in connection with Zoo Fest at Morning Star Home Science College, Angamaly.
- Ann Maria Paul won 3rd prize in Scientific Drawing conducted in connection with Zoo Fest at Morning Star Home Science College, Angamaly.

- Dimple Andrews won 3rd prize in Just a Minute –Radio Talk conducted in connection with Zoo Fest at Morning Star Home Science College, Angamaly.
- Reshma Nair won 3rd prize in Just a Minute –Radio Talk conducted in connection with Zoo Fest at Morning Star Home Science College, Angamaly.
- Surumi K. K. won 1st prize in Table and Chart Preparation conducted in connection with Zoo Fest at Morning Star Home Science College, Angamaly.
- Aswathy N. S. won 3rd prize in Table and Chart Preparation conducted in connection with Zoo Fest at Morning Star Home Science College, Angamaly.
- Minu Merin Sabu won 2nd prize in Power Point Presentation conducted in connection with Zoo Fest at Morning Star Home Science College, Angamaly.
- Blessy Varghese won 1st prize in Genetic Problem conducted in connection with Zoo Fest at Morning Star Home Science College, Angamaly.
- Minu Merin Sabu won 2nd prize in Genetic Problem conducted in connection with Zoo Fest at Morning Star Home Science College, Angamaly
- Cicy and group won 1st prize in Patriotic Song conducted in connection with Zoo Fest at Morning Star Home Science College, Angamaly.
- Jincy Thomas won 1st prize in Face Painting in university level competition conducted at St. Joseph college of Communication, Pathanamthitta.
- Anisha Anto won 2nd prize in acting in university level competition conducted at St. Joseph college of Communication, Pathanamthitta.

2013-14

- Shilpa M.S of II B.Sc Zoology elected as the Chairperson of the college in the year 2013-14.

2015-2016

- Sana P. S. won 1st prize in intercollegiate KSCSTE sponsored Essay Competition conducted in connection with Ozone Day at Sree Sankara college, Kalady.
- Soumya A. C. 1st prize in ntercollegiate KSCSTE sponsored Essay Competition conducted in connection with Ozone Day at Sree Sankara College, Kalady.
- Anna Serine Saju won III rd prize in intercollegiate Quiz Competition on Indian Freedom Struggle organized by NSS unit Marthoma College, Perumbavoor.
- Anna Serine Saju won III rd prize in Quiz Competition in connection with Independence Day celebration of Nedumbassery Grama Panchayath.

- Athira Venu won 1st prize in Essay Competition on KSCSTE sponsored world Environment day celebrations conducted at St. Xaviers College, Aluva.
- Aswathy Suresh won 1st prize in Painting Competition on KSCSTE sponsored World Environment Day celebrations conducted at St. Xaviers College, Aluva.

24. List of Eminent Academicians and Scientists / Visitors to the Department

Sl. No	Name	Designation	Department	Date
1	Dr. Shaju Thomas	Reader and Head	Department of Zoology, Nirmala college, Moovatupuzha	6 -8-2010
2	Dr.K.Gopakumar	Former Deputy Director General	Indian Council of Agricultural Research, New Delhi.	11 -8-2010
3	Dr.M. Bala sundaram	Scientist & Head	Genetics and Biotechnology Division (Retd.) KFRI, Peechi, Thrissur.	11 -8-2010
4	Dr. Sushamma. P.K.	Professor	College of Horticulture, Agricultural University, Kerala.	12 -8-2010
5	Dr. John K.Thomas,	Reader	Dept. of Zoology, Christ College, Irinjalakuda.	11 -8-2010
6	Dr. S. Sreekumar,	Associate Professor	Christ College, Irinjalakuda.	9 -8-2011
7	Dr.Thomas Philip	Asso.Professor & HOD of Zoology	U C College, Aluva.	11 -8-2011
8	Dr.K.K. Sabu,	Scientist,	Biotechnology and Bioinformatics Division, TBGRI, Palode.	11 -8-2011
9	Dr. G.	Assosiate professor and	School of Biotechnology,	11 -8-

	Saritha Bhat	HOD	CUSAT.	2011
10	Dr. Venkita chalam	Principal Scientist	Dept. of Biotechnology, Periyar University, Salem.	12 -8-2011
11	Dr.Bala sundaram	H O D	Environmental Biotechnology Division, Tropical institute of Ecological Sciences, Kottayam.	12 -8-2011
12	Dr.T.V. Sajeev	Scientist	KFRI, Peechi, Thrissur.	12 -8-2011
13	Dr.Prisho Paul	Tutor	P.G. Dept.of Bio informatics, U.C.College, Aluva.	17 to 21-2-2012
14	Dr. Tomy Paul Kala pparambil	Professor	Department of Radiology, Michigan State University, Michigan, USA.	16 -8-2012
15	Dr. Raju Antony	H O D	Community Medicine, Sree Narayana Institute of Medical Science, Chalakka.	16 -8-2012
16	Dr.JoeThom as M.D	Associate Professor	Community Medicine, Sree Narayana Institute of Medical Science, Chalakka.	16 -8-2012
17	Dr.Sheeba Varghese	Assistant Professor	Dept. of Physiology. Sree Narayana Institute of Medical Science,Chalakka.	16 -8-2012
18	Dr. Suchanda Sahu M.D.	H O D	Biochemistry, Sree Narayana Institute of Medical Science, Chalakka.	17 -8-2012
19	Dr. P. Gopala	Associate Professor	Community Medicine, Sree Narayana Institute	17 -8-2012

	krishnan MPH		of Medical Science, Chalakka.	
20	Dr.Jaideep C. Menon M.D,D.M.,	Cardiologist Assistant Professor	SNIMS, Chalakka.	17 -8-2012
21	Dr.Unnikrishnan V	Homeopathic Medicine	Doctor	17 -8-2012
22	Dr. Prisho Paul	Tutor	P.G.Dept.of Bioinformatics, U.C. College, Aluva.	8-3-2013 9-3-2013
23	Dr. Latha Ananda	Director	River Research Centre, Thrissur.	17 -7-2013
24	Dr.S. Sreekumar,	Associate Professor	Dept. of Geology & Environmental Science, Christ College, Irinjalakuda.	30-7-2013
25	Dr.D. Prema.	Senior Scientist	Fishery Environment Management Division, CMFRI, Kochi.	30-7-2013
26	Dr. V. Venkatesan	Scientist	Molluscan Fisheries Division, CMFRI, Kochi.	30-7-2013
27	Dr.R.Jyothibabu	Scientist	CSIR, National Institute of Oceanography, Regional Centre, Kochi.	31 -7-2013
28	Dr.George Thomas	Associate Professor	College of Horticulture, KAU, Thrissur.	31 -7-2013
29	Dr.Jiss K. Varkey	IFS	Dept.of Forest Management and Utilization.	31 -7-2013

30	Dr.Shaji.C.P ..	Senior Research Fellow	KFRI, Peechi.	23 -8- 2014
31	Sri.N.D. Jayaprakash	Joint Secretary and Joint Convener	Science Forum, Delhi, of Bhopal Gas Peedit Sangharsh Sahyog Samithi.	27 -10- 2014
32	Dr. Roselin Alex	Associate Professor	Dept of Botany, St. Joseph's College, Irinjalakuda.	31 -7- 2015
33	Dr.P. Prameela	Associate Professor	Colege of Horticulture, KAU, Vellanikkara.	30-6- 2016
34	Dr. T.V. Sajeev	Scientist, HOD of Forest Pathology & Entomology	KFRI, Peechi.	14 -6- 2016
35	Dr.Sanga mesan	Associate Professor	Dept. of Sanskrit, Sree Sankara Sanskrit University, Kalady.	23 -8- 2016

25. Seminars/ Conferences/Workshops Organized & the Source of Funding

A) National: 3

b) International: Nil

c) State level: 1

State Seminars

- UGC sponsored state level seminar on “Conservation of Environment and Ecofriendly Management of Domestic Waste- a Sustainable Approach”, 11th and 12th August 2010.

National Seminar

- UGC sponsored National Seminar “Biotechnology - a Tool for Sustainable Environmental Conservation” 11th and 12th August 2011.
- UGC sponsored National Seminar on ‘Life Style diseases– An Emerging Issue’, 16th and 17th August 2012.
- UGC sponsored National Seminar on ‘Climate change scenario: Threats & Potential impacts on Ecosystem’, 30th and 31st July 2013.

26. Student Profile Programme/Course Wise:

Year	Name of the Course/ programme	Applications received	Selected	Enrolled female students	Pass Percentage
2010-11	B Sc Zoology			15	93
	M Sc Zoology			17	83

2011 - 12	B Sc Zoology	Online admission		23	100
	M Sc Zoology	Online admission		14	100
2012 - 13	B Sc Zoology	Online admission		23	100
	M Sc Zoology	Online admission		20	85.7
2013 -14	B Sc Zoology	Online admission		26	87
	M Sc Zoology	Online admission		14	90
2014 - 15	B Sc Zoology	Online admission		24	87
	M Sc Zoology	Online admission		19	86
2015 - 16	B Sc Zoology	Online admission		24	65.4
	M Sc Zoology	Online admission		15	Result awaiting
2016- 17	B Sc Zoology	Online admission		21	
	M Sc Zoology	Online admission			

Since Centralised Allotment Programme [CAP] was introduced in 2011 by the Mahatma Gandhi University for all Colleges affiliated to it, we do not have details of the total number of applicants at the UG/PG level in our College from 2011 onwards. Hence, the number of applications received for the management and community quota seats alone are given above.

27. Diversity of Students

Year	Name of the Course	% of students from the same state	%of students from other States	% of students from abroad
2011-16	MSc Zoology	100	0	0
2011 -14	BSc Zoology	100	0	0
2014 - 15	BSc Zoology	99	1	0
2015-16	BSc Zoology	99	1	0
2016 -17	BSc Zoology	100	0	0
2016-17	M Sc Zoology	99	1	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.

- SET : 4
- KTET: 3

29. Student Progression

Student progression	Against % enrolled						Average
	2010 -11	201 1- 12	2012 -13	2013 -14	2014 -15	2015-16	
UG to PG	20	41	60	55	48	Just passed	49

PG to M.Phil		-	0.05	-	-	-	
PG to Ph.D.		Nil	-	-	-	-	-
Ph.D. to Post-Doctoral		Nil	-	-	-	-	-
Employed		3	3	1	-	-	-
Campus selection		9%	8%	2.5%			
Other than campus recruitment	26.6	35	25	14	13		
Entrepreneurship / Self-employment		0	-	-	-	-	-

30. Details of Infrastructural Facilities.

a. Library: The Department maintains a library which consists of 541 books of various branches of Zoology and one journal. The books are issued to faculty, M.Sc. and B.Sc students. Separate stock register and issue registers are kept in the department.

b. Internet Facilities for Staff & Students: The Department has provided with four Desktop computers and one with Wi-Fi internet facility and one laptop.

c. Classrooms with ICT Facility: The Department has 3 LCD projectors and one OHP which is used in class rooms.

d. Laboratories

- Well equipped M. Sc and B. Sc. laboratories are maintained in the department.

31. Number of Students Receiving Financial Assistance from College, University, Government or other Agencies

Year	Government				
	Suvarna Jubilee Merit Scholarship	Lakshadweep	Post Metric Scholarship	State Merit Scholarship	Muslim Girl Child Scholarship MGS
2012-13			12	1	

2013-14	1	1	22		1
2014-15	1	2	17		
2015-16		1			

32. Details on Student Enrichment Programmes (special lectures / workshops /seminar) with External Experts

- Dr. Shaju Thomas, Reader and Head, Department of Zoology, Nirmala College, Moovatupuzha took a seminar on Environmental Conservation as a part of association inauguration on 6th August 2010.
- Dr. S. Sreekumar, Christ College, Irinjalakuda took a one day seminar on Conservation and Management of Waste Land of Kerala as a part of association inauguration on 9th August 2011.
- A three day seminar cum practical sessions based on the Bio -informatics syllabus was given to 111B.Sc. Students from 17-02-2012 to 21-02-2012. Dr. Prisho Paul of P.G. Dept. of Bio informatics, U.C.College, Aluva was the resource person.
- A two days seminar cum practical sessions based on the Bio- informatics syllabus was given to 111BSc. Students from 08-02-2012 to 09-03-2012. Dr. Prisho Paul of P.G. Dept. of Bio informatics, U.C.College, Aluva was the resource person.
- Dr. Latha Ananda, Director, River Research Centre, Thrissur took a seminar on Conservation of River Periyar as a part of association inauguration on 17th July 2013.
- Renowned scientist Dr. Shaji C.P. from KFRI Peechi took an interesting and lively seminar on “Fresh Water Fishes of Kerala” as a part of association Association & SCAWEP inauguration on 23rd August 2014.
- Sri .N.D. Jayaprakash, Joint Secretary of Science forum, Delhi and Joint Convener of Bhopal Gas Peedit Sangharsh Sahyog Samithi, took a seminar on Bhopal Gas Tragedy – third talk on Lecture Series organized by the Dept. of Zoology & hosted by the College on 27th October.
- Dr. Roselin Alex, Associate Professor, Dept of Botany, St. Joseph’s College, and Irinjalakuda delivered a lecture on Stem Cell Therapy as a part of association inauguration on July 31st 2015.
- Dr, T.V. Sajeev Scientist, HOD of Forest Pathology & Entomology, KFRI Peechi took a seminar on From Financial to Environmental Governance Joining the Race...”,in connection with World Environment Day sponsored by KSCSTE on 14th June.
- Dr.P.Prameela Associate Professor Colege of Horticulture, KAU, Vellanikkara took a seminar on the Role of Pulses in Sustainable Food

Production in connection with International Year of Pulses Day sponsored by KSCSTE on 30 July 2016.

- Dr.Sangamesan Associate Professor Dept. of Sanskrit, Sree Sankara Sanskrit University,Kalady delivered a talk on Nature and Development in association inauguration 23rd August2016.

33. Teaching Methods Adopted to Improve Student Learning

- Lectures and Power Point Presentations.
- Test Papers, Seminars and Assignments.
- Field Study Trips, Study Tour and Nature Camps.
- Group Discussions.

34. Participation in Institutional Social Responsibility (ISR) and Extension Activities

- Our faculty K. Leena Joseph is NSS Programme Officer and she enthusiastically organizing and executing ISR activities through NSS. Our students are also volunteers of NSS.
- K. Leena Joseph is Women's Cell (approved by KSWDC) Co-ordinator and Youth Red Cross Society Co-ordinator.
- SCAWEP [Society for Conservation of Animal World and Environmental Protection] is an unregistered society functioning under Dept. of Zoology for the promotion of eco friendly activities like Vermiculture and Suchitwa Bodhana Yajnam.
- For the last six years we are actively participating in Suchithwa Bodhana Yajnam – an Environmental Awareness Programme.
- For the last eighteen years [1998-2016] department has been maintaining vermicompost units and promoting its possibilities as an ecofriendly method for disposal of domestic garbage, compost as a fertilizer and role of earth worms in increasing soil fertility.

35. SWOC Analysis of the Department and Future Plans.

Strength

- Well qualified faculty dedicated to their profession.
- Sincere and dedicated lab assistants.
- Healthy and friendly relationship between teaching and non teaching staff.
- Student – teacher bond.
- Well equipped spacious, neatly and orderly maintained lab, museum and library.
- Computers, internet facility and LCD projectors.
- Impressive extension activities like SCAWEP, Vermiculture, Nature club and Manuscript magazine.
- Effective student counseling, remedial coaching and tutorials.
- Yearly organizing study tour, Nature camp and three field trips.

- Organized three UGC sponsored National and one State level Seminars.

Weakness

- No research centre

Opportunities

- Availabilities of fund allocated by UGC and other agencies to conduct seminars and workshops.
- Possibilities of vermiculture consultancy.
- Opportunities to avail free nature camp sponsored and organized by Forest department.
- Participation in outreach programme like Suchithwa Bodhana Yanjam.
- With the installation of sophisticated instruments PG students get ample chances to do projects in the department itself.

Threats/Challenges

- Students lost opportunities due to delayed publication of results.
- PG programme is self financing.
- Since most of our students belong to socially marginalized and financially backward families, the untiring effort from the teachers throughout the academic year is essential for achieving excellence.

