



**ACADEMIC AND
ADMINISTRATIVE AUDIT
REPORT**

2018 - 2022



"Let Your Light Shine Before Men"

Academic & Administrative Audit

The academic and administrative audit at St. John's College Anchal represents a meticulous process aimed at evaluating the institution's performance over the last four years, from June 2018 to November 2022. Comprehensive data, categorized based on specific criteria, has been diligently collected from various departments within the college during this period. The collected information spans academic curriculum, faculty qualifications, administrative processes, student services, and infrastructure development. This wealth of data is then consolidated to form the basis for an overall assessment report.

One week prior to the audit visit, this report is shared with external experts, providing them with a detailed understanding of the college's strengths and areas requiring attention. During their visit, these external experts conduct a thorough examination of the institution and individual departments. The insights and recommendations offered by these experts are invaluable in shaping the final audit report, which not only highlights commendable practices but also provides actionable recommendations for improvement. This collaborative approach, combining internal data analysis and external expert input, ensures a holistic and constructive evaluation of St. John's College Anchal.

The Audit Team

The eminent faculty for academic audit comprises

1. Dr Shaji Varkey

Professor Emeritus

Department of Political Science

University of Kerala, Thiruvananthapuram

2. Fr Dr Gigi Thomas

Associate Professor and Head

Department of Mathematics

Mar Ivanios College (Autonomous), Thiruvananthapuram

3. Dr Anoop Tom Thomas

Head, Department of Commerce

St. Dominic's College, Kanjirappally

Kottayam District, Kerala

About the College



St. John's College stands as a distinguished institution among the Malankara Syrian Catholic Colleges, established and managed by the Major Archdiocese of Thiruvananthapuram, in accordance with the constitutional rights granted to minority communities. The inception of this esteemed center of learning is attributed to the visionary leadership of the late Archbishop Most Rev. Benedict Mar Gregorios. Presently thriving under the patronage of His Beatitude Moran Mor Baselios Cardinal Cleemis Catholicos, the college has consistently championed the cause of learning and the holistic development of the region since its establishment.

In 2015, the college received the prestigious 'A' grade re-accreditation from NAAC, following a thorough assessment by a peer team that visited the institution from March 26th to 28th, 2015. The college's commitment to excellence has garnered numerous accolades from regulatory bodies associated with the Ministry of Human Resource Development (MHRD). Noteworthy achievements include the coveted STAR college status and DST-FIST recognition in 2016, along with being enlisted in the RUSA infrastructure fund list in 2018. A significant milestone was achieved in 2019 when the PG department of Chemistry attained the status of a Research Centre of the University of Kerala, underscoring the college's continuous pursuit of academic excellence.

The vision of St. John's College is akin to a radiant lamp atop a mountain, illuminating the path for future generations by dispelling ignorance, eradicating poverty and societal ills. Rooted in the aspirations of the Malankara Catholic Major Archi Episcopal Church, the college is a beacon of educational development in its region. As Johnians, we are dedicated to fostering justice, social progress, environmental preservation, national unity, religious

tolerance, and responsible use of technology and media. Our commitment extends to cultivating a wholesome lifestyle, combatting corruption, violence, drug abuse, and criminalization, and empowering marginalized communities, especially women. Staunch advocates of academic excellence, skill development, and character formation grounded in the teachings of Jesus Christ, we strive to produce intellectually mature, morally upright, socially committed, and spiritually inspired individuals contributing to the betterment of India.

ACCOLADES

- * St. John's College takes pride in the esteemed recognition of achieving an 'A' grade upon re-accreditation during the second cycle in May 2015 by NAAC.
- * In 2016, the college was bestowed with the prestigious STAR college status and received recognition from DST-FIST.
- * In 2018, S. Susree, an esteemed graduate of St. John's class of 2016, not only excelled in the Civil Service Examinations but also made history by becoming the youngest IPS officer in the country.
- * In 2018, the college was included in the RUSA infrastructure fund list.
- * In 2019, the elevation of the PG Department of Chemistry to the status of a Research Centre at the University of Kerala marked another significant milestone in the college's ongoing pursuit of excellence.

Administration

- College Calendar

St. John's College prudently crafts the college calendar and College Diary at the commencement of each academic year. The Academic Calendar outlines key dates such as the commencement and conclusion of semesters, examination periods, holidays, and significant events. It provides a strategic framework that helps students, faculty, and staff plan their academic activities well in advance.

The college diary serves as a comprehensive compendium for both students and faculty. The diary contains details of various scholarships, providing students with essential information on eligibility criteria and

application processes. The diary introduces the teaching staff of diverse departments along with the supporting staffs. Additionally, the diary serves as a vibrant repository of information on the college's numerous committees and clubs, detailing their purposes, memberships, and scheduled activities.

- **General Time Table**

The College diligently prepares and circulates a comprehensive General Time Table at the onset of each academic year. By disseminating the General Time Table among departments, the college promotes transparency and accountability in adhering to the outlined schedule.

- **College Council**

The College Council plays a pivotal role in the governance and decision-making processes of the institution. Comprising key stakeholders, including heads of all departments, administrative staff, and elected members, the council serves as a forum for discussing and deliberating on various academic and administrative matters. It acts as a bridge between the faculty, administration, and student body, fostering communication and collaboration. The College Council is instrumental in shaping policies, addressing concerns, and ensuring the overall well-being of the college community.

- **Centralized Examination Committees**

The college has two distinct committees responsible for examination management.

- **The Internal Examination Committee** oversees continuous Evaluation (CE). This committee mainly focuses on the smooth conduction of the internal examinations.
- **The University Exam Committee** responsible for overseeing the conduct of end semester exams. The position of the exam superintendent is held by a member of the teaching faculty, who is supported by both teaching and supporting staff members from the college.

- **Curriculum and Teaching Learning Aspects**

The Choice Based Curriculum framework for UG programmes have diversified the learning by including

- Core Courses
- Complimentary Courses
- Language Courses
- Elective Courses
- Open Courses

Apart from these, the system attains academic flexibility through

- Add-on Courses
- Value added Courses
- Certificate Courses

The PG programmes entitle academic flexibility by offering elective course along with core courses.