Future Plans

- Regularize the PG course.
- Starting a full-fledged Research Centre.
- More outreach programme.
- Widening the horizons of vermiculture consultancy.

1. NAME OF THE DEPARTMENT : ECONOMICS**2. Year of Establishment : 1981****3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :**

- B.A. Economics
- Certificate Course in 'Research Methodology' (2015-2016 onwards)

4. Names of Interdisciplinary courses and the departments/units involved:

- Open course in 'Foundations of Environmental Economics' offered by the Department of Economics in the Fifth Semester of B.A.

5. Annual/ semester/choice based credit system (programme wise):

- Choice Based Credit & Semester System

6. Participation of the department in the courses offered by other departments:

- Participated through Open Course

7. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil**8. Details of courses/programmes discontinued (if any) with reasons: Nil****9. Number of Teaching posts:**

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors in Economics	02	02
Asst. Professor in History	01	01
Asst. Professor on Contract (Economics)	01	01
Asst. Professor on Contract (Sociology)	01	01

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.):

Name	Qualification	Designation	Specialization	No. of years of Experience
Dr.Laisa Thomas	M.A., B.Ed., M.Phil., Ph.D., M.B.A., NET	Assistant Professor	Demography	20 Years
Dr.Resmi G.	M.A., B.Ed., Ph.D., NET, SET	Assistant Professor	Tourism & Women's Studies	1 Year & 9 Months
Rinu K. Louis	M.A., M. Phil., NET	Assistant Professor	Modern Kerala History	1 Year & 9 Months

Rincy Paul	M.A.	Assistant Professor on Contract	Economics	3 Months
Soumya Kachappilly	M.A., B.Ed.	Assistant Professor on Contract	Indian Society	1 Year

11. List of senior visiting faculty:

- Dr. Thresiakutty K.M., Former Head, Department of Economics, Morning Star College, Angamaly.
- Dr. N. Ajithkumar, Former Head, Department of Economics, Cochin College, Cochin.
- Dr. Tomy Varghese, Former Head, Department of Economics, U.C. College, Aluva.
- Sri.Sambhu Namboodiri, Head, Department of Economics, Sree Sankara College, Kalady.

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : 20%

13. Student -Teacher Ratio (programme wise) : 39:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : Nil

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Ph.D	M.Phil.	P.G.
02	02	02

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

Sl.No.	Name and Topic	Funding Agency	Amount	Duration
1	Dr.Laisa Thomas 'Fertility Decisions and Its Demographic Impact on the Kerala Family'	UGC	Rs.1,10,000	2 years (Completed)
2	Dr. Thresiakutty K.M. (Retd.) 'A Study on Rejuvenation of Distressed Traditional Industries of Kerala with Special Reference to Bamboo Industry'	UGC	Rs. 75,000	2 years (Completed)

18. Research Centre /facility recognized by the University : Nil

19. Publications:

*** a) Publication per faculty:**

Name of Faculty	Number of Publications
Dr. Laisa Thomas	04
Dr. Resmi. G.	02
Rinu K.Louis	01
Soumya Kachappilly	01
Dr. Thresiakutty K.M. (Retd.)	05

*** Number of papers published in peer reviewed journals (national /international) by faculty: 10**

List of Publications:

Dr. Laisa Thomas

- “Sustainable Development: Global Issues”, Star Research Reach-Intra Inter Disciplinary Journal, ISSN 0975-5101, Vol.2, No.3, December 2010.
- “Impact of Women’s Education in the Socio- Economic Security of Family in Kerala”, Research Scholar-Peer Refereed Quarterly Inter Disciplinary Research Journal, ISSN 2249-6696, Vol.III, No.-IV –A, December 2013.
- “Growing Per Capita Income and Consumerism in Kerala”, Star Research Reach, Intra-Inter Disciplinary Journal, ISSN 0975-5101, Vol.5, No. 1, December 2013.
- “Kerala Model of Development and its Perception on Family”, Star Research Reach, Intra-Inter Disciplinary Journal, ISSN 0975-5101, Vol.7, No. 2, December 2015.

Dr. Resmi G.

- “Green Marketing: Issues and Challenges”, Star Research Reach, Intra-Inter Disciplinary Journal, ISSN 0975-5101, Vol.7, No. 2, December 2015.
- “Entrepreneurship Development among Women”, Baselius Researcher, ISSN- 0975-8658, July-December 2015.

Rinu K. Louis

- “British Colonialism and Classical Ethnography: A Story of Ideological Subjugation”, Star Research Reach, Intra-Inter Disciplinary Journal, ISSN 0975-5101, June 2015.

Soumya Kachappilly

- “A sociological Outlook on the understanding of Kadar Tribes and their Livelihood: a Study of Athirappily Panchayat”, Star Research Reach, Intra-Inter Disciplinary Journal, ISSN 0975-5101, Vol.7, No. 2, December 2015.

Dr. Thresiakutty K.M. (Retd.)

- “Bamboo- The Greengold and WonderGrass”, S. H. Resource Journal- Humanities and Business Studies, vol. 6, No. 2, July-December 2010.

- “Modernization and the Transformation of Bamboo Industry”, Star Research Reach, Intra-Inter Disciplinary Journal, ISSN 0975-5101, Vol.3, No. 1, June 2011.

*** Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences**

Directory, EBSCO host, etc.) : Nil

*** Monographs** : Nil

*** Chapter in Books:**

- **Rinu K.Louis**, Assistant Professor in History, published an article in the book entitled “Experiencing the Past Writings in History”, ISBN 9-788192-791807 published by Prof. Raju K.N., S. S. V. College, Valayanchirangara, July 2016.

*** Books Edited:**

- **Dr. Laisa Thomas** edited a book entitled “Global Economy and Environmental Sustainability”, April 2012.
- **Dr. Laisa Thomas, Dr. Resmi G. and Rinu K.Louis**, jointly edited a book entitled “Inclusive Growth and Development in the Indian Context”, ISBN 978-81-7255-071-4, March 2016.

*** Books with ISBN/ISSN numbers with details of publishers** : Nil

*** Citation Index** : Nil

*** SNIP** : Nil

*** SJR** : Nil

*** Impact factor** : Nil

*** h-index** : Nil

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

a) National committees : Nil

b) International Committees : Nil

c) Editorial Boards:

- Dr. Laisa Thomas as the teacher in charge of the Editorial Board of the Proceedings of the National Seminar sponsored by UGC from 2010-2014.
- Dr. Laisa Thomas, Dr. Resmi G., and Rinu K.Louis in the Editorial Board of the book entitled “Inclusive Growth and Development in the Indian Context”, ISBN 978-81-7255-071-4, March 2016.
- Dr. Laisa Thomas as the teacher in charge of the Editorial Board Member of the College Magazine “Star Glimpses” in 2011-2012.
- Rinu K.Louis as the teacher in charge of the Editorial Board Member of the College Magazine “Lumiere” in 2015-2016.
- Dr. Laisa Thomas, Dr. Resmi G., and Rinu K.Louis in the Editorial Board of the ‘Department Manuscript’ published annually by the Department of Economics.

22. Student projects

a) **Percentage of students who have done in-house projects including inter departmental/programme** : 100%

- All students of B.A. Economics jointly do one project as part of their certificate course 'Research Methodology' in the fifth semester from 2015-2016 onwards.

b) **Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies** : Nil

23. Awards / Recognitions received by faculty and students:**Faculty:**

- Dr. Laisa Thomas, Assistant Professor, Department of Economics, passed M.B.A. in Human Resource Management from Anna Malai University in 2011.
- Dr. Laisa Thomas was appointed as subject expert in the inspection commission constituted by Mahatma Gandhi University for starting new U.G. courses/additional batch in unaided self-financing arts and science Colleges for the year 2012-2013.
- Dr. Laisa Thomas was appointed as subject expert for the selection of Project Associate for Major Research Project awarded to Dr. Manjula K., Department of Economics, M.A.College, Kothamangalam on 18th July 2012.
- Dr. Laisa Thomas was a resource person in the National Encounter on 'World Youth Parliament- Education on our way towards a new Civilization' organised by Idente Youth- an international organization held at POC Palarivattam on August 10-12, 2012.
- Dr. Laisa Thomas was the Chief Guest to inaugurate the 'Economics Association' of Al Ameen College, Edathala and delivered a talk on 'Current Rupee Depreciation Problem' on 10th September 2013.
- Rinu K. Louis, Assistant Professor, Department of History awarded M.Phil. Degree in 2015.
- Dr. Laisa Thomas was appointed as subject expert in the Interview Board in Economics for the selection of Higher Secondary Teachers in Mar Augustine Higher Secondary School, Thuravoor on 16th June 2015.
- Rinu K. Louis, AICUF Co-ordinator, served as a resource person in the AICUF Zonal Fresher's Camp 2015.

Students:

- The students of III B.A. Economics won Consolation prize for the 'Athapookkalam' contest organized by Kannan Devan Nature Club in the year 2010-2011.
- Jainy John of III B.A. Economics won Individual Sports Champion in the year 2011-2012.
- Greeshma Joshy of II B.A. Economics was elected as the Sports Secretary of the College Union in the year 2011-2012.

- Anjumol Thomas of II B.A. was elected as the President of AICUF in the year 2013-2014.
- Athira P.B., Shanitha Shaji and Vidhya K.P. were selected as the Vice President, Secretary and Joint Secretary of AICUF in the year 2013-2014.
- Athira P.B. and Ambily Varghese of II B.A. won First and Second Prize in the poster competition in connection with 'Vanamahotsav' conducted by NSS on June 5, 2013.
- Sony Mathew of III B.A. Economics was selected to the Additional Skill Acquisition Programme (ASAP) introduced by the State Government of Kerala.
- Twinkle Paul of II B.A. Economics was elected as the AICUF Zonal Executive Member in the year 2014-2015.
- Twinkle Paul of II B.A. elected as the Chairperson of the college in the year 2014-2015.
- Chaithanya P.V., Priya George and Bisla Eldhose were elected to the College Union in the year 2014-2015.
- Rincy M.K. of II B.A. was elected as the AICUF Treasurer in the year 2015-2016.

24. List of eminent academicians and scientists / visitors to the department:

- Dr.N.Ajith Kumar, Former Head, Department of Economics, The Cochin College, Kochi
- Prof.Fatima Babu, Professor & HOD of English, St. Mary's College, Tuticorin
- Sri.T.K.Thomas, DYSP, CBCID
- Dr. Nirmala Padmanabhan, Associate Professor, Department of Economics, St.Teresa's College, Ernakulam
- Sri.K.V.Francis, Commercial Manager, Kerala State Bamboo Corporation, Angamaly South
- Prof. P.N.Suresh, Former Principal , S.N.M. College, Maliankara
- Prof.Philomina K.P., Former Head, Department of Economics, Alphonsa College , Pala
- Dr.K.K.John, Head, Department of Economics, St. Thomas College, Pala
- Prof. Abraham K.C., Former Head, Department of Economics, S.H.College, Thevara
- Dr.Luismiguel Romero Fernandez, Former Vice –Chancellor, Technical University of Loja & Permanent Ambassador, Ecuador
- Dr.M.C.Dileep Kumar, Member Syndicate, Mahatma Gandhi University, Kottayam
- Dr. Francis Cherunilam, Professor, School of Management Studies, Cochin University of Science & Technology, Kalamassery
- Dr.P.K.Michael Tharakan, Former Vice-Chancellor, Kannur University

- Dr.P.S.Mohankumar, Professor, D.C.School of Management & Technology, Trivandrum
- Dr.Sheeba V.T., Assistant Professor, NSS College, Changanassery
- Dr.S.Muraleedharan, Former Professor, Maharaja's College, Ernakulam
- Dr. K.Poulose Jacob, Pro Vice Chancellor, CUSAT Kalamassery
- Dr.Celinkutty Mathew, Head, Department of Economics, Newman College, Thodupuzha
- Sri.N.Sadasiv, Prime Minister's Rural development Fellow, MORD, Govt. of India
- Sri.Shaju Antony, Federal bank, Nedumbassery
- Sri.Prince Thekkan, State President of Consumer Protection Form, Kerala
- Mrs.Linda Mary Matley, Governor of School, London
- Ms. Jennifer O'Brien, Project Officer, Oxford
- Prof.A.Renga Reddy, UGC Emeritus Fellow, Department of economics, Sri.Venkateswara University, Tirupati, Andhra Pradesh
- Dr.Leena Mtaheew, Reader & Research Guide, Research and P.G. Department of Economics, B.K. College, Amalagiri
- Dr.Rajan Varghese, Former Pro Vice Chancellor, M.G. University & Head, Research and P.G. Department of Economics, U. C. College, Aluva
- Dr.Alice Mani, Associate Professor, Department of Commerce, Christ University, Bangalore
- Prof. Mathew M.Mukkattu, Former Professor, Fanshawe College, University of Western Ontario, Canada
- Dr.Sindhu K., Assistant Professor, Department of Economics, The Cochin College, Cochin
- Dr.Tomy Vaghese, Head, Post Graduate Department of Economics, U. C. College, Aluva
- Dr.S.Harikumar, Professor, Department of Applied Economics, Cochin University of Science and Technology, Kalamassery
- Dr. M.C.Dileepkumar, Vice-Chancellor, Sree Sankaracharya University, Kalady
- Fr. Xavier Tharamel S.J., AICUF Co-ordinator, Ernakulam Zone
- Prof. Sambhu Nampoodiri, Head, P.G. Department of Economics, Sree Sankara College, Kalady
- Dr. Sreeja S., Associate Professor, P.G. Department of Economics, Sree Sankara College, Kalady
- Ms. Esperanza Estades, Provincial Superior, Idente Missionaries, Spain

25. Seminars/ Conferences/Workshops organized & the source of funding

- a) **National** : 05
b) **International** : 01

National Seminars:

- UGC Sponsored National Seminar on “Sustainable Development: Issues and Challenges with Special Reference to Environment”, 29 - 30 July 2010
- UGC Sponsored State Level Seminar on “Education and Women Empowerment”, 28-29 July 2011
- UGC Sponsored National Seminar on “Changing Status of Women in India : Its Issues and Challenges”, 25 -26 July 2013
- UGC Sponsored National Seminar on “Environmental Degradation : A Threat to India’s Economic Development” 24 -25 July 2014
- UGC Sponsored National Seminar on “Inclusive Growth and Development in the Indian Context”, 23 - 24 July 2015

International Seminar: International Seminar on “Global Economy and Environmental Sustainability”, 23 -24 February 2012 sponsored by the Department of Economics, Morning Star College, Angamaly

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass Percentage
			*M	*F	
B.A. 2012-2013 2013-2014 2014-2015 2015-2016	Centralized Admission Process	40	-	34	70.6%
		40	-	37	86.49%
		40	-	39	89.74%
		40	-	44	14.0%

*M = Male *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.A.	100%	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.

- NET – 01
- MAT – 01

Student progression	Against % enrolled				
	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
UG to PG	18	32.5	10	12.5	32.5
PG to M.Phil.	-	-	-	-	-

PG to Ph.D.	-	-	-	-	-
Ph.D. to Post-Doctoral	-	-	-	-	-
Employed • Campus selection • Other than campus recruitment	10	10	12.5	5	5
Campus recruitment	-	-	-	-	-
Entrepreneurship/Self-employment	-	-	-	-	-

29. Student progression**30. Details of Infrastructural facilities**

a) **Library** : General Library and Department Library

- Number of Books in the Department Library: 710

b) **Internet facilities for Staff & Students** : One Computer and One Printer

c) **Class rooms with ICT facility** : Nil

d) **Laboratories** : NA

31. Number of students receiving financial assistance from college, university, government or other agencies:

Name of the Fellowship/Scholarship	2012-2013	2013-2014	2014-2015	2015-2016
Postmatric Scholarship (3000/- each)	31	29	25	-
MuslimGirls Scholarship(4000/-each)	05	04	-	-
Suvarna Jubilee Merit Scholarship(10000/each)	-	10	17	02
Blind/PH Scholarship (10000/-)	01	01	-	-
Snehapurvam Padhathi	-	-	01	-
State Merit Scholarship	-	-	-	02
MGS Scholarship	-	-	-	01
C.H. Muhammedkoya Scholarship	-	-	-	01
Higher Education Scholarship	-	-	-	08

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts:

- A two day seminar cum workshop conducted under Equal Opportunity Programme of UGC for the first and second year students on 22-23 February 2011.
- An awareness class on 'Banking and Saving Habits among Students' was conducted on 13 June 2011, for the final year students.