- **Internal Quality Assurance Cell (IQAC)**

Internal Quality Assurance Cell is the post-accreditation quality sustenance measure devised according to the guidelines of the NAAC. The IQAC of St. John's College is involved in continually ensuring quality enhancement initiatives specific to the institution based on continuous consultation and pooling of ideas, the various activities can be summarized as follows,

1. ensure continuous improvement in the entire operations of the Institution
2. The IQAC consistently schedules two to three meetings throughout the academic year to discuss the quality enhancement and actions to be taken
3. Organising training programmes and workshops on accreditation frame works in relation to quality enhancement.
4. Making key interventions in core areas like research and teaching-learning by formulating policies and creating action plans for their implementation.

5. Conducts Audits for the right evaluation of departments and administration
6. Providing support to faculty in career advancement and academic development.
7. Identifying institutional infrastructural requirements and communicating such matters to the relevant councils and bodies.
8. assure stake holders connected with higher education - students, parents, teachers, staff, would be employers, funding agencies and society in general - of the accountability of the institution for its own quality and probity.

- **Library**

The St. John's College Library spans 8,000 square feet, with a dedicated reading area occupying 2,000 square feet across two floors. Equipped with a spacious circulation counter and well-furnished reading spaces, the library utilizes teak wood cupboards, as well as wood and iron racks, for book storage. The Stack Room, covering 3,000 square feet of carpet area, is fully equipped, well-furnished, and has a computerized system, including a digital library.

The college library arranges orientation programs for new students to introduce them to library resources. Additionally, the library consistently adds new books and periodicals to its collection, ensuring a contemporary and diverse selection for its users. The college has a library automated and working with Online Public Access Catalog (OPAC) facility. All books are bar-coded for efficient management, and regular acquisitions of books and journals are made using annual funds from the PD account, as well as funding from external agencies and research projects. Apart from this The library grants stakeholders access to e-resources via INFLIBNET.

- **Office Administration**

St. John's College Office Administration is efficiently managed by a dedicated team led by the Superintendent and supported by a skilled staff of 9 members. The team comprises Head Accountant, Clerical Staff Office Assistants and a Computer Assistant who work collaboratively to ensure the smooth functioning of administrative tasks. Apart

from this the management has appointed a full time computer expert for the quick and easy processing of bills and documents in the college. Under the adept guidance of the Superintendent, the team handles various responsibilities, including record-keeping, data management, fees collection, students E-grants processing, and communication within the college and to the university. This well-organized team ensures that the administrative machinery operates seamlessly, facilitating the effective coordination of activities within St. John's College. The Department of Collegiate Education (DCE) is hosting training programs for college administrative staff, which our administrative staffs regularly attends to enhance their skill sets.

- **The Academic Management System - EMBASE Prosuit**

The college administration integrated E-Governance Implementation as an essential component, introducing the "Embase Pro Suit" from the academic year 2021-22. This software can manage attendance, fee collection, staff leave and is able to generate attendance report. Beyond facilitating E-Governance, this software extends its capabilities to encompass Curriculum Design and Development, Outcome-Based Education (OBE), Learning Management System (LMS), and Student Performance Analytics. By leveraging this platform, colleges can effectively align with the goals and directives outlined in the National Education Policy (NEP) of 2020.

- **Sports and Physical Education**

The college boasts of state-of-the-art sports facilities, encouraging students to participate in various sporting events and competitions. The Physical Education curriculum is designed not only to enhance physical fitness but also to instill values such as teamwork, discipline, and sportsmanship. Dedicated coaches and trainers work closely with students, providing guidance and support to help them achieve their athletic potential. The college's commitment to sports is reflected in its encouragement of a well-rounded education that extends beyond the classroom, nurturing both the physical and mental well-being of its students. Beyond these, the Physical Education department offers an open course in Health and Fitness Education.

- **Extension Activities**

The institution actively engages in numerous extension activities and outreach programs facilitated by various clubs and organized forums such as NCC and NSS. The college's NSS unit has been honored with the Best Performance Award for the academic years 2019-20 and 2021-22. Mr. Shijo V Varghese from the Malayalam department was recognized as the Best Programme Officer for the year 2019-20, while Dr. Anu Varghese from the Commerce department received this distinction for the academic year 2021-22.

- **Parent Teacher Association (PTA)**

The Parent-Teacher Association of the College provides active support for the academic and physical development of the college. The association also gives away prizes to meritorious students every Year. All parent of the student on roll are members of the Association and the executive committee is selected in the general assembly annually.

- **Grievance Cells**

1. **College Level Monitoring Committee (CLMC)**

Students shall approach Department Level Monitoring Committee (DLMC) if they have grievances on matters related to CBCSS. If the grievances are not redressed they can approach the College Level Monitoring Committee (CLMC).

2. **Grievance Redressal Cell**

This committee is constituted in accordance with the government policy and will look in to the sexual harassment, if any, and takes necessary action.

3. **Women Grievance Redressal Cell**

The cell is constituted as per the directive of the UGC to redress the grievances, if any, of the lady students and women-members of the staff

Along with the Grievance Redressal cell, the college has the other three statutory committees, namely Committee for SC/ST, Anti-ragging committee and Minority Cell.

- **Feedback Mechanism**




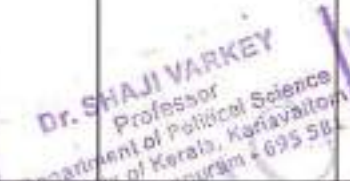


Feedback from all stakeholders is taken at the end of each semester, and annually. The feedback is conducted online using a Google Form, and is circulated among students, faculty, alumni, parents and employers. The feedback is then analysed, a feedback report is prepared and a follow up action taken report is prepared by the IQAC.

- **Best Practices**

- **St. John's Ecosystem for Advanced Learning (SEAL)**
SEAL(St. John's Ecosystem for Advanced Learning) is a flagship initiative of the Johnnian fraternity to establish and maintain an academically rigorous, globally competent research and teaching environment in a rural college settings. SEAL is envisioned as a 'smart' ecosystem for nurturing quality learning in classrooms, inspiring curiosity among students, and inculcating robust research skills in a phased manner.
- **Punarjani**
Since 2018, the college has been reaching out to the tribal communities of Chinnar Wildlife Sanctuary through annual medical camps. A dedicated team comprising medical professionals, teachers, and students embeds themselves within the tribal settlements, conducting comprehensive medical check-ups. With a primary aim to address malnutrition among tribal children, the camps offer essential medical treatments alongside the provision of nutritious food supplies, ensuring holistic healthcare and support to the marginalized communities. The forest department has recognized this initiative as "Punarjani" and it has gained significant visibility through coverage in national media.

Overall Assessment of the External Auditors

- It is a matter of appreciation that the college(Dept of Chemistry) got DBT-STAR and DST-FIST schemes.
- It is good that the curriculum contains provisions for certificate and add-on courses. All the faculty may opt to prepare and offer relevant certificate courses. Students may also be encouraged to participate in online MOOCs (SWAYAM/NPTEL/Spoken Tutorial, etc).
- The college has a sound feedback system. As per NAAC guidelines, the feedback analysis has to be published on the college website as well.
- Many departments are performing well in teaching-learning, research and publications, progression to higher education and placement, etc. Other departments may also try to excel in all such matters.
- It is observed that the previous NAAC Accreditation was in 2015 and there is a gap of 7 years. In future, the college has to take effort to go for reassessment as per the stipulated time frame by the NAAC.
- Only one department (Chemistry) seems to have been upgraded to a PhD research department. The college should take measures to upgrade other PG departments also to research departments.
- The Grievance Cell for sexual harassment may be realigned/renamed as per the official Govt./UGC directions.
- A few departments offer internship options for students. Other departments/programmes also may follow the pattern at the college level.
- More academic linkages/MoUs may be established both at the college level as well as at department levels.
- Faculty publication should increase
- Student clubs (discipline specific) should be initiated
- Important days (-discipline specific) should be observed with lectures.
- Take advantage of the new opportunities presented by online seminars and lectures.
- Community and alumni support are vital for growth, the college shall take initiatives in establishing fellowships, scholarships, and prizes with alumni backing.

Name of the Expert	Dr Shaji Varkey	Fr Dr Gigi Thomas	Dr Anoop Tom Thomas
Signature			
Seal			

IQAC, SJR Ancillary
AAA B

Department of Malayalam

Milestones:

- Year of Establishment:1964
- Year of elevation to UG department:1967

Programmes offered:

- BA Malayalam: Language, Culture and Literature.

Criteria-wise assessment

Teaching, Learning & Evaluation

- The syllabus contains core, additional language and open courses. Additional language courses are offered to all departments during the first four semesters. The Open Course is offered in the fifth semester.
- All courses are outcome based.
- Lesson plan is prepared by all the faculty members in the department
- The last four year average Student-Teacher ratio in the department is 24 : 1.
- The last four year average pass percentage of outgoing students is 54.25
- Teaching-Learning pedagogy involves conventional lecturing, experiential learning such as project work, assignment, seminar and peer group learning.
- The faculty uses audio-visual facility to improve learning.
- Teachers in the department uses ICT enabled teaching methods.
- The faculty in the department attended e-content development workshops and training classes.

Research, Consultancy & Extension

- Three faculty in the department have Ph.D degree. The remaining teachers are about to finish their Ph.D.
- Dr. Mary M Abraham is a research guide in the Kerala University research centre at SD College, Alappuzha.

- The faculty are competent with 23 research publications in which 3 publications are of international level.
- The department conducted a seminar on Research Methodology in 2022.
- A Two day National Webinar on “Thekkan Keralam-Nattarivum Sam-skruthiyum” is conducted in collaboration with Kerala Folklore Academy.

Student Support, Progression & Faculty Improvement

- Mentoring for all students is done in the department and the mentoring report of all students kept in the department
- The department offers an add-on Course in Journalism.
- The average number of students going for higher studies is 16.
- Two students got placement in Government sector and a large number of pass out students are working in private sector jobs
- The faculty attend professional development programmes on a regular basis
- Students in the department are encouraged to participate in the seminars and workshops offered by other institutes and colleges.

Comments of the External Experts

- The overall performance of the department seems to be fine.
- The department should explore the possibility of upgrading to a PG department and a PhD research department, as the department has qualified faculty.
- The pass percentage of the UG programme should be enhanced. Remedial teaching and additional sessions may be arranged for needy students.
- Occasional field trips and field projects to nearby culturally rich sites may be promoted, as part of experiential learning.
- Stronger academic leadership from faculty required
- The Department shall give more focus on cultural studies
- Interdisciplinary focus to be promoted
- Students should be exposed to web-based Malayalam language programmes.
- Literary output like "kayyazhuthu masika" should be initiated.

Name of the Expert	Dr Shaji Varkey	Fr Dr Gigi Thomas	Dr Anoop Tom Thomas
Signature			
Seal			

Department of English

Milestones:

- Year of Establishment:1964
- Year of elevation to UG department:1999

Programmes offered:

- BA English and Communicative English

Criteria-wise assessment

Teaching, Learning & Evaluation

- The "BA English and Communicative English" program prepares students for diverse career opportunities in areas such as literature, language teaching, communication, media, marketing, and more, while also fostering a strong foundation in English language skills.
- All courses are outcome based.
- Two faculty in the department were participated in the Kerala University UG Syllabus revision during 2021.
- Lesson plan is prepared by all the faculty members in the department
- The last four year average Student-Teacher ratio in the department is 8.6 : 1.
- The last four year average pass percentage of outgoing students is 79.21
- The teacher student interactions are mainly done through lecture method. Apart from this, there will be seminars, peer group teaching, language skill development sessions, power point presentations etc. Regular assignments are given by faculty coordinators of each subjects. Study trips have been conducted for the semester 6 students in the years 2018, 2019, and 2020.
- Teachers in the department use ICT enabled teaching methods.

- Most of the faculty in the department attended e-content development workshops and training classes.

Research, Consultancy & Extension



- Three faculty in the department have Ph.D degree. The remaining teachers are doing Ph.D.
- The faculty members possess a total of six international research publications.
- National Level Seminars and Webinars are organized in the department to understand and popularize different academic paradigms.