- The department observed ‘World Environment Day’ on 5 June 2013 by planting saplings in the campus.
- A seminar on the ‘Scope and Possibilities of Overseas Education’ by Mrs. Beena Krishnan, Senior Manager, Jubeech Consultancy Pvt. Ltd. was organized for the final year students of B.A. Economics on 12 December 2013.
- The department of Economics organized the second lecture of the ‘Lecture Series’. Mr. Arun Mohan, who bagged the 911 rank and selected to the Indian Information Service in the civil services examination delivered a talk on the topic ‘Tips for success in competitive examinations’ on 25 August 2014.
- On 4 February 2015, the Department organized a ‘Cooking Class’ on preservation practices for the final year B.A. students as an inter-departmental activity, in association with the Department of Home Science of the College.
- An inter-collegiate essay competition was conducted for the students of Economics under Mahatma Gandhi University on the topic “Environmental Issues and Development Dilemmas: The Kerala Experience” in 2015. Ms Reshma Shyna Shajan from K.E. College Mannanam bagged the first position in the competition.
- The AICUF unit of the College functioning under the Department of Economics conducted the Christmas celebration on 18 December 2014. Dr. Laisa Thomas, AICUF coordinator delivered a Christmas message on the occasion.
- The AICUF unit of our college also celebrated the 90 year of AICUF-DINAM- on 10 February 2015. Sri. P.C. Cyriac IAS inaugurated the function and Smt. Lilly Thomas Palokaran delivered a talk on ‘Women Empowerment and Media’ on the occasion.
- The AICUF Valedictory Ceremony was held on 20 February 2015. Mrs. Linda Mary Matley (Governor of School, London) and Ms. Jennifer O’Brien (Project Officer at Oxfarm, Oxford) were the invited guests of the function.
- An International Cultural Interaction programme – “Cultura”- was also arranged. This provided an ice-breaking session for the students as well as the invited guests.
- The Department of Economics initiated the functioning of Human Resource Development Club in the Department from the academic year 2014-2015 onwards. This club aims to provide programmes to orient, train and develop the talents in students by improving skills, knowledge, capabilities and competencies required to bring all round development. The club has a total membership of 19 students.
- The club organized a debate competition among the students on the topic : Sari Vs. Salwar- The Dress code of Teachers. Students actively participated in the debate and opened out their thoughts on the topic.

- The club also organized an open discussion on The Changing Perspectives on Life and Generation Gap.
- A career aptitude test was conducted for the students of final year economics by Guider's India, Kadavanthra on 11 January 2016 by Mr. Midhun.
- The department organized a seminar for the students of final year economics on the topic "Women and Banking" on 22 January 2016. Sri. Shaju Antony, from Federal Bank, Nedumbassery delivered the talk.
- AICUF day 2015 was observed on 28 July 2015. Fr. Henry Pattarumadathil S.J., former state advisor of AICUF inaugurated the function. A condolence meeting following the sudden demise of Dr. APJ Abdul Kalam was also organized on the same day.
- An Orientation programme for the first year AICUF members were conducted on 3 October 2015. The session was handled by Fr. Jose Pulinthanath S.J.
- A Seminar on 'Consumer Protection Rights' for the final year students by Mr. Prince Thekkan, State President, Kerala Consumer Protection Form on 19 January 2016.
- The HRD Club under the Department of Economics organized a debate on the topic 'Uniform in College Campuses: Yes or No' on August 2016.
- The club also organized a demonstration class on 'Wall Décor' for the final year students on January 2016.

33. Teaching methods adopted to improve student learning:

- Tutorial
- Remedial Coaching
- Peer Learning
- Extension Lectures
- Seminars (International, National and State Level) as well as in house seminars
- Projects
- Assignments
- Internal exams
- Class tests

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Participation in AICUF, NSS, Women's Cell
- Conducted a survey on 'Waste Management' in the college in 2015.
- The students and faculty of the department paid a visit to Abhayabhavan, Koovappady along with the AICUF members and distributed help to the inmates on 22 August 2015.
- Conducted a survey on 'Usage of Library by the Students of Morning Star College' in 2016.

- Conducted awareness classes and provided chairs, toys and stationery to the adopted Anganwady in Nedumbassery Panchayat.

35. SWOC analysis of the department and Future plans:

Strengths:

- Qualified and dedicated faculty.
- Hardworking and active students.
- Providing Remedial classes to equip the weak students to cope up with the syllabus.
- Resourceful Departmental library.
- Well connected to and supported by its retired faculty.
- Good rapport with students.
- Guidance and counselling for the needy.

Weaknesses:

- Lack of a P.G. department
- Time constraint to deal with emotional, psychological problems of students

Opportunities:

- Active and dynamic Economics Association.
- Certificate Course in Research Methodology.

Challenges:

- Hectic schedule within the time constraints of semester system

Future plans:

- To start M.A. programme in Economics.
- To organize more extension activities. To strengthen Economics Association through activities initiated by students.

1. NAME OF THE DEPARTMENT : ENGLISH

2. Year of Establishment : 1968

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc. : **B.A. English (Self Financing) Certificate Course in 'Communicative English' (UGC Add on Course in Communicative English sanctioned in 2010 is continued as Certificate Course)**

4. Names of Interdisciplinary courses and the departments/units involved : Nil

5. Annual/ semester/choice based credit system (programme wise):

- Choice Based Credit & Semester System

6. Participation of the department in the courses offered by other departments:

- Common Courses of the programmes offered by other departments.

7. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of teaching posts:

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professor in English	01	01
Asst. Professor in Malayalam	01	01
Asst. Professor in Hindi	01	01
Asst. Professors on Contract (English)	03	03

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience
Ms. Sophia James	M.A., B.Ed., NET	Assistant Professor	English Language Teaching	11
Sr. Dr. Jessie K.P.	M.A., M.Phil., Ph. D.	Assistant Professor	Novel	3
Sr. Dr. Gisha Joseph	M.A., M.Phil. Ph. D.	Assistant Professor	Poetry	3
Ms. Sabitha N.	M.A., B.Ed., NET	Assistant Professor on Contract	Communicative English	1
Ms. Arya M.P.	M.A., M.Phil., NET	Assistant Professor on Contract	Film Studies	1
Ms. Meenu Alexander	M.A., NET	Assistant Professor on Contract	Linguistics	-

11. List of senior visiting faculty:

- Prof. Leelamma John, Former Head, Department of English, Morning Star College, Angamaly.
- Dr. Sonia James, Assistant Professor, Department of English, St. Peter's College, Kolencherry.
- Ms. Merlin Alexander, Former Head, Department of English, Morning Star College, Angamaly.

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : 20 %

13. Student -Teacher Ratio (programme wise):

UG Common Courses - 100:1
 UG Core Courses - 18:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Nil

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:

Ph.D	M.Phil.	P.G.
02	03	06

16. Number of faculty with ongoing projects from a) National**b) International funding agencies and grants received: Nil****17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:**

Sl.No.	Course	Funding Agency	Amount Sanctioned	Year
1	Add-on Course in Communicative English	UGC	7,00,000	2010

18. Research Centre /facility recognized by the University: Nil**19. Publications:**

- **Publication per faculty:**
- **Number of papers published in peer reviewed journals (national/international) by faculty: Nil**
- **Number of publications listed in International Database (ForEg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : Nil**
- **Monographs : Nil**
- **Chapter in Books: 1**
Sophia James, Assistant Professor in English, has written a chapter titled "From Hubris to Humility: The Need for a Transformation in our Consciousness from Anthropocentric to Biocentric", in the edited book entitled "Global Economy and Environmental Sustainability", published by Dr. Laisa Thomas, Department of Economics, Morning Star College, Angamaly, April 2012.
- ***Books Edited : Nil**
- ***Books with ISBN/ISSN numbers with details of publishers : Nil**
- ***Citation Index : Nil**
- ***SNIP : Nil**
- ***SJR : Nil**
- ***Impact factor : Nil**
- ***h-index : Nil**

20. Areas of consultancy and income generated:

The faculty of the Department serves as experts for consultancy regarding language matters like translation, proof reading etc.

21. Faculty as members in

a) **National committees** : Nil

b) **International Committees:** Nil

c) **Editorial Boards:**

- Ms. Sophia James, as the Staff Editor of the College Magazine “MIZHI” in 2012-2013.
- Ms. Sophia James, Chief Editor of the Department Manuscript ‘Cynossure 2016’ published annually by the Department of English.

22. Student projects

a) **Percentage of students who have done in-house projects including interdepartmental/programme:** Nil

b) **Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies:** Nil

23. Awards / Recognitions received by faculty and students:

- **Dr. Sr. Jessy K.P.**, Assistant Professor, Department of Malayalam was awarded Ph.D. Degree for her thesis titled ‘Kraistava Samskaram Pathonpatham Noottandile Malaya Novelukalil’ in 2012.
- **Dr. Sr. Gisha Joseph**, Assistant Professor, Department of Hindi was awarded Ph.D. Degree for her thesis titled ‘Chitra Mudgal aur Mrudula Garg ke Upanyasom ka ek Visleshanathmak Adyayan : Naari Sashaktheekaran ke Vishesh Sandarbh’ in 2013
- **Ms. Sophia James**, Assistant Professor, Department of English was appointed as subject expert in the inspection commission constituted by Mahatma Gandhi University for starting new U.G. courses/additional batch in unaided self-financing arts and science Colleges for the year 2012-2013.
- **Ms. Sabitha N.**, Assistant Professor on Contract, Department of English was appointed as subject expert in the Interview Board in Economics for the selection of Higher Secondary Teachers in Mar Augustine Higher Secondary School, Thuravoor on 16th June 2015.
- **Ms Arya M.P.**, Assistant Professor on Contract, Department of English was awarded MPhil and presented the dissertation titled ‘Kazantzakis’ Report to Greco and O.V. Vijayan’s The Infinity of Grace: an ecospiritual Reading’ for the same on 29th January 2016.

Students:

- Ms. Dona John of II B.A. elected as the Chairperson of the college in the year 2016-2017.
- Ms. Donna John, II B.A. English won First Prize in the state level Essay Competition conducted by national Safety Council, Kerala Chapter.

24. List of eminent academicians and scientists / visitors to the department:

- Dr.Sonia James, Assistant Professor, Department of English, St. Peter’s College, Kolencherry.

- Prof. Leelamma John, Former Head, Department of English, Morning Star College, Angamaly.
- Dr. Beena Job, Assistant Professor, St. Teres's College, Ernakulam.

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National : Nil

b) International : Nil

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.A. English (Self Financing) 2015-16	NA	10		10	
2016-2017	NA	16		16	

*M = Male *F = Female

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.A. English (Self Financing)	100	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? : Nil

29. Student progression :

Student progression	Against % enrolled
UG to PG	NA
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

a) Library:

- General Library and Department Library
- Number of Books in the Department Library:400

b) Internet facilities for Staff & Students: One Computer and One Printer

c) Class rooms with ICT facility: OHP and laptop facility available

d) Laboratories: Software enabled Language Lab with eleven computers and a teacher console

31. Number of students receiving financial assistance from college, university, government or other agencies: NA

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts:

- A self financing **undergraduate programme in B A English** was started this year. The inauguration of the course was done by Dr. Beena Job, Associate Professor, Department of English, St. Teresa's College, Ernakulam on 17th August 2015.
- The inauguration of English Association was conducted on 15th February 2016. Prof. Leelama John former Head of the Department of English Morning Star College inaugurated the activities of the association.
- Career oriented **add on course** in communicative English under the Department of English is running successfully with the sixth batch under training.
- A lecture on 'De-canonizing English Literature' was delivered by Dr. Sonia James, Assistant Professor of English, St. Peter's College, Kolenchery on 2 April 2016 as part of Morning Star Lecture Series.

33. Teaching methods adopted to improve student learning:

- Tutorial
- Remedial Coaching
- Extension Lectures
- Seminars
- Assignments
- Internal exams
- Class tests

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

35. SWOC analysis of the department and Future plans:

Strengths

- The Department Library offers the students an avenue to enlighten their knowledge and taste the literature across the world.
- The Department Library provides them ample opportunity to explore various dimensions of literary theories.
- The communication skills of the students are enhanced through lectures, practice and the use of the Language Lab.

- Visual classes offered by the teachers at various instances with the help of advanced technology make the students interactive and attentive.
- Well experienced, academically competent and professional faculty.
- Department meetings are conducted at different occasions in order to discuss various matters regarding the curriculum and implementation of academic strategies.
- The staff and the students are allowed to participate in various intercollegiate activities like National Seminars, Literary Competitions etc.
- Finesse Circle, the club offered by the department, is a platform for the students of the college to polish their soft skills in public speaking, group discussion etc.

Weaknesses

- The time limit of the semester system holds back students from cross references and exploration of new literary trends. They are often tempted to follow the prescribed syllabi.
- English Language incompetency of the students from vernacular medium of instruction
- Insufficient student initiated programmes.

Opportunities

- To read, explore and enrich language and literature through the facilities offered by the college and department.
- To nourish competence in various academic and extracurricular activities.
- To interact with scholars and other academically intellectual community through lectures, seminars etc.
- To participate and interact in inter departmental activities.
- To develop personal skills like leadership quality, literary and language competency and other communicative skills.

Challenges

- The students who have come from vernacular medium find difficulty in being at par with those who had instruction in English at the school level.
- Hectic schedule within the time constraints of semester system is a challenge for the academic scenario.

Future Plans

- To establish mechanisms to provide better training in English language communication and soft skills.

- 1. NAME OF THE DEPARTMENT : COMMERCE**
- 2. Year of Establishment : 2014**
- 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**
- B Com Finance and Taxation
 - Certificate Course in 'Tally' (2015-2016 onwards)
- 4. Names of Interdisciplinary courses and the departments/units involved:**
- Open course in 'Fundamentals of Accounting' offered by the Department of Commerce in the Fifth Semester of B Com.
- 5. Annual/ semester/choice based credit system (programme wise):**
- Choice Based Credit & Semester System
- 6. Participation of the department in the courses offered by other departments:**
- Participated through Open Course
- 7. Courses in collaboration with other universities, industries, foreign institutions, etc.**
- Tally in collaboration with Tally Info Solutions Pvt. Ltd. Bangaluru in association with Manvish Info Solutions Pvt. Ltd. , Aluva
- 8. Details of courses/programmes discontinued (if any) with reasons: Nil**
- 9. Number of teaching posts:**

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	03	Nil
Asst. Professors on Contract	03	03

- 10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.):**

Name	Qualification	Designation	Specialization	Number of years of Experience
K S Jwalini	M Com, B Ed NET	Assistant Professor on Contract	Finance	7
Soumya Alias	M Com, B Ed	Assistant Professor on Contract	Finance	7
Dhanya C. X.	M Com, B Ed	Assistant Professor on Contract	Finance	9

11. List of senior visiting faculty:

- Dr. Sybila Puis, Former Head, Department of Commerce, St.Xavier's College, Aluva.

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : Nil

13. Student -Teacher Ratio (programme wise) : 78:3

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : Nil

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Ph.D	M.Phil.	P.G.
Nil	Nil	03

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

Name of the Faculty	Title of the Project	Amount Sanctioned	Funding Agency	Year Sanctioned	Current Status
-	-	-	-	-	-

18. Research Centre /facility recognized by the University : Nil

19. Publications:*** a) Publication per faculty:**

Name of Faculty	Number of Publications
K S Jwalini	01

*** Number of papers published in peer reviewed journals (national /international) by faculty** : Nil

List of Publications:**K S Jwalini**

- "Financial Sector Development Strategy for Achieving Inclusive Growth", Inclusive Growth & Development in the Indian Context, ISBN 978-81-7255-071-4, Vol.1, Page no.118, 2016

*** Number of publications listed in International Database (ForEg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)** : Nil

*** Monographs** : Nil

*** Chapter in Books** : Nil

*** Books Edited** : Nil

*** Books with ISBN/ISSN numbers with details of publishers:** Nil

*** Citation Index** : Nil

- * SNIP : Nil
 * SJR : Nil
 * Impact factor : Nil
 * h-index : Nil
 20. Areas of consultancy and income generated : Nil

21. Faculty as members in

- a) National committees : Nil
 b) International Committees : Nil

c) Editorial Boards:

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme : Nil
 b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : Nil

23. Awards / Recognitions received by faculty and students:

Students:

- On 20 October 2014 our students participated in intercollegiate fest "AEGLE YUVA 2014" which was organized by Albertian Institute of Management, Ernakulam. In this event students secured first position and won cash prize, certificate and trophy in Thematic dance, 3rd position in Business plan and won certificates.
- Our students also participated in another management fest which was organized by De Paul Institute of Science and Technology (DIST), Angamaly. There also they won second prize with cash award and certificates in thematic dance.
- Maymol Sebastian of I BCom won Individual Sports Champion in the year 2014-2015.

24. List of eminent academicians and scientists / visitors to the department:

- Dr.Sybila Pius, former HOD of dept. of commerce St. Xavier's college, Aluva
- Mr. Arun P.D, HDFC Securities Life, Thrissur Head

25. Seminars/ Conferences/Workshops organized & the source of funding

- a) National : Nil
 b) International : Nil

National Seminars:

International Seminar:

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Com.(2014-15)	NA (CAP)	40		40	

B.Com.(2015-16)	40	40
B.Com.(2016-17)	40	40

*M = Male *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B Com	99 %	-	1 %

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.

- Company Secretary (CS) - Deema Deenu T Bybon

29. Student progression

Student progression	Against % enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	-----
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

a) Library : General Library and Department Library

- Number of Books in the Department Library: 100

b) Internet facilities for Staff & Students: One Computer and One Printer

c) Class rooms with ICT facility: Projector

d) Laboratories: NA

31. Number of students receiving financial assistance from college, university, Government or other agencies: 2

32. Details on student enrichment programmes (special lectures / workshops /

Seminar) with external experts:

- A seminar on the topic 'Retail Marketing And Whole Sale marketing by Dr.Sybila Puis, Former Head, Department of Commerce, St.Xavier's College, Aluva was organized for the students of B Com on 27th July 2015.

33. Teaching methods adopted to improve student learning:

- Tutorial
- Remedial Coaching
- Peer Learning
- Extension Lectures
- Seminars as well as in house seminars
- Projects
- Assignments
- Internal exams
- Class tests

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Extension programmes to Jeremiah Home and Bertoni Palliative Care centre.

35. SWOC analysis of the department and Future plans:**Strengths:**

- Department has initiated to create data base of students.
- Absenteeism is negligible.
- Supporting slow learners through remedial, tutorial class and Counseling.
- Proactive career and placement cell and professional counselor for students support.
- Student feedback analyzed and used for improvement in all resources.
- Proficiency prizes and cash awards are helping the students to develop their inner skills more - effectively.
- Teaching departments equipped with computers, printers and internet.

Weakness:

- Limited scope to introduce various add on courses(Financial)

Opportunity:

- More scope to use modern technology aids in teaching learning programs.
- Communication and other skill development programs for students.
- To provide more training and counseling for students to become more employable.
- Growing demand for commerce graduates with tally.
- The extension programmes coaching on Tally are aiding them for self-employment.

Challenges:

- To provide job opportunities to the degree holders.
- To start research activities for the development of students.

- Equipping every classroom with ICT facility.

Future plans:

- To conduct more number of syllabuses oriented seminars from the students.
- To conduct life skill development programs regularly after the class hours.
- To give various projects works to develop skill and practical knowledge.
- To train the students to get good jobs and opportunities (career guidance).
- To visit companies/ factories to update practical knowledge to the students.
- To start commerce alumni association to provide support to make the students employable by updating skills as per the requirement of the industry.
- Stress on professional training and research programmes especially in the field of local culture and socio economic problems of the neighboring local communities.
- Creating awareness among the society on various social issues and organizing National level seminars.

- 1. NAME OF THE DEPARTMENT : PHYSICAL EDUCATION**
- 2. Year of Establishment : 1984**
- 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D etc.):**
- Open Course: Physical Health and Life Skills Education
- 4. Names of Interdisciplinary courses and the departments/units involved:**
- Open Course in 'Physical Health and Life Skills Education' offered for all Departments.
- 5. Annual/ semester/choice based credit system (programme wise):**
- Choice Based Credit and Semester System
- 6. Participation of the department in the courses offered by other departments : Nil**
- 7. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil**
- 8. Details of courses/ programmes discontinued (if any) with reasons : Nil**
- 9. Number of teaching posts:**

	Sanctioned	Filled
Associate Professors	01	01

- 10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.):**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Ms. Pauline Joseph K.	MPed., PG Diploma in Yoga	Associate Professor	Track and Field	33	-

- 11. List of senior visiting faculty:**

- Dr. Jose James, Former Physical Director MG University.
- Dr. Jose Joseph, Principal, Medical College, Kottayam.
- Dr. Binu George Varghese, Physical Director, MG University.
- Dr. Sindhu R S, St Thomas College, Kozhencherry.
- Dr. Biju Lona K., PMG College, Chalakkudy.
- Mr. Neeraj Baby, Indian Player (Paralympics) Shuttle Badminton.

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : Nil

13. Student -Teacher Ratio (programme wise) : 652:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Nil

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	Number of Faculty
MPEd, PG Diploma in Yoga	01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : Nil

18. Research Centre /facility recognized by the University : Nil

19. Publications:

a) Publication per faculty: 1

- Proceedings of the UGC sponsored two day State Level Seminar on “Health IQ-an Innovative Approach through Yoga and Nutrition” on 26-27 September 2010.

Number of papers published in peer reviewed journals (national /international) by faculty and students : Nil

Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : Nil

Monographs : Nil

Chapter in Books : Nil

Books Edited : Nil

Books with ISBN/ISSN numbers with details of publishers: Nil

Citation Index : Nil

SNIP : Nil

SJR : Nil

Impact factor : Nil

h-index : Nil

20. Areas of consultancy and income generated:

- Fitness Club: (Fitness Consultation and Exercise Prescription)
- Yoga Centre: (Short term Certificate course in Yoga). Yoga classes for women folk.

21. Faculty as members in

a) National committees : Nil

b) International Committees : Nil

c) Editorial Boards:

- Ms. Pauline Joseph K. as the Selection Committee member of MG University from 2010 to 2015.

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: NA

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

23. Awards / Recognitions received by faculty and students:

Students:

- Ms Jesty Pauly, II B.Sc FCS was selected as “Miss Yoga” MG University Winner of MG University NSS Wing in the year 2015-2016.
- Ms Sreelakshmi P Venu, III B.Sc Chemistry won the position of Miss Yoga MG University Runner Up awarded by MG University NSS Wing in the year 2015-2016.
- Yoga Team won MG University Yoga Championship in the year 2013-14.
- Yoga Team won 3rd place in the MG University Championship in 2014-15.
- Yoga Team won 3rd place in the MG University Championship in 2015-16.
- Students selected to the MG University Yoga team:-
 - 2013-14 (1) Ms Sujina E, (2) Ms Ninju Paul,(3) Ms Ann Baby
 - 2014-15 (1)Ms Manju P V, (2)Ms Jesty Poly
 - 2015-16 (1)Ms Sreelakshmi P Venu
- Ms.Pauline Joseph K. has undertaken duties of Chair Person of (Open Course) Theory examination of MG University

24. List of eminent academicians and scientists / visitors to the department:

Name	Designation	Context	Year
Dr. Jose James	Former Physical Director,M.G. University	Keynote address for the State Level Seminar	2010-11
Dr Jose Joseph	Principal,Medical College, Kottayam	Inauguration of State Level Seminar	2010-11
Mr.Neeraj Baby	Indian Player (Paralympics) Shuttle Badminton	Inauguration of Annual Sports Meet	2010-11
Dr Sindhu R.S.	St.ThomasCollege, Kozhencherry	Resource Person for the Seminar	2010-11
DrBinu George Varghese	Physical Director, M.G. University	Inauguration of MG University Yoga Chapianship	2013-14
Dr Biju Lona K P	M.G.College, Chalakudy	Chief Judge MG University YOGA championship	2013-14

25. Seminars/ Conferences/Workshops organized & the source of funding**a) National**

	Programme	Source of Funding
State Level	Seminar	UGC
Work shop on Yoga	One day	Department

b) International : Nil

26. Student profile programme/coursewise : Nil

27. Diversity of Students : NA

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.: NA

29. Student progression: NA

30. Details of Infrastructural facilities**a) Library****b) Internet facilities for Staff & Students****c) Class rooms with ICT facility**

d) Laboratories: Judo mats, Yoga mats, T T board, Chess board,
Gymnasium: Fully loaded Fitness club and Yoga Centre.

31. Number of students receiving financial assistance from college, university, government or other agencies : NA

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

- The students of the college, observed Yoga Day organized by the physical Education Department on 21st June 2015 under the guidance of Yogacharya Lovligen.

33. Teaching methods adopted to improve student learning:

- Counselling, Stress Management Programme: Meditation and Relaxation Technique, Yoga Demonstration.
- Power Point Presentation.
- Seminars.
- Assignments.
- External contact programmes on Yoga by students' demonstration classes ,organization of students and frequent class tests for open course (Physical health and Life skills education)

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Fitness Club: Opportunity for the local women folk to use all the equipments.
- Yoga centre: Opportunity for the local women folk to avail the facilities.

- In addition to the yoga classes, department conducts certificate course on Yoga for students and public.
- To find out the idle weight, weighing machine and height measuring scale have been installed in the Gymnasium.
- Summer camp for Yoga is conducted jointly with St Jude counseling centre.
- Extension programme: Yoga classes are conducted by our students for the inmates in Orphanages and for the school students. The Department head is a resource person in this regard.
- In order to create social awareness in Yoga, she is taking classes for the common people at Local Panchayath, for Resident associations, for Kudumbasree unit and in Summer Camps.

35. SWOC analysis of the department and Future plans:

Strength:

- Yoga Centre: Excellent facilities for practicing Yoga ,meditation and relaxation.
- Fitness Club: Facilities for practicing aerobics and all equipments required for fitness developments.
- Sports dressing room toilet facilities are available
- Department conducts certificate course in Yoga for students and public.

Weakness:

- Lack of play area for track and field events and other games.
- Since we are not getting enough applications to be considered under sports quota, talented students in sports not admitted at UG levels.
- No caretaker is appointed for maintaining fitness centre.

Challenges:

- Lack of play area
- Scarcity of sports talents for admission to the College
- Semester System.
- Low student strength

Future Plan

- a) Construction of Indoor stadium.
- b) Add on Course on Yoga and Health management.
- c) Widen the extension activities and consultancy.

POST ACCREDITATION INITIATIVES

The NAAC Peer Team visited the college for the second cycle of accreditation on 4 - 5 December 2009 and examined the academic as well as the various institutional aspects to lay down their recommendations and suggestions for the further quality enhancement of the college. The following are the measures taken as per the recommendations of the peer team during the post accreditation period.

- **The name of the college may be changed as the present name has no relevance to the mission and vision of the courses offered.**

Morning Star Home Science College is the realization of the farsighted vision of our founders. This is the first college in Kerala to offer a course in Home Science. The college is well known in the neighbourhood and the academic community as Home Science College. The vision and the mission of the college were revised in the last few years to suit the present scenario and it was completely done taking into account the founding mission of our college.

- **While improvements in the library have been made, effort needs to be strengthened using an efficient automation system, subscribing to more journals and e-journals, enriching reference section etc.**

During the post accreditation period, the College Library has undergone tremendous changes both at the infrastructural level and the functioning level. More services and facilities have been added to the Library. The Library is fully automated using Advanced Library Management Information System. Morning Star Library was elevated to the status of Digital Library in 2015-16, adding more e-learning services and resources. The Digital Library makes use of Techfocuz Digital Library software. NLIST Consortium of INFLIBNET is also made available. OPAC, a separate node to browse library catalogue is also provided. Morning Star Mobile Library was started in 2016, with a view to spread the spirit of reading among the public. New reference categories like Book Bank, Book Buffet and Career Books were introduced. Dr.A.P.J. Abdul Kalam Garden Library started functioning in 2016 adding more learning space in the campus. These are the additional facilities added in the College Library during the post accreditation period.

- **Inclusive education process may be strengthened by admitting more differently abled students and publicizing the available facilities in the prospectus, pamphlets, website etc.**

The admission to the College is carried out through the Centralized Allotment Process (CAP) of the University. The students who are allotted to the college are invariably admitted irrespective of their caste, creed or

disabilities. During the post accreditation period, no student with physical disabilities sought admission to the college whereas a few with learning disabilities were admitted and they completed the course with flying colours. These students were given utmost care by the faculty and students to carry out their learning successfully.

- **The website needs to add more details about certificate, add on, diploma courses with duration, credits and fee structure to allure students from other states also.**

The college website has undergone timely revision and redesigning in the period under consideration. Now the website presents a well designed profile of the college with sufficient details on course structure, credits and fees. The certificate, add on as well as the diploma courses provided in the campus are published under a separate head. Periodical updates are also done in this regard.

- **Network Resource Centre can be established in the college with the help of UGC as a strong part of ICT made for students and staff.**

The college has an efficient Computer Lab which serves the ICT requirements of the students. The Audio-Visual Room (Angelica Theatre) is utilized by the students and faculty for power point presentations. All the departments are provided with computers and LCD projectors. The departments of English, Home Science, Chemistry and Zoology possess laptops. The campus is Wi-Fi enabled and Smart Boards are provided in the Seminar Hall and Audio-Visual Room.

- **Further use of expertise available in the college for income generation through consultancy.**

During the post accreditation period, the Department of Home Science started a Dietary Counselling Centre which is open to the public. Soil testing facility provided by the Department of Chemistry and the Vermi Compost production by the Department of Zoology are the other existing consultancy services functioning in the College. The staff of the Department of English is consulted by the public as well as the students of the college for help in translation and English Language correction.

- **Language laboratory may be established to improve communication skills in English and other languages.**

Language Lab with ten student consoles and a teacher console was set up in 2010 as per the recommendations of the NAAC peer team. The language lab serves as an important centre for English language training under the

guidance of a trained faculty member. Interactive language learning software is installed for this purpose.

- **A placement cell with trained placement officer may add the relevance of counselling centre and career guidance cell.**

A Career Guidance Cell under the guidance of a faculty is functioning in the college. Sessions on career orientation are carried out by this cell. Career aptitude tests are also conducted for the students.

- **Office procedures need to be computerized to improve the efficiency and conserve financial resource payments of salaries need to be by cheques.**

The entire office procedures are computerized. The office staff is trained in the use of computer based office works. The personal administration, payroll and other details of the staff members are incorporated into SPARK (Service and Payroll Administrative Repository for Kerala), which makes the office proceedings more centralized. The salary of staff members are credited to their accounts.

- **Research initiatives may further strengthened and more teachers may be encouraged to seek research grants. Training for scientific writing may be started.**

During the post accreditation period there has been a considerable increase in the number of teachers involved in research. 17 percent of the total faculty is involved in active research. Seven faculty members were awarded Ph.D., and one of the faculty members was awarded M.Phil. Currently, four faculty members are doing Ph.D. Two faculty members serve as Ph.D. and M.Phil. guides respectively. Three faculty members have completed UGC Minor Research Projects and four are doing the same.

During the last five years, experts from various fields of research have visited and shared their expertise with the students as well as the faculty members. Teachers from this institution are also invited as resource persons and subject experts in various international, national, regional, state level as well as institutional level conferences and seminars. The research committee functioning in the college has recommended the department of Home Science to be upgraded to the status of a research centre and accordingly, the department has applied for the same.

- **Canteen may be furnished well.**

The college canteen, which was functioning in an annexe of the hostel, was shifted to a newly constructed building in 2016. The students and the staff enjoy relaxation and refreshment in this well ventilated and cosily located

canteen. The store which forms part of the canteen provides essential stationery and books.

- **Group insurance scheme for students may be introduced.**

Group Insurance Scheme for the college students is not generally practiced in Kerala. Therefore, such a scheme is unavailable in our college also. At the same time, we encourage our students to join national level savings as well as insurance schemes offered by the government and the special schemes of the Prime Minister.