Student Support, Progression & Faculty Improvement

- A well-structured mentoring methodology is adopted by the department. The students are grouped under dedicated mentors, regular one-on-one meetings between mentors and students are scheduled to discuss academic progress, career goals, and personal development. Mentoring report of individual students are regularly updated and maintained in the department.
- The average number of students going for higher studies is 9.
- Two students bagged placement during the last four years
- The department conducts training classes to improve language skills of the students
- The faculty attend professional development programmes on a regular basis
- Students in the department are encouraged to participate in the seminars and workshops offered by national institutes and colleges.

Comments of the External Experts

- Overall performance is good.
- The research output of the department by means of paper publications, presentations in conferences, publications in proceedings, etc. needs to be enhanced.
- Pass percentage should be improved.
- The graduation outcome of the department by means of progression to higher studies and placement also are to be improved.
- The Department can think of an annual cultural day, organized mainly by students
- The department's full potential should be utilized.

Name of the Expert	Dr Shaji Varkey	Fr Dr Gigi Thomas	Dr Anoop Tom Thomas
Signature			
Seal			

Department of Political Science

Milestones:

- Year of Establishment:1964
- Year of elevation to UG department:1967
- Year of elevation to PG department:1999

Programmes offered:

- BA Political Science
- MA Public Administration

Criteria-wise assessment

Teaching, Learning & Evaluation

- The Department of Political Science and Public Administration offers three year Bachelor's Degree programme in Political Science and two year Master's Degree programme in Public Administration.
- The Department offers four complimentary courses for first and second year students pursuing BA Economics degree at St. John's College. The Department also offers an elective course titled 'Human Rights in India' for the fifth semester students from different departments in the college.
- All courses are outcome based.
- Dr. Sajan Thomas, Dr. Ronie Thomas, Mr. Thomas Mohan and Ms. Gouri Nair S. were participated (2022) in the syllabus revision workshop for BA Political Science organised by the Board of Studies (UG) in Political Science, University of Kerala.
- Dr. Sajan Thomas has participated (2020) in the in the syllabus revision workshop for MA Public Administration organised by the Board of Studies (PG) in Public Administration, University of Kerala.
- For UG courses, most sessions are conducted by the faculty in lecture mode (for 40 minutes) using conventional (board and chalk) and ICT-enabled methods. The remaining 20 minutes are utilised for, either, conducting Focused-Group Discussions or Seminar Presentations on

related topics. Students are also encouraged to do book reviews or film reviews based on the suggestions by the faculty. Group Assignments (where students are divided into multiple groups) and Field Trips are also integral parts of the lesson plan.

- For PG courses, students are given reading materials in advance to be perused and discussed in the class. For the Seminar Presentations, students are instructed to conduct it like a classroom session using all available learning resources. Problem-Solving Methods using Case Studies Learning is an essential component of Lesson Plans.
- The last four year average Student-Teacher ratio in the department is 29 : 1.
- The last four year average pass percentage for UG course is 81.63 and that of PG is 100.
- ICT-enabled pedagogical tools are used by the teachers frequently while engaging with the students in the classroom. Efforts have been taken to harness the possibilities and potential of multi-media content available for all courses taught by the faculty members. Besides the reading materials (as PDF files), images, podcasts and videos are also provided to students as additional learning resources. Separate google classrooms have been created for all student batches and multi-media learning content pertaining to each and every course is regularly updated in the classrooms. Students are instructed to submit their assignments online and assessment of the submissions are too done online.
- As part of fostering experiential learning and team work among students, they are divided into groups and real-life case studies relevant to their courses are given to them for application and analysis of their knowledge. For the final semester dissertation, students are taught to use online survey methods for data collection and result analysis.
- The Department organises special events to commemorate significant days where students interact with invited scholars of eminence and practitioners of repute.

Research, Consultancy & Extension

Today's department has a strong emphasis on developing an empirical research orientation, together with high pedagogical priority given to the key

concepts and theoretical frameworks of Political Science and Public Administration. Besides providing individual research supervision, the department offers students the opportunity to discuss their research projects with scholars of repute.

- Department of Political Science and Public Administration, St. John's College, Anchal has an MoU with The Indian Institute Of Public Administration (Kerala Chapter) for pursuing academic excellence, since 15/06/2020.
- Two faculty in the department have Ph.D degree.
- The faculty are competent with 9 national/international research publications.
- Research linkages have been created to enhance quality research.
- Dr Sajan Thomas has a novel titled "Doramma Viplavam" (2022) published by Chintha Publishers: Thiruvananthapuram, ISBN: 978-93-94753440. This book comes under the category of Ethnographic Fiction of Kannur and Mahathma Gandhi Universities in Kerala have organised academic events based on this novel.
- National Level Seminars are organized in the department to understand and popularize the advancement in different areas of the discipline.
- Dr. Titto Idicula, a Consultant Neurologist and Associate Professor at Norwegian University of Science and Technology (NTNU), Trondheim has established a linkage with Dr. Sajan Thomas in the department to collaborate for the dissemination of academic knowledge to the wider public.

Student Support, Progression & Faculty Improvement

- Mentoring is offered by the Department as a feature to support students in a variety of learning support programs. Special attention is given to students who have difficulties in performing in the University examinations.
- The Department is offering a 30 hour certificate course on 'Advances in Public Policy and Governance' for the students of St. John's College, Anchal and other colleges in Kerala. The Certificate is issued by Indian Institute of Public Administration, New Delhi.