तार: यूनीग्रान्ट्स
GRAMS: UNIGRANTS

विश्वविद्यालय अनुदान आयोग
UNIVERSITY GRANTS COMMISSION

All communications should be addressed to the
Secretary by designation and not by name

बहादुरशाह ज़फर मार्ग
BAHADUR SHAH ZAFAR MARG

नई दिल्ली १, तिथि _____
NEW DELHI-1, Dated _____ July '72

संख्या _____
No F.1-120/70(CI)

The Principal
Home Science College
ANGAMALY (Kerala)

14 JUL 1972

SUB: CONSTRUCTION OF A WOMEN'S HOSTEL - ASSISTANCE TOWARDS
--:-

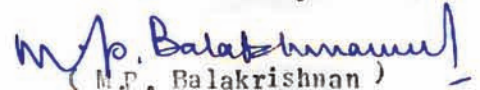
Madam:

I am directed to refer to your letter No. UGC 3-38/72 dated 24.6.72 on the above subject and to say that the sanction accorded by the Commission was in favour of 'Home Science College Angamaly' as included in the list prepared under section 2(f) of the U.G.C. Act. It is seen that college is corresponding under the name of 'Morning Star Home Science College, Angamaly'. It is, therefore, requested that the college may correspond and send documents in the name of 'Home Science College Angamaly' or college may approach the Commission through the university for change of the name of the college.

I am further to request you to send revised certificate regarding refund undertaking duly signed by the Principal and the Secretary or President of the Governing Body. The certificate as sent by the college is signed by the Principal and the Manager of the Governing Body.

The plans sent by the college are for teacher's hostel. These are therefore returned and it is requested that the plans in duplicate for Women's Hostel which was approved vide Commission's letter of even number dated 3.6.72. The college is also requested to confirm the acceptance of the conditions attached to U.G.C. letter of 3rd June, 1972.

Yours faithfully


(M.P. Balakrishnan)
for Secretary



MAHATMA GANDHI UNIVERSITY
Kottayam, Kerala - 686 560

CERTIFICATE

Certified that *Morning Star Home science College*
Mahatma Gandhi University, Kerala is included under Section 2(f) and
12(B) of UGC Act 1956. The College is included in the list of colleges
under Section 2(f) of the UGC Act as on June 30, 1996 published by the
UGC on Page *185* as item No. *(11)* under the category
A. Colleges Teaching 2-yr. Bachelors Degree.

P.D. Hills

Dated: *13/2/03*



[Signature]
DIRECTOR

College Development Council

[Handwritten mark]

Diary No. 516



विश्वविद्यालय अनुदान आयोग

नैरुत्य प्रादेशिक कार्यालय

UNIVERSITY GRANTS COMMISSION

SOUTH WESTERN REGIONAL OFFICE

P.K. Block, Palace Road, Gandhinagar

Bangalore-560 009.

Phone : (080) 2228 0380 Fax : (080) 2228 0381

30-Jul-15

ADDL-527/10-11/KLMG040/UGC-SWRO

The Accounts Officer
South Western Regional Office
University Grants Commission
P.K. Block, Palace Road
Gandhinagar, Bangalore

ज्ञान - विज्ञान विमुक्तये

Sub: Release of Grants-in-aid to MORNING STAR HOME SCIENCE COLLEGE, ANGAMALY SOUTH, ALUVA, ERNAKULAM DISTRICT for the year 2015-2016 under Additional Assistance to Covered Colleges (Plan)

Sir/Madam,

I am directed to convey the sanction of the University Grants Commission for payment of grant of Rs.449324/- for the year 2015-2016 to MORNING STAR HOME SCIENCE COLLEGE, ANGAMALY SOUTH, ALUVA, ERNAKULAM DISTRICT as final installment under Additional Assistance to Covered Colleges (Plan), expenditure to be incurred during 2015-2016.

NAME OF THE SCHEME	AMOUNT ALLOCATED	GRANT ALREADY SANCTIONED	GRANT BEING REIMBURSED	TOTAL GRANT PAID	BALANCE ADMISSIBLE
ADDITIONAL ASSISTANCE TO COVERED COLLEGES	Phase-I	2500000	449324	4949324	NIL
	Phase-2	2500000			
	Total	5000000			

You are requested to utilise the sanctioned amount proportionately as detailed below :-

HEAD OF ACCOUNT	3(A)2202.03.102.10.01.35	3(B)2202.03.789.03.01.35	3(C)2202.03.796.03.01.35
	GENERAL - 341486.24	SC - 71891.84	ST - 35945.92

- The sanctioned amount is debit to '3(A)2202.03.102.10.01.35, 3(B)2202.03.789.03.01.35, 3(C)2202.03.796.03.01.35 and is valid for payment during the financial year 2015-2016 only.
- The amount of the Grant shall be drawn by the Accounts Officer/Drawing and Disbursing Officer, South Western Regional Office, UGC, Bangalore on the Grants-in-aid bill and shall be disbursed to and credited to the Principal of the College through Electronic mode as per the following details:
 - Details (Name & Address) of Account Holder: MORNING STAR HOME SCIENCE COLLEGE, ANGAMALY SOUTH, ALUVA, ERNAKULAM DISTRICT
 - Account No: 2774101004266
 - Name & address of Bank branch: CANARA BANK, ANGAMALAY PREMIER PRINTERS BLOCK, ANGAMALAY
 - MICR Code: 683015002
 - IFSC Code: CNRB0002774
 - Type of Account: SB
- The grant is subject to the adjustment on the basis of utilisation certificate in the prescribed proforma submitted by the College.
- The college shall maintain proper accounts of the expenditure out of the grants which shall be utilised only on approved items of expenditure.
- The College may follow the General Financial Rules, 2005 and take urgent necessary action to amend their manuals of financial procedures to bring them in conformity with GFRs, 2005 and those don't have their own approved manuals on financial procedures may adopt the provisions of GFRs, 2005 and instructions/guideline there under from time to time.
- The Utilization Certificate to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to UGC as early as possible after the close of current financial year.
- The assets acquired wholly or substantially out of University Grants Commission's Grant shall not be disposed or encumbered or utilised for the purposes other than those for which the grant was given without proper sanction of the UGC and should at any time the College ceased to function, such assets shall revert to the University Grants Commission.

8. A Register of Assets acquired wholly or substantially out of the grants shall be maintained by the College in the prescribed proforma.
9. The grantee institution shall ensure the Utilization of grants-in-aid for which it is being sanctioned/paid. In case of non-utilization/part utilization thereof, the simple interest @ 10% per annum as amended from time to time on unutilised amount from the date of drawal to the date of refund as per provisions contained in General Financial Rules of Govt. of India will be charged. The refund of unspent grants in aid and/or interest, if any, be credited in following UGC account through e-mode(RTGS/NEFT) under intimation to this office.
Name of the Bank : Canara Bank, Cunningham Road, Bangalore / Account No. :0431101033961
Type of Account : Savings Bank / IFSC Code: CNRB0000431 / MICR Code 560015014
Holder of Account : University Grants Commission, Bangalore
10. The College shall follow strictly the Government of India/UGC's guidelines regarding implementation of the reservation of policy [both vertical (for SC, ST and OBC) and horizontal (for person with disability etc.)) in teaching and non-teaching posts.
11. The College shall fully implement the Official Language Policy of Union Govt. and comply with the Official Language Act, 1963, and Official Languages (Use for Official Purposes of the Union) Rules, 1978 etc.
12. The sanction is issued in exercise of the delegation of powers vide UGC office order No.69/2014[F.No.10-11/2012(Admn. IA B)] dated 26/3/2014.
13. The College shall take immediate action for its accreditation by National Assessment and Accreditation Council (NAAC).
14. The accounts of the College will be open for audit by the Comptroller and Auditor General of India in accordance with the provisions of General Financial Rules, 2005.
15. The annual accounts i.e. balance sheet, income and expenditure statement and statement of receipts and payments are to be prepared strictly in accordance with the Uniform Format of Accounting prescribed by the Government.
16. The funds to the extent are available under the Scheme.
17. This issues with the approval of, UGC vide diary no.....datedAs revalidated by Chairman, UGC for the financial year 2015-16 vide diary no.....dated
This issues with the concurrence of IFD vide Diary No. and dated .
18. An amount of Rs. 45,00,000/- out of the grant of Rs. 45,00,000/- sanctioned vide letter No.ADDL-527/10-11/KLMG040/UGC-SWRO dated 27-12-10, 13-0-11, 19-12-12, 15-1-14, 18-3-14 has been utilized by the College for the purpose for which it was sanctioned and noted in Grants-in-aid Register at Page No. _____
19. The grant is sanctioned on the basis of the information/documents provided by the college. In case of any discrepancy in the above information and the college is found ineligible for the above grant at the time of expert committee meeting the college is liable to refund the sanctioned grant along with interest.
20. The college shall ensure involvement of Technical advice on and supervision of specifications and construction standards.
21. College should abide by the UGC Regulation on curbing the menace of ragging in the Higher Educational Institution 2009, and shall take action in accordance with these regulations against those found guilty of ragging and/or abetting ragging actively or passively or being part of an conspiracy to promote ragging.

Yours faithfully

(Dr.N. Gopukumar)
Deputy Secretary

Copy to

✓ 1. The Principal

MORNING STAR HOME SCIENCE COLLEGE
ANGAMALY SOUTH
ALUVA, ERNAKULAM DISTRICT - 683 573

(He/She is requested to abide by these instructions/guidelines of sanction order.)

2. Officer of Director General of Audit, Central Revenues, AGCR Building, I.P. Estate, New Delhi

3 The Director

Department of Collegiate Education
Vikas Bhawan, Thiruvananthapuram - 33

4. The Dean/Director, College Development Council

MAHATMA GANDHI UNIVERSITY
PRIYADARSHINI HILLS (PO)
KOTTAYAM - 686 560

5. Office copy

(Dr. S. Salil)
Education Officer



भारत सरकार

राष्ट्रीय अल्पसंख्यक शैक्षणिक संस्था आयोग

GOVERNMENT OF INDIA
NATIONAL COMMISSION FOR MINORITY EDUCATIONAL INSTITUTIONS

F. NO. 1363 OF 2008 - 38730.

प्रथम तल, जीवन तारा भवन, ५, संसद मार्ग
पटेल चौक, नई दिल्ली - ११०००१
1st Floor, Jeevan Tara Building, 5, Sansad Marg
Patel Chowk, New Delhi - 110001

Dated.....

ON CONSIDERATION OF THE DOCUMENTARY EVIDENCE PRODUCED BEFORE THE COMMISSION, THE COMMISSION IS SATISFIED THAT MORNING STAR HOME SCIENCE COLLEGE, ANGAMALY SOUTH P.O., DIST. ERNAKULAM, KERALA, MANAGED BY THE CONGREGATION OF SISTERS OF NAZARETH, IS A MINORITY EDUCATIONAL INSTITUTION WITHIN THE MEANING OF SECTION 2 (g) OF THE NATIONAL COMMISSION FOR MINORITY EDUCATIONAL INSTITUTIONS ACT 2004. CONSEQUENTLY, IT IS HEREBY DECLARED THAT THE AFORESAID COLLEGE IS A MINORITY EDUCATIONAL INSTITUTION COVERED UNDER ARTICLE 30 OF THE CONSTITUTION OF INDIA.

GIVEN UNDER MY HAND AND THE SEAL OF THE COMMISSION ON THIS 4TH DAY OF NOVEMBER 2009.



R. Renganath
(R. RENGANATH)
SECRETARY

राष्ट्रीय अल्पसंख्यक शैक्षणिक संस्था आयोग
NATIONAL COMMISSION FOR
MINORITY EDUCATIONAL INSTITUTIONS
प्राथमिक तल, जीवन तारा भवन
Govt. of India, New Delhi

(1872)



Mahatma Gandhi University

PRIYADARSINI HILLS P.O., KOTTAYAM - 686 560

(Established by Kerala State Legislature by Notification
No. 3431/Leg. CI/85/Law, dated 17th April 1985)

Ac A1/1/295/2016(Part)

02.11.2016

TO WHOM IT MAY CONCERN

This is to certify that Morning Star Home Science College, Angamaly South P.O., Ernakulam Dist., Kerala, Pin – 683 573, offering the following programmes is an aided Arts and Science College affiliated to Mahatma Gandhi University, Kottayam, Kerala.

Sl. No.	Name of the Course(s) and duration	Affiliation	Period of validity
		Permanent/Temporary	
1	B.Com. Finance & Taxation Mod.I (3 Years)	Permanent	
2	B.Sc. Chemistry (3 Years)	Permanent	
3	B.Sc. Zoology (3 Years)	Permanent	
4	B.Sc. Physics (3 Years)	Permanent	
5	B.Sc. Family & Community Science (3 Years)	Permanent	
6	BA English Language & Literature (Model I) (3 Years)	Temporary	2015-16
7	BA Economics (3 Years)	Permanent	
8	M.Sc Family & Community Science (2 Years)	Permanent	
9	M.Sc Zoology (2 Years)	Temporary	2015-16
10	M.Sc Physics (2 Years)	Temporary	2015-16
11	M.Sc. Chemistry (2 Years)	Temporary	2015-16



BAPG
Joint Registrar in-charge of
REGISTRAR



National Assessment and Accreditation Council

An Autonomous Institution of the University Grants Commission
Bangalore

CERTIFICATE OF ACCREDITATION

The Executive Committee of the

National Assessment and Accreditation Council

on the recommendation of the duly appointed

Peer Team, is pleased to declare the

Morning Star Home Science College

Angamaly, affiliated to Mahatma Gandhi University, Kerala, as

Accredited¹

at the Three star level².

(among the Affiliated/ Constituent Colleges)



Date: November 05, 2001

Pravinai

Director

1. This certification is valid for a period of 5 years with effect from the assessment academic year 2001 - 2002.
2. An institutional score (%) in the range of 55-60 denotes one star, 60-65 two stars, 65-70 three stars, 70-75 four stars, and 75 and above five stars (upper limit exclusive).

Draft Report of the Peer Team
on
Morning Star Home Science College
Angamaly, Kerala
15th & 16th August 2001

National Assessment and Accreditation Council

Draft Report of the Peer Team on Morning Star Home Science College, Angamaly, Kerala

The Morning Star Home Science College, Angamaly was established in 1968 by the Congregation of Sisters of Nazareth, Paduapuram, with the motto "Learn to serve and serve with love". In specific, it aims at "betterment of the family by training young women and moulding them to better homemakers and efficient members of society, who uphold the basic values of life". Towards this goal, the institution has been making sustained efforts in a relatively backward region of Kerala State.

The College, located in a semi-urban area is affiliated to Mahathma Gandhi University. The College was recognised by UGC under 2f and 12(B) in 1972. The institution, which started off with a humble beginning with seven students and seven faculty members in B.Sc. Home Science programme in 1968, added on its next B.Sc programme in Zoology after 25 years in 1993 and B.A. Economics in 1995. Quite recently, two vocational degree programmes one in Polymer Chemistry and another in Physics (Electronic Equipment Maintenance) have been started. In all these five undergraduate programmes, there are at present 366 students and 29 permanent faculty members, working out a favourable student teacher ratio of around 12:1. The State Government has just sanctioned starting of a Post-Graduate programme, M.Sc in Family and Community Science and the College is awaiting the affiliation orders of the University for starting the same.

The College volunteered itself for assessing and accrediting its performance and submitted its Self-Study Report to the NAAC. The Peer Team consisting of Dr. Mrs. Lakshmi Santa Rajagopal, former Vice-Chancellor of Avinashilingam Home Science Institute (Deemed University), Coimbatore (Chairperson) and Dr.C. Thangamuthu, Prof. of Economics, Bharathidasan University, Tiruchirappalli (Member) visited the College on 15-16, Aug, 2001. The team, in the process of validating the Self- Study Report, visited all the units of the College, interacted with the Management, Principal, Faculty, Staff, Students, Parents and Alumni, and also perused all the relevant records and data. The Peer Team was helped by Dr. Latha Pillai, Adviser, NAAC.

The criterion wise Report is presented below.

I. Curricular Aspects:

Being an institution with special thrust on Home Science education, there is a limited range of programme options. Besides the programmes in Home Science, Zoology and Economics, it is commendable that the College has recently started two vocational degree programmes: Polymer Chemistry and Physics (Electronic Equipment Maintenance). Both these programmes are managed by the teachers released from Pre-Degree. Some of the faculty members have participated in the workshops organised by the University and have contributed to syllabi making. Some of them are members in Boards of Studies also.

The programmes have given special emphasis on training the students for self-employment avenues such as vermiculture, aquaculture, garment making, catering services, interior decorations and child care services. Thus the programmes are largely woman career oriented, even while remaining at home as housewife.

The feedback about the programmes from the students and the employers is informally ascertained. The feedback about the usefulness of the programme can be better assessed by evolving a mechanism of interacting with the alumni and the user-agencies.

The Curricula are supplemented with related extension components such as field visit and practical experience through establishing linkages with industries. But there are no formal enrichment courses added on to the regular curricula, which the institution may take steps to initiate.

The College deserves commendation for starting Certificate and Diploma Programmes in Computer Science (through its network with a private computer company) The Department of Physical Education is offering a Certificate programme in Yoga and the Department of English has started a certificate programme in Spoken English.

Similarly an additional certificate programme in Fine Arts is offered to the students and outsiders through the Nazareth Home Science Institute located in the campus and run by the same management. Every student is expected to take any one of these three programmes (Computer Science, Fine Arts, Spoken English) as extra programme before she completes her regular Degree programme. This is quite an impressive feature.

II Teaching – Learning and Evaluation:

With a favourable student teacher ratio, the college is able to do intensive teaching, which is reflected in the pass percentages achieved in the University examinations. In many years, the results ranged above 90 per cent pass with a good number of the students passing in first classes.

The number of actual teaching days is fairly higher than the prescribed minimum. The college has worked about 20 days more than the required minimum of 180 days, during the academic year 2000-2001.

While Vocational programmes follow Semester pattern, the other Degree programmes under the Structured Syllabi follow annual pattern but with CIA component of 20 percent in each course. The Science subjects have project works.

The class tests, term examinations, revision examination are all rigorously conducted to enable the students face the University examinations with confidence. The parents are kept informed of the academic progress of the students from time to time.

There is no system of screening the students' aptitude and potential before admitting them to a particular programme. The weaker students are identified and remedial coaching is arranged. Value education classes are conducted regularly, one session per week.

Electronic media like TV, VCR, OHP and slide projector are used during special occasions. The frequency of their use may be encouraged and facilitated.

The classroom teaching is supplemented with field visit and practical exposure to the related industries/institutions. For this purpose, the Home science Department for instance, has established linkages with agencies such as Sahrudaya silk reeling centre, MILMA plant, Modern Bread Factory and CIFT, Cochin; the Zoology Department with CMFRI, Tuticorin, Kerala Agricultural University, the vermiculture station at Sevaashram; and the Chemistry Department with Apollo Tyres, Premier Tyres etc.

About One third of the teachers are having M.Phil/Ph.D qualifications. The management is encouraging the teachers to pursue for higher qualifications.

The recruitment of faculty is made in accordance with the rules of the Government and the University. The teachers' participation in Seminars/ Refresher courses may have to be encouraged further. The performance of teachers is assessed through self-appraisal as formatted by the UGC/ University but there is a need for some follow-up on the basis of these self-appraisal returns filed by the teachers. At present, this seems to be a routine affair with little consequence.

The students' assessment of faculty performance has been recently introduced in a formal way. This needs to be pursued and followed up quite systematically.

III Research, Consultancy and Extension:

The Departments, being at the undergraduate level, the research output is minimal. The publications in scientific journals may be encouraged. It is gratifying to note that one of the teachers is a referee to a scientific journal. Sponsored research projects are yet to be undertaken.

There are only informal Consultancy services provided by some of the faculty members. The Home Science faculty have provided expert suggestions on dietary pattern in industrial staff canteens and in the college hostel. . One of the teachers in Home Science Department offers consultancy to a private herbal industry and has earned a small sum of consultancy charge. The faculty in Zoology provides consultancy-cum-extension services to the students and their mothers on vermiculture.

The extension activities are carried out through NSS and various other clubs such as Nature club, Women's cell, SCAWEP and others. The extension services include community development, social work, health and hygiene awareness, medical camp, adult education and literacy, blood donation, Aids awareness and environmental awareness. The GOs such as Housing Development Society, Angamaly, Aiswarya Gramam, Kanjoor, ICDS Vocational Education Department, and the local panchayat and Block Development Offices are collaborated with for carrying out some of the extension activities. The college has fairly an impressive record of involving the students and faculty in various extension services to the community around. The NSS unit of the college was adjudged as one of the best five units at the University level.

Interestingly, under a programme called 'Grihadarsan' , the Home Science department organises interactive sessions for the benefit of Non-Home Science students. This is done at the inter collegiate level. Under another equally interesting programme known as 'Chetana', mothers of the students are invited to the college and useful tips on diet planning and household management are provided.

IV Infrastructure and Learning Resources:

The college has quite adequate and well-maintained infrastructure for the existing programmes. Consequent to the delinking of Pre Degree classes, the physical infrastructure is comfortable. The campus area being just five acres, future expansion may have to be thought of vertically, leaving room for sports and play fields and other facilities.

The upkeep and maintenance of the campus deserve appreciation. There is an aesthetically designed garden in the frontage. The practice of collecting the garbage from the hostel kitchen and then converting the same into vermicompost is commendable.

The college closes by 3.30 p.m. and in the afternoons and the holidays the buildings are utilized for various public purposes including conduct of examinations/meetings by other agencies and Universities. Particularly, the spacious auditorium of more than 1000 capacity is thrown open for use by the NGOs and others. Hostel which can accommodate about 150 students is not fully occupied. Only about 30 students are staying in the hostel. Workingwomen and outside students are also allowed to stay in the hostel. These are all welcome measures from the point of view of optimal use of the campus and also resource generation for developmental activities.

The library needs to be strengthened especially by enriching the budget for books and journals. Besides increasing the reading room space, the reference time may be extended. The library automation may be put to maximum utility by installing adequate numbers of user terminals and the students be enabled to use the terminals.

The college has in collaboration with a private computer company established a computer centre for offering diploma/certificate programmes. But the management may do well in providing computer/internet/e-mail facilities to all the Departments so that the facility would be available to the students to update their scholarship. At present, the Internet and e-mail facility is available in the college library.

The sports facilities need to be strengthened. A wider student participation in physical education activities may be encouraged.

A temporary shed is provided for a cafeteria. Canteen facilities need to be provided in a better way. The hostel mess provides lunch for those who give prior orders.

On the whole, the infrastructure is adequate, well maintained and put to optimal use.

V Student Support and Progression:

The student support services include, among others, a special scheme to support poor students of the college in the form of dress, books, records, noon-meal and medical help – known as “save a star” programme, the voluntary contributions from the better-off students are used for the above activities. The faculty members also contribute towards this scheme. Besides various government-funded scholarships and fee concessions, many charitable trusts have created endowments for supporting poor students. AIACHE also provides scholarships. Free hostel accommodation either temporarily or for the whole programme is given to the needy poor students.

The student counselling is organised by assigning about 30 students to every teacher who takes care of all their problems. This system has been in vogue for several years. A professional counselling service has been provided recently through a tie-up with a local psychiatric hospital. There are first aid facility and health check-up for the students. Since the students are small in number, there is no health centre as such.

The placement services are provided by a placement cell managed by a faculty. A grievance redressal cell is functioning in the campus. Extension activities are co-ordinated by the respective faculty members in-charge of various clubs.

The Alumni association has been recently formed and they get together on ceremonial occasions. Better organisational structure and strengthening of alumni involvement in the campus development may be welcome.

The student progression to employment is not encouraging, as the College offers only undergraduate programmes. The progression to PG programmes is reported to be high (around 50 per cent). The College takes legitimate pride in reporting that their Home Science graduates have turned out to be quite successful housewives. An empirical evaluation of this claim may throw some interesting insights.

The student drop out ratio is quite low and the passing percentages are found to be consistently impressive.

VI Organisation and Management

The congregation of Sisters of Nazareth, Paduapuram have their own organisational structure and the Mother acts as the Manager of the campus. The same management runs another Home Science Institute in the campus, which offers diploma/certificate courses.

There is also a kindergarten School on the campus, which is used as observational group by the Home Science Department. Though this is, the only Home Science College in

the State of Kerala, run by the Sisters of Nazareth, the latter is managing a few schools, orphanages, old age homes, hospitals, Nursing Institutes and so on.

The management provides partial, fiscal support for the campus development and upkeep, besides footing the salary bill of a few temporary teachers. The PTA acts as the main channel of contributions for various schemes of development. The collaboration/linkages with various industries in the State and outside State have gone a long way in strengthening the teaching and extension programmes of the College.

The management may think of building up a corpus for the development of the College from a long-term perspective. The strengthening of library facility and computer/internet facilities in the departments may be taken up as priority agenda.

There is a good cohesive and harmonious atmosphere in the campus. Decisions are arrived at in consultation with the staff council.

Other than the Government approved loan/welfare schemes, there is no significant welfare measures offered to the staff. The administrative staff could be provided with computer training and the secretarial work could be computerized to the maximum.

VII. Healthy practices

Among the healthy practices observed in the college, the following merit special mention:

- Special support extended to the poor students of the college, particularly with the contributions made by the campus students themselves, thereby creating a strong sense of compassion and empathy among the fellow students.
- Involvement of students/faculty in maintaining the campus clean and is a striking feature.
- Society for Conservation of Animal World and Environmental Protection (SCAWEP) being quite active in various extension activities particularly organizing environmental awareness and protection programmes for the students and public.
- Linkage with a few industries for interaction in teaching, and extension programmes of the college.
- Involving external agencies for organizing competitions in co-curricular and extra-mural fields in the campus
- Actual teaching days (exclusive of other working days) exceeding the required number of minimum of 180 days.

- A strong base of extension and community services (the NSS of the college adjudged as one of the best five at the University level.)
- Arranging periodical training for School teachers (in collaboration with State Institute of Education, Trivandrum) in technique of food processing, preservation, cooking and catering.
- The student representatives given due consideration in decision making (even in the committee in charge of preparing the self-study report submitted to NAAC, a student representative finds her place.)
- ‘Grihadarsan’ programme through which the teachers and students try to popularize the utility / relevance of the programmes offered by the college.
- ‘Chethana’ programme wherein mothers of the students are familiarized in techniques of diet planning and housekeeping aspects.

Recommendations

The college with just about 300 students and 30 faculty and five UG programmes may have the advantage of specialized and individual attention, efficient management and also conducive for achieving the best results. But as an institution, it may not enjoy the economics of Scale and merits of interdisciplinary interactions, which may be available to a larger institution with many programmes including the Post-graduate ones. In the light of this it is high time that this college with more than 33-year standing diversifies its programmes and grow vertically at the same time without losing the institutional identity and orientation. Under the broad area of Home Science, several specialized disciplines such as Nutrition and Dietetics, Food Processing, catering, Human Development and Family Management and Household Economics and Management could be considered for future. This would bring about better academic linkages and complementarity in the use of infrastructure and manpower.

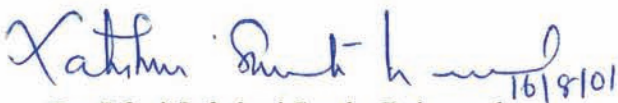
In the emerging Scenario of market-driven consumerism and cultural integration consequent to the phenomenal globalization, the institution can positively look for a bright and increasing academic horizon. The programmes of studies with a bearing on Service Sector including food processing and household management are likely to have their ^e day in the coming years. Hence the home Science related programmes can look for career orientation and preparing the students for market employment, in sharp contrast with the


existing notion that such courses could produce only better housewives. The faculty and management of this Home Science College would do well responding to this emerging academic paradigm.

Given the constraint in getting the governmental and non-governmental grant-in aid programmes, the college could think of offering many such career oriented programmes as diploma/certificate ones, on self-supporting basis. Already the college has registered some progress in this direction through its Nazareth Home Science Institute. This may be further strengthened and diversified.

In pursuance of the institution's goals, more focussed extension programmes may be taken up for empowering the rural women, particularly for the weaker sections. In the light of growing evidences of feminization of poverty and of low-paid jobs, new structures such as Women Self-help groups can be organized and enabled to establish appropriate productive and service sector enterprises. Sustained support, both technical and managerial, to such groups would bring about a perceptible improvement in the women status in the society. While the resource generation through PTA is appreciated, the link up with alumni needs to be strengthened. The feed back from the alumni may be built into curricular planning and development of future programmes. Even if they are ~~just~~ housewives, the alumni of the college could be harnessed as nodal agents for carrying out women empowerment extension activities.

The NAAC Peer team records its gratitude to the management, Principal, Faculty members, Staff, Students and others for rendering full support and facilitating the work undertaken and wish the institution greater success.


16/9/01
Dr. (Mrs.) Lakshmi Santha Rajagopal,
(Chairperson)



Dr. C. Thangamuthu,
(Member)



I agree with these observations

Signature & Seal of the Head of the Institution

10


MORNING STAR
Home Science College
Aranyala, Smt.



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद
विश्वविद्यालय अनुदान आयोग का स्वयत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

*The Executive Committee of the
National Assessment and Accreditation Council
on the recommendation of the duly appointed
Peer Team is pleased to declare the
Morning Star Home Science College
Angamaly South P.O., Ernakulam, affiliated to Mahatma Gandhi University,
Kerala as
Accredited
with CGPA of 2.80 on four point scale
at B grade
valid up to December 30, 2014*

Date : December 31, 2009



HARAN
Director





राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद
विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
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Quality Profile

Name of the Institution : Morning Star Home Science College

Place : Angamaly South P.O., Ernakulam, Kerala

Criteria	Weightage (W _i)	Criterion-Wise Grade Point Averages (Cr _i GPA)	W _i X Cr _i GPA
I. Curricular Aspects	050	2.70	135
II. Teaching-Learning and Evaluation	450	3.08	1386
III. Research, Consultancy and Extension	100	1.65	165
IV. Infrastructure and Learning Resources	100	3.15	315
V. Student Support and Progression	100	3.00	300
VI. Governance and Leadership	150	2.40	360
VII. Innovative Practices	050	2.70	135
Total	$\sum_{i=1}^7 W_i = 1000$		$\sum_{i=1}^7 (W_i \times Cr_i \text{ GPA}) = 2796$

$$\text{Institutional Score} = \frac{\sum_{i=1}^7 (W_i \times Cr_i \text{ GPA})}{\sum_{i=1}^7 W_i} = \frac{2796}{1000} = \boxed{2.80}$$

Grade =

Descriptor =

Date : December 31, 2009




Director

- This certification is valid for a period of Five years with effect from December 31st, 2009
- An institutional CGPA on four point scale in the range of 3.01 - 4.00 denotes A grade (Very Good), 2.01 - 3.00 denotes B grade (Good), 1.51 - 2.00 denotes C grade (Satisfactory)
- Scores rounded off to the nearest integer

Peer Team Report

For Institutional Re-Accreditation

of

Morning Star Home Science College

Angamaly South,

Ernakulam, Kerala

4 – 5 December 2009



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

P.O. Box No. 1075, Nagarbhavi, Bangalore - 560 072, INDIA

Section I : GENERAL	Information
1.1 Name & Address of the Institution :	Morning Star Home Science College, Angamaly South, Pin-683 573, Kerala
1.2 Year of Establishment	July 1963
<p>1.3 Current Academic Activities at the Institution (Numbers) :</p> <ul style="list-style-type: none"> • Faculties/Schools : • Departments/Centres : • Programs/Courses offered : • Permanent Faculty : • Temporary Faculty : • Management Appointed : • Permanent Support Staff : • Management appointed : • Students 	<p>09</p> <p>PG 02 UG 05 Certificate 05</p> <p>Add-on Courses 01</p> <p>22</p> <p>04</p> <p>08</p> <p>30</p> <p>312</p>
1.4 Three major features in the institutional Context (As perceived by the Peer Team):	<ul style="list-style-type: none"> • Morning Star Home Science College was established in the year 1963 with a Diploma course in Home Science by a congregation of the Sisters of Nazareth with motto "Learn to Serve, Serve with Love" • In 1968 UG course in Home Science was started and the college was affiliated to MG university 1983. • In 1981 Predegree courses were added which were withdrawn in 2001 following government direction.