- In 2019-20, the Department has organised an add-on course on 'Academic Writing' which aims to introduce the basics of penning academic prose in English using writing workshops and other student-centred teaching methods.
- The department extends its expertise and resources to support all the career guidance initiatives implemented at the college. The Department, in partnership with Centre for Gandhian Studies, organised PIONEERS, a Civil Services Orientation Programme for the students of the College on August 11, 2022. Sri. T P Sreenivasan IFS (Retd), former Indian Diplomat was the Chief Guest for the programme. Three successful candidates from Civil Services Examination, 2022 were felicitated on the occasion. Later, the winners interacted with the students and shared their exam preparation techniques and winning strategies.
- As part of the SEAL initiative, the department offers students the opportunity to discuss their research projects with scholars of repute of international and national level.
- The average number of students going for higher studies during the last 4 years is 12.
- Nearly 8-10 percent of our students usually get placements in the public and private sector.
- The faculty attend professional development programmes on a regular basis
- Majority of our undergraduate and post graduate students participate in the national and state level seminars/workshops organised by the Department and College on topics of socio-political relevance.
- Four students from other colleges enrolled in the certificate course on ADVANCES IN PUBLIC POLICY AND GOVERNANCE jointly organised by the Department of Political Science and Public Administration, St. John's College, Anchal and Indian institute of public administration— Kerala regional branch during the academic year 2021-22.
- HARDA M. L, a first year Political Science student, won 3rd Prize in the State level Essay Writing Competition held by the Kerala State Backward Classes Development Dept (BCDD), 2nd Prize in the Essay Competition conducted by Calicut University, 2nd Prize in the Essay Competition held under the auspices of the Indian Institute of Public

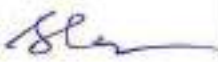


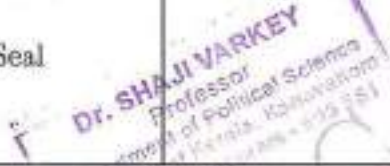


Administration, and 2nd Prize in the All Kerala Aksharasloka Competition.

- **AVANI D**, a first year Political Science student was the Finalist of Speak for India season 7 - Kerala edition (state level intercollegiate debate).

IQAC, SJC Anchal
AAA Report

Comments of the External Experts

- The department performs well in all aspects and the faculty are enterprising to organize academic and co-curricular programmes.
- Good pass percent
- The effective utilization of ICT is highlighted in the report, which mentions the provision of reading materials (in PDF format), images, podcasts, and videos as supplementary learning resources for students. This approach is commendable and worthy of emulation.
- The higher education and placement percentage of students can be enhanced.
- The auditors provided positive feedback on the Certificate Course, Add-on Course, etc.
- During the assessment period, the Department successfully organized seminars and lectures, marking a notable achievement.
- Should be upgraded as a Research Department with PG
- Local-level studies, surveys should be undertaken
- The auditors suggested creating an interactive web-based platform, akin to a Facebook page, for the Department could greatly enhance communication and engagement.
- Faculty achievements should be highlighted

Name of the Expert	Dr Shaji Varkey	Fr Dr Gigi Thomas	Dr Anoop Tom Thomas
Signature			
Seal			

IQAC, SJCA, Anchal
 AAA RPT

Department of Economics

Milestones:

- Year of Establishment:1996
- Year of elevation to UG department:2014

Programmes offered:

- BA Economics

Criteria-wise assessment

Teaching, Learning & Evaluation

- The Department of Economics offers core, complimentary and open courses. Complementary Courses offered for Political Science programme. The department offers one open course- Indian Economy since liberalization and one elective course - Kerala Economy.
- All courses are outcome based.
- Lesson plan is prepared by all the faculty members in the department
- The last four year average Student-Teacher ratio in the department is 13 : 1.
- The last four year average pass percentage of outgoing students is 72.44
- Teaching-Learning pedagogy involves Various Lecture method, Discussion Method, Power Point Presentation, Project, Study Tour etc
- Teachers in the department uses ICT enabled teaching methods.

Research, Consultancy & Extension

- Students in the department are encouraged to participate in various international/national seminars and workshops.

Student Support, Progression & Faculty Improvement

- The department offers three add-on courses
 - Budget Basics and Analysis (2020-21)
 - Goods and Service Tax Course(2021-22)
 - Introduction to Financial Markets(2022-23)

- Mentoring for all students is done in the department. Mentors diary was introduced in the year 2022.
- The average number of students going for higher studies during the last 4 years is nearly 11.

IQAC, SJC Anchal
AAA Report

Comments of the External Experts

- Possibility for improvement is high
- It is good that the department is offering three relevant add-on courses.
- The department has to augment its research presence by means of publications, conference presentations, publication of book chapters, consultancy, etc.
- The Department should collaborate with Economics Departments in neighboring colleges to form a cluster, which would academically benefit both entities.

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Department of Commerce

Milestones:

- Year of Establishment:1967
- Year of elevation to UG department:1967

Programmes offered:

- B. Com (Finance/ Co-operation)
- B. Com Accounts and Data Science

Criteria-wise assessment

Teaching, Learning & Evaluation

- **B.Com Finance:** The department provides a comprehensive three-year graduate program with Finance as its central subject. Throughout their academic journey, students gain exposure to a wide array of commerce-related disciplines, including Accounting, Management, Income Tax, Costing, and Informatics. Commerce department offers complimentary courses such as Managerial economics, Business Mathematics, E Business and Business Statistics. Furthermore, the department offers elective courses such as Income Tax and Cooperation to cater to diverse interests.
- **B.Com Accounts and Data Science:** The First-Degree Programme in Commerce with Accounts and Data Science (Double Major) is thoughtfully designed to provide a comprehensive framework, catering to students' needs in the fields of accounts and data science. This program equips students to effectively navigate the evolving landscape of the industrial and business sectors. It includes essential competencies such as preparing and interpreting financial statements and mastering data compilation, retrieval, and related processes.
- The department offers an open course titled - "Principles of Management"
- All courses offered by the department are outcome based.
- Lesson plan for every course is prepared considering the number of working days available in a semester, in accordance with academic calendar provided by the University of Kerala.

- The last four year average Student-Teacher ratio in the department is 40.5 : 1.
- The last four year average pass percentage for B.Com finance is course is 90.13
- The teaching-learning pedagogy involve conventional class room lecture, Group-wise Student Projects, Assignments, study trips, and seminars.
- Teachers in the department uses ICT enabled teaching methods.

Research, Consultancy & Extension


- There are 3 research publications and 15 research presentations for the faculty during the last four years.
- The department encourages students to participate in national seminars, webinars and workshops to improve the their understandings in various disciplines of Commerce and Industry.
- 48 students completed their internship in account firms and industries during the last four years
- the department has MoU's with the International Skill Development Corporation (ISDC),UK

Student Support, Progression & Faculty Improvement

- Mentoring for all students is done in the department and the mentoring report of all students kept in the department
- The average number of students going for higher studies is 15.25.
- Many students bagged placement in Government sector and a large number of pass out students are working in private sector jobs
- The faculty attend professional development programmes on a regular basis

Comments of the External Experts

- The department is performing well with a good number of students. The student: teacher ratio is above the expected benchmarks.
- The committee commends the department for its proactive approach in incorporating a cutting-edge curriculum, by the introduction of the B.Com Accounts and Data Science course.
- The consistently high pass percentage of 90.13 % for B.Com Finance over the last four years is a testament to the department's commitment to academic excellence.
- The department should consider introducing Postgraduate (PG) program to offer more comprehensive and advanced curriculum, catering to the academic needs of students seeking higher education in the field.
- The number of research publications and research projects need to be enhanced. The department should also think of offering consultancy services.
- Initiatives such as research collaborations and participation in conferences should be actively promoted.
- Efforts should be made to increase the proportion of faculty possessing doctoral degrees.
- The department needs to focus on enhancing the number of students undergoing internships. Collaborations with industry partners and securing more internship opportunities for students will provide valuable practical experience to students.
- To strengthen academic and research collaborations, the department should actively seek and establish more operational Memoranda of Understanding with reputed institutions, research centers, and industry partners.
- Attention needs to be directed towards improving student placement rates and the gross enrollment ratio for higher studies.
- The department should take proactive measures to organize national and international seminars, workshops, and conferences of academic importance.

Name of the Expert	Dr Shaji Varkey	Fr Dr Gigi Thomas	Dr Anoop Tom Thomas
Signature			
Seal			

IQAC, SJG Ancoral
AAA PG

Department of Mathematics

Milestones:

- Year of Establishment:1964
- Year of elevation to UG department:1967
- Year of elevation to PG department:1995

Programmes offered:

- B. Sc Mathematics
- M. Sc Mathematics

Criteria-wise assessment

Teaching, Learning & Evaluation

- The Department of Mathematics St. Johns college Anchal provides the UG and PG courses. There are Core and complementary courses in UG programmes. Complementary Courses offered for Physics and Chemistry students during the four semester periods. The Open Course offered in the fifth semester.
- All courses are outcome based.
- Four teachers in the department participated in the Kerala University PG Syllabus revision workshop. Two teachers participated in the Kerala University UG Syllabus revision workshop.
- Lesson plan is prepared by all the faculty members in the department
- The last four year average Student-Teacher ratio in the department is 23 : 1.
- The last four year average pass percentage for UG course is 83.47 and that of PG is 72.86.
- Teaching-Learning pedagogy involves conventional board and chalk teaching, experiential learning such as project work, assignment, seminar and peer group learning.
- Teachers in the department uses ICT enabled teaching methods.

- Most of the faculty in the department attended e-content development workshops and training classes.

Research, Consultancy & Extension

- The department has an MoU with the department of Mathematics, SN College, Punalur in order to enhance academic activities.
- Dr. Dilip D S, is a research guide under the University of Kerala and he has 4 research students.
- Five out of eight faculty in the department have Ph.D degree. The remaining three are about to finish their Ph.D.
- The faculty are competent with 14 international research publications.
- Research linkages have been created to enhance quality research.
- National Level Seminars are organized in the department to understand and popularize the advancement in different areas of Mathematics. Workshops in the areas of SAGEMATH, R Programming and Python Programming are conducted for the skill development of faculty and students.

Student Support, Progression & Faculty Improvement

- Mentoring for all students is done in the department and the mentoring report of all students kept in the department
- The department offers one add-on course - Typesetting software -LaTeX, one certificate course- Basics in Python and one value added course-Advanced LaTeX.
- The Department is conducting JAM coaching classes for UG students in collaboration with SN College, Punalur. NET Coaching is conducting for PG students.
- The average number of students going for higher studies is 15.
- Three students bagged placement in Government sector and a large number of pass out students are working in private sector jobs
- The department conducts workshops in collaboration with IT companies in order to improve the employability of students.

- The faculty attend professional development programmes on a regular basis
- The department offers internship facility for students of other institution. Two students from Madras Christian College, Chennai did their internship in the department in 2022.
- The department conducts Golden Jubilee Memorial Mathematics Inter-collegiate Quiz competition in each year.
- Students in the department are encouraged to participate in the seminars and workshops offered by national institutes and colleges.

IQAC, SJC Anchole
AAA Report

Comments of the External Experts

- The department is performing well.
- The research output also is good.
- More academic collaborations and MoUs may be established.
- Given that we have five Ph.D. holders, the department should strive to attain Research Department status.
- Should focus on the placement of students.
- Initiate training programmes that offer industrial exposure.

Name of the Expert	Dr Shaji Varkey	Fr. Dr Gigi Thomas	Dr Anoop Tom Thomas
Signature			
Seal			

Department of Physics

Milestones:

- Year of Establishment:1964
- Year of elevation to UG department:1995

Programmes offered:

- B.Sc Physics

Criteria-wise assessment

Teaching, Learning & Evaluation

- The Department of Physics St. Johns college, Anchal provides Core and complementary and open courses in UG programmes. Complementary Courses offered for Mathematics and Chemistry students during the four semester periods. The Open Course offered in the fifth semester.
- All courses are outcome based.
- Lesson plan is prepared by all the faculty members in the department
- The last four year average Student-Teacher ratio in the department is 13.2 : 1.
- The last four year average pass percentage for UG course is nearly 50
- Teaching-Learning pedagogy involves conventional board and chalk teaching, experiential learning such as project work, assignment, seminar and peer group learning.
- Teachers in the department uses ICT enabled teaching methods.
- Most of the faculty in the department attended e-content development workshops and training classes.

Research, Consultancy & Extension

- All faculty in the department possess a Ph.D degree
- The faculty has 10 UGC - CARE listed research publications.
- Research linkages have been created to enhance quality research.

- National Level Seminars are organized in the department to understand and popularize the advancement in different areas of Physics



Student Support, Progression & Faculty Improvement

- Mentoring for all students is done in the department and the mentor's diary of all students kept in the department
- The average number of students going for higher studies is 6.
- Many of the pass out students are working in public/private sector organizations
- The faculty attend professional development programmes on a regular basis

IQAC, SJC Anchal
AAA Report

Comments of the External Experts

- The faculty have 10 publications in CARE listed journals.
- More publications and presentations should be produced.
- Internship for students is highly recommended.
- The department try to elevate as a PG department.