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	<ul style="list-style-type: none"> • In 2001 M Sc. Home Science and in 2004 M Sc. Zoology was started • At present the college offers 5 UG Courses, 2 PG courses, 5 Certificate and 1 Add - on Course to empower women to shoulder higher responsibility and serve the society.
1.5 Dates of visit of the Peer Team (A detailed visit schedule may be included as given below) :	December 4 th & 5 th , 2009
1.6 Composition of the Peer Team which undertook the on-site visit:	
Chairperson	Prof. P. Geervani (Former Vice Chancellor Sri Padmavati Mahila Visvavidyalayam) 201, Dream Apartments, Road No. 3, Banjara Hills, Hyderabad – 500 034, Andhra Pradesh
Member Co-ordinator	Dr. Manju Sinha Principal, Ranchi Women's College, Circular Road, Ranchi – 834 001, Jharkhand
Member	Dr. G. Marimuthu Professor & Head, Department of Animal Behavior and Physiology, School of Biological Science, Madurai Kamaraj University, Madurai – 625 021, Tamil Nadu
NAAC Co-ordinator	Mr. B. S. Ponnudiraj Asst. Advisor NAAC Bangalore

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<p>Section II : CRITERION WISE ANALYSIS</p>	<p>Observations (Strengths and/or Weaknesses) on Key Aspects (Please limit to <i>three major ones</i> for each and use telegraphic language) (It is not necessary to include all the three bullets each time; write only the relevant ones)</p>
<p>2.1 Curricular Aspects : 2.1.1. Curricular Design & Development</p>	<ul style="list-style-type: none"> • The vision and mission of the college is reflected through its courses like B.Sc. Family and Community Science and M.Sc. General Home Science. • As an affiliated college it follows the curriculum laid down by the university. The course is designed by Board of Study and approved by the university. • The college provides provision to make entire faculty and students IT and ICT enabled.
<p>2.1.2 Academic flexibility:</p>	<ul style="list-style-type: none"> • The college offers limited number of five UG, two PG programmes. • Students are permitted to do certificate courses along with UG courses.
<p>2.1.3. Feedback on Curriculum</p>	<ul style="list-style-type: none"> • Feedback of teachers is obtained by the self-appraisal report filled by teachers. • Feedback is obtained from the alumnae and students also.
<p>2.1.4. Curriculum update</p>	<ul style="list-style-type: none"> • Syllabus is revised once in three to five years or

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	<p>as and when university requires.</p> <ul style="list-style-type: none"> • Affiliated colleges have limitations in restructuring, alteration of curricula designed by the board of studies of the university.
<p>2.1.5. Best Practices in Curricular Aspects (If any) : Action taken post- accreditation</p>	<ul style="list-style-type: none"> • Forum for Improvement Language, Communication and Oratory Skills (FILCOS) has been formed to improve the command of language. • Focus on the Job training for the Vocational Courses.
<p>2.2. Teaching-Learning & Evaluation :</p>	
<p>2.2.1. Admission Process and Student Profile :</p>	<ul style="list-style-type: none"> • The Institution ensures wide publicity through prospectus and institutional website and brochures with details of courses for admission. • The college follows the reservation policy in admission as per norms of the government.
<p>2.2.2. Catering to the diverse needs:</p>	<ul style="list-style-type: none"> • Remedial coaching is conducted systematically for disadvantaged learners.
<p>2.2.3. Teaching-Learning Process :</p>	<ul style="list-style-type: none"> • Apart from class room learning students are provided facilities of Computers, LCD, Laptop, DVD, Audio Visual Aids and OHP to improve their knowledge. • Teachers take special interest in improving the performance of students coming from rural areas by way of personal coaching after office hours. • Tutorial sessions, Professional Counselling (with a centre functioning in the campus under Kerala State Social Welfare Board with two trained counsellors), Follow up of academic calendar and

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	<p>IQAC are special features.</p> <ul style="list-style-type: none"> • Maintenance of academic records and activities are meticulous.
2.2.4. Teacher Quality:	<ul style="list-style-type: none"> • Almost all sanctioned posts of teachers are filled up by qualified teachers. • About 25 % teachers have Ph. D. degree as their highest qualification and about 40% teachers have M. Phil. Degree. • There are one CSIR and five NET qualified teachers.
2.2.5. Evaluation Process and Reforms:	<ul style="list-style-type: none"> • The college conducts terminal, model and internal assessment examination to evaluate the development of students. • Students are informed about evaluation reforms through seminar and assignment. • Evaluation on teachers by students is also collected through evaluation sheets filled up by the students at the end of the year.
2.2.6. Best Practices in Teaching-learning and Evaluation (If any):	<ul style="list-style-type: none"> • Teachers are encouraged to help students through internet surfing for advanced information in the field of knowledge. • College organized programmes to improve teaching skills. • Teachers have participated seminars and refresher courses.
Action taken post - accreditation	
2.3 Research, Consultancy & Extension:	
2.3.1. Promotion of Research:	<ul style="list-style-type: none"> • One Minor Research Project of UGC has been

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	<p>sanctioned to a teacher of Chemistry Department. Economics Department has submitted two proposals for Minor Research Projects.</p> <ul style="list-style-type: none"> • During the last five years four of the faculty members were awarded Ph.D. degrees and two have successfully completed M. Phil. during the X Plan of UGC.
2.3.2. Research and Publications Output:	<ul style="list-style-type: none"> • The faculty needs to pay attention on more publications besides departmental or college journals.
2.3.3. Consultancy :	<ul style="list-style-type: none"> • A formal consultancy service can be started by the faculty of the college.
2.3.4. Extension Activities:	<ul style="list-style-type: none"> • The NSS Programme officer of the college has been honoured and also nominated as a Member of the NSS Advisory Committee of the Mahatma Gandhi University on account of incredible social services and extension activities. • Visits to Orphanages, Old Age Homes, and Homes for the Mentally Retarded, Abhayabhavan, Osanam Old Age Home and St. Claire Deaf and Dumb Oral School by different departments of college contribute and help society.
2.3.5. Collaborations :	<ul style="list-style-type: none"> • There is no formal collaboration, however, they utilize the facilities available in the local institutions/firms. • However, there is no official MoU signed up with any institute.

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<p>2.3.6. Best Practices in Research, Consultancy and Extension (If any) :</p> <p>Action taken post - accreditation</p>	<ul style="list-style-type: none"> • Through the extension activities of the two NSS units, besides AICUF, SCAWEP, Youth Red Cross Unit provides opportunity for working with community. • Teachers have proposed research projects and one project of Chemistry department has been sanctioned. • Many teachers have made efforts to publish papers and in the proceedings of the conferences participated by them.
<p>2.4 Infrastructure and Learning Resource :</p>	
<p>2.4.1 Physical Facilities for Learning:</p>	<ul style="list-style-type: none"> • Situated around 5 acres of land the college has three different blocks for academic purpose apart from a hostel block. Laboratories are well designed and equipped. • The Campus and Building is optimally used for college Fitness Club, Library, Morning Star Hostel, St. Jude Counseling Centre and play school for children. • Facilities of internet access, telephone services, xerox, post box and water purifier are made available for students.
<p>2.4.2 Maintenance of Infrastructure:</p>	<ul style="list-style-type: none"> • Grant received from the government is being used for maintenance of the infrastructure. • Maintenance of the whole campus is highly impressive.
<p>2.4.3 Library as a Learning Resources</p>	<ul style="list-style-type: none"> • Open access system is followed in the library which has 10325 Volumes, 575 Reference Books and 30 Indian Journals. • The library is automated and provides

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	<p>Reprography, Computer and Printing Services with internet facility.</p> <ul style="list-style-type: none"> • Reading room is a spacious and well-lighted.
2.4.4 ICT as Learning Resources:	<ul style="list-style-type: none"> • There are 24 computers in library, office and various departments. • The computer centre has 7 computers. • The college has its own website which is frequently updated.
2.4.5 Other Facilities	<ul style="list-style-type: none"> • Morning Star hostel has provision for optimal use. • Physical Education Department selects and prepares team for Yogasana, Wrestling, Cricket, Soft Ball etc.
2.4.6 Best Practices in the development of Infrastructure and Learning Resources (If any) Action taken post- accreditation	<ul style="list-style-type: none"> • The beauty of the campus and building is improved. • A computer lab has been established and is fully utilized by faculties and students after first accreditation in august 2001. • Internet facility is provided to all the staff and students in the departments and library also.
2.5 Student Support and Progression :	
2.5.1 Student Progression	<ul style="list-style-type: none"> • With the help of counselling centre and career guidance cell about two third of UG students progress to further study and about one third of students get employed.
2.5.2 Student Support	<ul style="list-style-type: none"> • The prospectus of the college gives full details of available courses, admission procedure and other information about admission. • After admission the students are made aware of relevant data of the college, vision and mission College Anthem, faculty and courses, rules and

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	<p>regulation, co-curricular activities, campus facilities, scholarship and prizes academic calendar etc. to prepare students for their academic sessions.</p> <ul style="list-style-type: none"> • All the students grow under the care of some teachers allotted for them under mentoring system. • Department of Family and Community Science uses Model Anganwadi Project, Parakadavu Block Panchayat for exposing the students to community work.
<p>2.5.3 Student Activities</p>	<ul style="list-style-type: none"> • The college has its Alumnae association established in 1981. • Sports activities, Cultural Programmes, Physical Activities, Women's Empowerment Programmes, Entrepreneurship Development Efforts, Nature Club are some important efforts of the college for students.
<p>2.5.4 Best Practices in Student Support and Progression (If any):</p> <p>Action taken post- accreditation</p>	<ul style="list-style-type: none"> • Students' progression is good as most students join the college with the purpose of seeking employment as revealed by the high success rate and considerable number of university ranks. • This was also reflected in the interaction with alumnae. • College has applied for the university permission to introduce more job-oriented programmes and seriously pursuing since last accreditation.

<p>2.6 Governance and Leadership:</p>	
<p>2.6.1 Institutional Vision and Leadership</p>	<ul style="list-style-type: none"> • The mission of the college is to develop the

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	<p>students of rural low income families, which is well reflected in the high success rate (90-100% as well as a number of university ranks)</p> <ul style="list-style-type: none"> • The management supports the college to achieve its goal by contributing for the development of infrastructure and maintenance to provide an ideal atmosphere to the students. • The vision to empower women can be seen in this institution by the number of opportunities in the form of certificate and skill-oriented courses along with UG program.
<p>2.6.2 Organizational Arrangement</p>	<ul style="list-style-type: none"> • The college is managed by Governing Body headed by head of local congregation and members including principal, manager and local panchayat members. • Principal monitors academic activities of the college with the assistance of college council and IQAC. Both governing body and college council meet frequently for any decision.
<p>2.6.3 Strategy Development and Deployment :</p>	<ul style="list-style-type: none"> • Institutional development is designed by the Planning Forum headed by the Principal. Such proposals are discussed in the college council for approval and execution.
<p>2.6.4 Human Resource Management :</p>	<ul style="list-style-type: none"> • The college has both types of evaluation systems for teachers and staff – (i) Self appraisal method (ii) Evaluation through questionnaire filled by students. • Teachers are encouraged to attend orientation programmes, seminar and refresher courses. • The teachers are encouraged to go for research and avail FIP, MRP by UGC or other agencies. • The recruitment of qualified teachers is done

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	<p>according to government rules and regulation.</p> <ul style="list-style-type: none"> • The recruitment of Part time / Ad hoc faculty is done by the management following the norms and conditions of the government.
2.6.5 Financial Management and Resource Mobilization:	<ul style="list-style-type: none"> • Morning Star Home Science College is a Grant-in-aid college. • Students enjoy various types of scholarships provided by the government. • Financial management appears to be careful and meticulous. • UGC grants are carefully utilized in time for the purpose.
2.6.6 Best Practices:	<ul style="list-style-type: none"> • Any decision is taken in consultation with Staff Council. • Action plan is prepared in the beginning of every year and the Governing Body ensures the execution of planning. • Of the 33 staff 12 belong to the congregation and they contribute 30% of their salary to college development.

<i>Innovative Practice :</i>	
2.7.1 Internal Quality Assurance System	<ul style="list-style-type: none"> • Internal Quality Assurance System is well streamlined.
2.7.2 Inclusive Practice	<ul style="list-style-type: none"> • SC / ST and other students from backward communities get free accommodation in Morning Star Hostel. • The college offers remedial courses. • The institution promotes value based education for inculcating social responsibility.
2.7.3 Stakeholder Relationship	<ul style="list-style-type: none"> • The institution maintains good relationship with parents, alumnae and local leaders.

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<p>Section III : OVERALL ANALYSIS</p>	<p>Observations (Please limit to <i>three major ones</i> for each and use telegraphic language) (It is not necessary to denote all the five bullets for each),</p>
<p>3.1 Institutional Strengths</p>	<ul style="list-style-type: none"> • Learner-Centric teaching methodologies, dedicated faculty, enthusiastic and disciplined students. • The NSS unit of the college has been recognised as the best unit of NSS in the university. • The dedication of the management in maintaining high standard.
<p>3.2 Institutional Weaknesses</p>	<ul style="list-style-type: none"> • As a Grant-in-aid affiliated college it has limitation of resources, freedom for innovation in curricular and thus quality is affected. • Not effective in initiating new programs on time.
<p>3.3 Institutional Opportunities:</p>	<ul style="list-style-type: none"> • Introducing professional and entrepreneur skill oriented courses. • Strengthening outreach and extension activities as well consultancy programmes. • Further garnering funds by approaching state and Central Government agencies for grants under various projects.
<p>3.4 Institutional Challenges</p>	<ul style="list-style-type: none"> • Competing with other institutions offering professional courses such as commerce, computers, management is a challenge for the college. • Improving the performance of the mediocre

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	<p>students that seek admission.</p> <ul style="list-style-type: none">• Improving the communication skills of students coming from Malayalam medium.
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Section IV Recommendations for Quality Enhancement of the Institution

(Please limit to ten major ones and use telegraphic language)

(It is not necessary to indicate all the ten bullets)

- The name of the college may be changed as present name has no relevance to the mission and courses offered.
- While improvements in the library have been made, effort needs to be strengthened by using an efficient automation system, subscribing to more journals and e-journals, enriching the reference section etc.
- Inclusive education process may be strengthened by admitting more differently-abled students and publicizing the available facilities in the prospectus, pamphlets, web-site etc.
- The website needs to add more details about certificate , add on , diploma courses with duration, credits and fee structure to allure students from other states also.
- “Network Resource Center” can be established in the college with the help of UGC as a strong part of ICT made for students and staff.
- Further use of expertise available in the college for income generation through consultancy.
- Language laboratory may be established to improve communication skills in English and other languages.
- A placement cell with trained placement officer may add the relevance of counseling

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centre and career guidance cell.

- Office procedures need to be computerized to improve the efficiency and conserve financial resources. Payments of salaries need to be by cheques.
- Research initiatives may be further strengthened and more teachers may be encouraged to seek research grants. Training for scientific writing may be started.
- Canteen may be furnished well.
- Group insurance scheme for students may be introduced.

I agree with the Observations of the Peer Team as mentioned in this report.