Name of the Expert	Dr Shaji Varkey	Fr Dr Gigi Thomas	Dr Anoop Tom Thomas
Signature			
Seal			

Department of Chemistry

Milestones:

- Year of Establishment:1967
- Year of elevation to UG department:1982
- Year of elevation to PG department:2013
- Year of elevation to Research department:2019

Programmes offered:

- BSc Chemistry
- MSc Chemistry
- Ph. D in Chemistry

Criteria-wise assessment

Teaching, Learning & Evaluation

- B. Sc Degree programme in Chemistry is outcome based and under Choice Based Credit System consisting of six semesters having 37 courses comprising core, complimentary and open courses.
- M.Sc. degree is based on Semester System extending over a period of two academic years comprising of four semesters having 17 courses including theories and practicals. Dissertation work and R & D visits cover this programme.
- All courses of UG and PG are outcome based.
- The faculty members of the department provide critical suggestions and modifications to the concerned authority during syllabus revision.
- Lesson-plan for every course is prepared considering the number of working days available in a semester, in accordance with academic calendar provided by the University of Kerala.
- The last four year average Student-Teacher ratio in the department is 12 : 1.

- The last four year average pass percentage for UG course is 79.7 and that of PG is 74.7.
- In order to develop critical and innovative thinking, student centered teaching learning processes are grown at the department level. Some prefer experiments-based teaching-learning process including class room experiments or virtual lab supported experiments, some others prefer case study-based teaching- learning process, while others prefer power point/e-resource based teaching learning process. We included outcome-based teaching learning process. NPTEL and MIT lectures-based discussions are included in the class room sessions so that students will get national/ international outlook on the subjects.
- The evaluation procedure is done effective implementation of the internal assessment examinations. Students are evaluated periodically through innovative techniques such as Class tests, student presentations, group discussions, assignments, analytical tests, practical experiments, well defined internal examinations and projects.
- Teachers in the department uses ICT enabled teaching methods.
- Most of the faculty in the department attended e-content development workshops and training classes.

Research, Consultancy & Extension

- The department of chemistry, St. John's College, Anchal has been recognized as a Research Center under the University of Kerala in 2019. Currently, the department has 5 research guides and 8 research scholars (3 full-time and 5 part-time research scholars).
- The department of chemistry was recognized under DBT star scheme in 2015. In 2016, the department of chemistry received the DST-FIST support in its research activities. The recognition and financial support from DBT and DST enabled the department to be equipped with sophisticated instruments including UV-Visible spectrophotometer, Gas chromatograph and electrochemical workstation.
- Five out of eight faculty in the department have Ph.D degree. The remaining three are about to finish their Ph.D.
- The thrust areas are heterogeneous catalysis, material science, renewable energy, environmental chemistry, photocatalysis, electrocatalysis, inorganic complexes, computational chemistry

- The department was successful in running major and minor research projects, funded by CSIR and UGC.
- The faculty members of the department have published more than 75 research papers in reputed research journals, several book chapters and 3 patents.
- Research linkages have been created to enhance quality research.
- The department has organized several major and minor events such as UGC sponsored National Symposium in Chemistry, a series of lectures that are relevant to graduate and post-graduate study and interdisciplinary research interest, mega exhibition etc.
- In 2021, Mr. Sivaraj R (Research Scholar) participated in the International Webinar entitled "Electrochemists: The future coders of Energy Conversion Science and Technology" at KMG College of Arts and Science, Gudiyattam (18.07.2021).
- In 2022, 10 students participated in 'Research Orientation and Students Enrichment Programme- Conscientia 2022', jointly organized by the Department of Chemistry and TLC,TKM College of Arts and Science, Kollam (04.07.2022).
- Mr. Vishnu of M.Sc (2017-19) did internship at Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bengaluru. Ms. Anjana (PG), Mr. Sunesh (Research Scholar) and Mr. Sivaraj (Research Scholar) completed their internship from National Chemical Laboratory (NCL), Pune in 2020 and 2021 respectively. In 2023, Ms. Anju-Mathew completed internship at CSIR-Central Electrochemical Research Institute (CSIR-CECRI), Karaikudi.
- Ms. Krishnaprabha, from Govt. College, Kattappana did M.Sc Project with Dr. Thomas Mathew during 2018-2020.
- The department extends its research facilities and consultancy services to postgraduate students, research scholars and faculty members of other colleges and universities (UV-Visible Spectrophotometer, Electrochemical workstation) and generates revenue from these services.

Student Support, Progression & Faculty Improvement

- There is one certificate course is offered from the Department titled as, "Certificate Course in Chemical Laboratory analysis and instrumentation methods". It is a 50-hour certificate course in Chemical Laboratory

analysis and instrumentation methods. This certificate course is industry and research-oriented programme to attract more chemistry-based industries in to our college for campus placements.







- One value added course is running in our department titled as "Software Tools Essential for Chemical Sciences". It is a 40 hour course to equip the students with essential software tools. It includes excel, origin, chemcraft, chemdraw, Gaussian, interpretation of XRD data, interpretation of XPS data and interpretation of TEM images. A total of 12 students are joined and successfully completed this course.
- The department conducts GATE, IIT-JAM and NET coaching. 5 students actively participated the coaching. Two of them cleared IIT-JAM and one cleared GATE.
- Mock interviews are also conducted by the faculty to enhance student confidence and interview skills.
- Remedial tutorials are focused at supporting learners in small groups so that teachers can provide individual support.
- The department provides special care to students with special needs and also from socially and economically weaker sections.
- From 2018-22, the Department has been organizing the workshop 'HEAM Parliamentarian' under the SEAL initiative. The Department ensures active participation from all the students.
- Faculties of chemistry department have attended several short term training programmes, FDPs and orientation programmes on Accreditation and Outcome Based Education, Online Learning and Content Development, ICT tools in teaching Chemistry.
- The average number of students going for higher studies from the department is 13.3
- During the learning period itself many of our students won National/ State level competitive exams. Mr. Jishnu P K (2017-20) passed the IELTS examination. Ms. Arathy (2018-21) got CSIR- NET while pursuing her MSc. Ms. Najuma Noushad and Ms Akshara Mohan (2020-23) cleared JAM 2023. They also cleared Kerala university entrance examination and Central university entrance examinations. Ms. Aparna Vijayakumar cleared GATE 2022; and Ms. Linsu Sara Abraham passed the IELTS exam.