S. A. Philip
5/12/09
Signature of the Head of the Institution

Seal of the Institution

Signature of the Peer Team Members:

Name	Designation	Signature with date
Prof. P. Geervani	Chairperson	<i>P. Geervani</i> 5/12/09
Dr. Manju Sinha	Member Coordinator	<i>Manju Sinha</i> 5/12/09
Dr. G. Marimuthu	Member	<i>G. Marimuthu</i> 5.12.09
Mr. B.S. Ponmudiraj	Assistant Adviser	

Place: *Angamaly south, Ernakulam Kerala*

Date: *5/12/09*

MORNING STAR HOME SCIENCE COLLEGE ANGAMALY
TOTAL INCOME AND EXPENDITURE OF THE YEAR JUNE 2014 TO MAY 2015

Particulars	Receipts	Particulars	Payments
Opening Balance	2300.00	Salary Paid T S	15771334.00
Salary Received T S	15771334.00	Salary Paid N T S	7936659.00
Salary Received N T S	7936659.00	Special Fee Remitted PDI	420770.00
Tuition Fee Collected	408195.00	Tuition fee Remitted In R A/C	408195.00
By UGC	1037250.00	Exam Fee Remitted PDI	301600.00
Special Fee Collected	422135.00	Exam Fee Remitted in GUS	410700.00
Exam Fee Collected	393000.00	Sports Affiliation Fee Remitted	25575.00
Caution Collected	65280.00	University Affiliation Remitted	29950.00
By Manager(University Fees)	38200.00	University Union	11950.00
Application Form Sale R A/C	4280.00	Welfare	4270.00
Application Form Sale PDI	2140.00	Insurance	3410.00
Application Form Manager	4280.00	Paid To Manager(University Fees)	38200.00
Library Fine Collected	4474.00	Library Fine Remitted R A/C	4474.00
By PDI	746960.00	Application Form Sale R A/C	4280.00
PF Received N T S	794192.00	Application Form Sale PDI	2140.00
PF Received T S	3304330.00	Application Form Manager	4280.00
Group Insurance Received N T S	55422.00	PF paid T S	3304330.00
SC OEC Hostel Fees(Harijan W.D)	280000.00	PF paid N T S	794192.00
By Canara Bank	1874768.00	Caution Remitted SB A/C	65280.00
By Manager U G C	502740.00	Matriculation Fee Remitted	11100.00
B/F	33647939.00	B/F	29552689.00



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 Dr. Sr. ALPHONSA M. S.
PRINCIPAL
 M.S. Home Science College
 Angamaly South

B/F	33647939.00	B/F	29552689.00
Festival Allowance N T S	50600.00	Paid Manager (Matriculation)	2800.00
Festival Allowance T S	48400.00	Festival Allowance NT S	50600.00
Remitted PD III	10704.00	Festival Allowance T S	48400.00
Stipend Received (Fisheries Stds)	21169.00	Caution Paid to Students	45360.00
Lump sum Grant Received	3800.00	Stipend Paid (Fisheries Stds)	21169.00
By Special fee(Harijan W .D)	26110.00	Lump sum Grant Paid	3800.00
By S B A/C	45360.00	Special Fee Repaid Stds	21390.00
By Central Bank	54747.00	Remitted PD III	10704.00
Magazine Advertisement	19000.00	Refund (Harijan W D)	6085.00
By Manager Association	15000.00	Hostel fee Paid(Sc Stds)	280000.00
By Manger Calendar	10740.00	Remitted in Canara Bank	1037250.00
By Manager Stationary	15000.00	U G C MRP	448282.00
By Manager Admission	9750.00	UGC Seminar	1859513.00
By Manager Library	41803.00	Paid Manager(UGC Seminar)	124460.00
By Manager SAF	1965.00	Group Insurance Paid N T S	55422.00
By manager Women Study	1970.00	Paid To Manager (Lab)	69099.00
By Manager Sports	26700.00	Paid to Manager(SAF)	1080.00
By Manager Magazine	29350.00	Paid to Manager(Women Study)	1080.00
By Manger Medical	423.00	Paid to Manager(Library)	21600.00
By Manager Audio Visual	9850.00	Paid to Manager(Admission)	4800.00
By Manger Lab	131464.00	Paid to Manager(Association)	10800.00
By Manager Matriculation	2800.00	Paid to Manager(Calendar)	6480.00
		Paid to Manager(Magazine)	10800.00
		Paid to Manager(Audio Visual)	5400.00
		Paid to Manager(Stationary)	10800.00
		Association	24650.00

B/F



34224644.00

B/F

33734513.00

Alphonsa
 Dr: Sr. ALPHONSA M.A.
PRINCIPAL
M.S. Home Science College
Angamaly South

B/F	34224644.00	B/F	33734513.00
		Calendar	16500.00
		Stationary	24650.00
		Library	60108.00
		Sports	81575.00
		Lab	208910.00
		Audio Visual	14700.00
		Magazine	58050.00
		Medical	1768.00
		Admission Paid	18000.00
		SAF	2935.00
		Women Study	2935.00

Total	34224644.00	34224644.00
Closing Balance		NIL
Grand Total	34224644.00	34224644.00



Slip
 Dr: Sr. ALPHONSA M.K.
PRINCIPAL
 M.S. Home Science College
 Angamaly South

MORNING STAR HOME SCIENCE COLLEGE ANGAMALY

TOTAL INCOME AND EXPENDITURE OF THE YEAR JUNE 2015 TO MAY 2016

Particulars	Receipt	Particulars	Payment
Salary received TS	22335867.00	Salary paid TS	22335867.00
Salary received NTS	7509387.00	Salary paid NTS	7509387.00
EL surrender NTS	438310.00	EL surrender paid NTS	438310.00
EL surrender TS	139934.00	Group insurance closure TS	233129.00
Group insurance closure TS	233129.00	Earned Leave surrender TS	139934.00
PF closure received NTS	916358.00	PF closure NTS	916358.00
PF closure received TS	9628143.00	PF closure TS	9628143.00
Group insurance closure NTS	29546.00	Group insurance closure NTS	29546.00
Festival allowance TS	43200.00	Festival allowance TS	43200.00
Festival allowance NTS	48000.00	Festival allowance NTS	48000.00
Tuition fee collected students	184710.00	Special fee remitted PDI	670435.00
Special fee collected students	231925.00	Tuition fee remitted R a/c	622875.00
T.F Spl.fee -Lakshadweep students	216380.00	Caution money remitted SB a/c	77520.00
T.F Spl.fee - Exam fee- Harijan Welfare dpt	54880.00	Caution paid students	67080.00
Scholarship Handicapped Student	4000.00	Application form sale remitted R a/c	2860.00
SBT	4000.00	Application form sale remitted Manager	2860.00
Special fee collected H.W.D	422385.00	Application form sale remitted PDI a/c	1430.00
Tuition fee collected H.W.D	425165.00	Library fine remitted R a/c	15891.00
Exam fee collected H.W.D	429635.00	Exam fee remitted PDI a/c	442985.00
Hostel fee collected H.W.D	375000.00	Exam fee remitted Gus	504500.00
Tuition fee collected Lakshadweep students	8000.00	Student affiliation fee remitted Gus	36400.00
Special fee collected Lakshadweep students	11690.00	Sports affiliation fee remitted Gus	32925.00
Exam fee collected Lakshadweep students	8800.00	Matriculation fee remitted Gus	20100.00
Hostel fee collected Lakshadweep students	165165.00	Welfare fee remitted Gus	8800.00
LSG & stipend Lakshadweep students	22725.00	Unty. Union fee remitted Gus	20450.00
Tuition fee collected Fisheries students	5000.00	Insurance fee remitted Gus	4400.00
Special fee collected Fisheries students	4435.00	Scholarship paid(handicapped student)	4000.00
Exam fee collected Fisheries students	4550.00	T.F spl.fee ,exam fee refund students	54880.00
LSG & stipend Fisheries students	32739.00	sale of old news paper remitted a/c	1200.00
Exam fee collected students	96250.00	Remitted to SBT	220380.00
Application form sale - PDI a/c	1430.00	Hostel fee paid(SC , OEC ,Lakshadweep)	540165.00
B/F	44030738.00	B/F	44674010.00

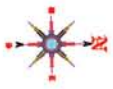



Dr: Sr. ALPHONSA M.K.
PRINCIPAL
M.S. Home Science College
Angamaly South

B/F	44030738.00		44674010.00
Application form sale - revenue a/c	2860.00	LSG & stipend paid (Fisheries students)	32739.00
Application form sale - Manager	2860.00	LSG&stipend paid (Lakshadweep students)	22725.00
Caution collected students	77520.00	Remitted to Canara Bank	529724.00
Library fine collected	15891.00	Paid MRP	80400.00
Sale of old newspaper	1200.00	Paid Manager (Additional Assistance)	451589.00
By SB a/c	67080.00	Paid Manager (UGC National Seminar)	67500.00
By PDI	1080685.00	Paid National Seminar	228000.00
By UGC	529724.00	Add on course	197584.00
By Canara Bank	827489.00	Paid Manager Lab	133488.00
By Central Bank	179233.00	Paid Manager Library	39600.00
By Manager Add on Course	18351.00	Paid Manager Magazine	19800.00
By Manager - Stationary	9150.00	Paid Manager Audio visual	10625.00
By Manager - Calendar	7350.00	Paid Manager Admission	9750.00
By Manager - Audio Visual	7100.00	Paid Manager Sports	26700.00
By Manager - Library	28000.00	Paid Manager Medical	423.00
By Manager - Laboratory	64352.00	Paid Manager Stationary	16500.00
By Manager -SAF	1495.00	Paid Manager calendar	11670.00
By Manager - study	1495.00	Paid Manager Association	15300.00
By Manager - Association	7800.00	Paid Manager SAF	2110.00
By Manager - sports	22000.00	Paid Manager women study	2115.00
By Manager - Magazine	14600.00	Library paid	57280.00
By Manager - Admission	295.00	Sports paid	64775.00
Advertisement magazine	51000.00	Medical	2277.00
		women study	2850.00
		SAF	2855.00
		Association	27720.00
		Lab paid	159714.00
		stationary	27300.00
		calendar	16500.00
		Audio visual	13825.00
		Admission	20320.00
		Magazine	80500.00
Total	47048268.00		47048268.00
Closing Balance			NIL
Grand Total	47048268.00		47048268.00



Dr. Sr. Alphonsa M.K.
PRINCIPAL
M.S. Home Science College
Angamaly South



Morning Star College Angamali

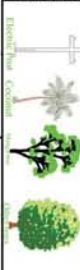


1	PLAY SCHOOL AND COUNCELLING
2	MAIN BLOCK
3	ARTS & BLOCK
4	HOSTEL
5	NAZERTH BLOCK
6	CANTEEN
7	TOILET
8	MOTOR SHED
9	SECURITY ROOM
10	TRANSFORMER
11	BIO GAS PLANT
12	GARDEN LIBRARY
13	SUPPORTING STAFF ROOM
14	WELL
15	WASHING
16	FISH TANK
17	GROTTO
18	GARDEN
19	MEDICINAL GARDEN
20	PLAY GROUND
21	POWER SUPPLY
22	GATE

SCALE 1 : 1200

SURVEYOR : SAJITH
 DRAWN : ANIL JOSEPH
 DATE : 20/05/2016
 PROJECT : MORNING STAR COLLEGE ANGAMALI

No.	Part	Remarks	By	Checked	When

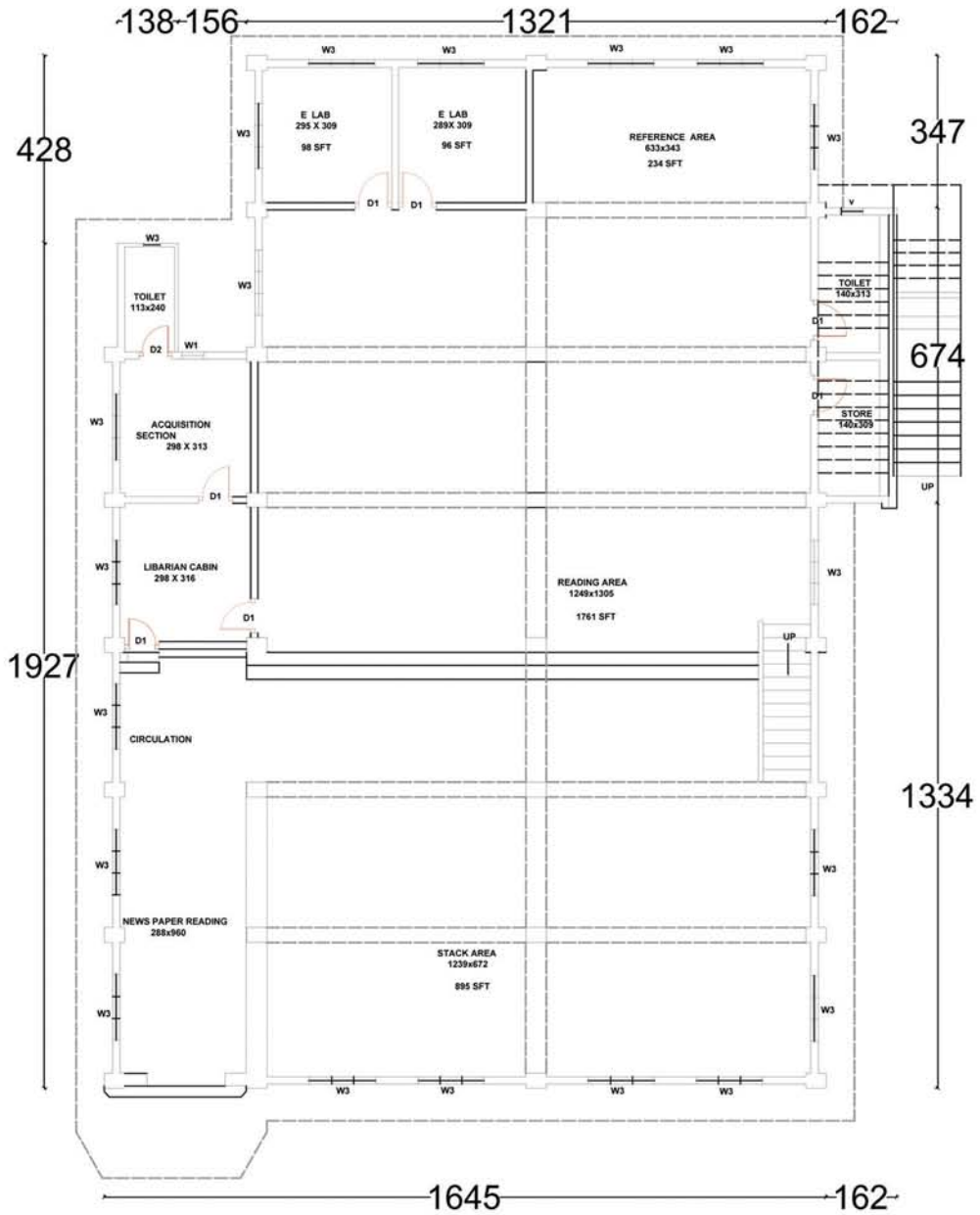


17529.584m²
 4 Acre 33 Cent 150 Links

REMARKS

DIGITAL LAND SURVEY
 ATTANTYU, ALUVA
 Mob: 9961 7271 70, 9847862551 Ph: 0484-3474155
 e-mail: digitalandsurvey@yahoo.com

Library Layout



PROJECT TITLE	DATE	23-07-2015	DRAWING TITLE	 RT GROUP Designers&Developers N.Paravur, 9447584166, rtgroupdesigners.com
PROPOSED PLAN FOR MORING STAR COLLAGE	SCALE	NTS	GROUND FLOOR LIBERY	
	DRAWN BY	IVIN	AREA 3990 sft TOTAL 11634 sft	



Government of India

Ministry of Human Resource Development

Department of Higher Education

Statistics Division

New Delhi

Certificate



Reference No.C-11780-2012

This is to certify that morning star homescience of Morning Star Home Science College, Angamali South P.O. 683 573 has successfully uploaded the data of All India Survey on Higher Education(AISHE) 2012-2013.

(B N Tiwari)

Deputy Director General

Dated: 08/12/2016



Government of India

Ministry of Human Resource Development

Department of Higher Education

Statistics Division

New Delhi

Certificate



Reference No.C-11780-2013

This is to certify that morning star homescience of Morning Star Home Science College, Angamali South P.O. 683 573 has successfully uploaded the data of All India Survey on Higher Education(AISHE) 2013-2014.

(B N Tiwari)

Deputy Director General

Dated: 08/12/2016



Government of India

Ministry of Human Resource Development

Department of Higher Education

Statistics Division

New Delhi

Certificate



Reference No. C-11780-2014

This is to certify that morning star homescience of Morning Star Home Science College, Angamali South P.O. 683 573 has successfully uploaded the data of All India Survey on Higher Education(AISHE) 2014-2015.

(B N Tiwari)

Deputy Director General

Dated: 08/12/2016



Government of India

Ministry of Human Resource Development

Department of Higher Education

Statistics Division

New Delhi

Certificate



Reference No. C-11780-2015

This is to certify that morning star homescience of Morning Star Home Science College, Angamali South P.O. 683 573 has successfully uploaded the data of All India Survey on Higher Education(AISHE) 2015-2016.

(B N Tiwari)

Deputy Director General

Dated: 08/12/2016

MORNING STAR HOME SCIENCE COLLEGE

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Ernakulam Dist.

Kerala – 683 573

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