- There is a remarkable placement outcomes for the students in both public and private sectors. Mr. Sangeeth (UG 2017-2020) and Ms. Malavika CS (2016-2018) are working in the Postal department. Ms. Sreelekshmi (2018-2020) is working as Auditor, Kerala State Dewasom board. Ms. Siji Thomas (2020-2022) is working as a teacher at Kalayapuram, Mar Ivanios School. Many of our students are working in the private sector too.

IQAC, SJC Anchal
AAA Report

Comments of the External Experts

- Overall assessment shows excellence.
- The department of Chemistry has established itself as a strong research department and has good output in teaching learning, research, student training, placement, progression to higher studies, etc.
- There are a good number of research publications.
- Placement of students need to be improved.
- Student pass percent need to be improved.

Name of the Expert	Dr Shaji Varkey	Fr Dr Gigi Thomas	Dr Anoop Tom Thomas
Signature			
Seal	 <p>Dr. SHAJI VARKEY Professor Department of Political Science University of Kerala, Kariavattom Thiruvananthapuram - 695 581</p>	 <p>Fr. Dr. GIGI THOMAS Associate Professor & Head Dept. of Mathematics Mar Ivanry College (Autonomous) Thiruvananthapuram</p>	 <p>RESEARCH B.G. DEPT. OF COMMERCE ST. DOMINIC'S COLLEGE THIRUVANANTHAPURAM</p>

Department of Botany

Milestones:

- Year of Establishment:1964
- Year of elevation to UG department:1967

Programmes offered:

- B. Sc Botany

Criteria-wise assessment

Teaching, Learning & Evaluation

- The department offers three-year graduate program with botany as the core subject. During the course of study students are able to come across various aspects of plant science from plant taxonomy to biotechnology to nanobiotechnology. The department also offers complimentary course to B Sc Zoology main students for first four semesters which includes four theory papers and one practical paper.
- The department offers an open course titled 'Horticulture' which provides the students deep learning on plant cultivation, plant propagation, plant breeding, production of crops and plant physiology.
- All courses are outcome based.
- Dr. Kavitha C H participated syllabus revision of FDP Botany under CBCSS organized by the Board of studies (Pass) University of Kerala. 25-27th July, 2018. She also participated UG first degree program in Botany and Double main First-Degree Programme in Botany and Ayurvedic Pharmacy- Syllabus revision during 14th & 15th February 2022.
- Lesson plan is prepared by all the faculty members in the department
- The last four year average Student-Teacher ratio in the department is nearly 30 : 1.
- The last four year average pass percentage of the outgoing students is 75.27

- Teaching-Learning pedagogy involves conventional board and chalk teaching, experiential learning such as project work, assignment, seminar and peer group learning.
- Teachers in the department uses ICT enabled teaching methods.

Research, Consultancy & Extension







- Three out of four faculty in the department have a Ph.D degree. Mr. Jerry C Jacson in doing his Ph.D.
- The faculty have 3 research publications during the last four academic years.
- The department conducts seminars and exhibitions to improve the student understanding about the core topics.

Student Support, Progression & Faculty Improvement

- Mentoring for all students is done in the department and the mentoring report of all students kept in the department
- The average number of students going for higher studies is 7.5.
- Many outgoing students got placement in government and private sector organizations during the last four years.
- The faculty attend professional development programmes on a regular basis
- Archana Satheesan 2019 pass out student who pursued M.Sc Botany in S N College ,Kollam has cleared CSIR-NET exam in the year 2022.

Comments of the External Experts

- The number of research publications is not adequately enough. It has to improve.
- As an undergraduate department, it has the potential to launch training programs aimed at preparing students for national-level entrance exams for postgraduate studies.
- More field visits should be organized.

Name of the Expert	Dr Shaji Varkey	Fr Dr Gigi Thomas	Dr Anoop Tom Thomas
Signature			
Seal			

Department of Zoology

Milestones:

- Year of Establishment:1964
- Year of elevation to UG department:1967

Programmes offered:

- B. Sc Zoology

Criteria-wise assessment

Teaching, Learning & Evaluation

- The department offers core courses, complementary courses, open and, elective course to students
- All courses are outcome based.
- Lesson plan is prepared by all the faculty members in the department
- Dr. Josin C Tharian has participated in the syllabus revision workshop in 2022-23.
- The last four year average Student-Teacher ratio in the department is nearly 23 : 1.
- The last four year average pass percentage of the outgoing students is 69.5
- Teaching-Learning pedagogy involves conventional board and chalk teaching, experiential learning such as project work, assignment, seminar and peer group learning.
- The department has a well-equipped laboratory, Museum with vast collection of invertebrate and vertebrate specimens and a Laboratory for systematics and conservation
- Teachers in the department use ICT enabled teaching methods.

Research, Consultancy & Extension

- All faculty in the department holding a Ph. D degree.







- There are 19 publications for the faculty in the department in UGC care listed and peer reviewed journals.

Student Support, Progression & Faculty Improvement

- Mentors are assigned for each batch of students and Mentor's diary for individual students is kept in the department.
- The average progression of outgoing students to higher education is 9.3
- A certificate course on Aquarium management and ornamental fish culture is conducting in the department.
- The faculty of the department regularly attend professional development programmes.
- Students in the department participate in skill improvement training programmes conducted by other colleges and institutions.
- 12 students did internship in KUFOS during the period 2018-21.
- One student of the department qualified UGC NET.
- Outgoing students are placed at public and private sector organizations and companies.

Comments of the External Experts

- The department has good research output. More MoUs and collaborations may be established.
- The department has to try to be upgraded to a PG department.
- Pass percentage need to be improved.
- Students should be encouraged to participate in internship and training programs organized by institutes of national importance.

Name of the Expert	Dr Shaji Varkey	Fr. Dr. Gigi Thomas	Dr Anoop Tom Thomas
Signature			
Seal	 <p>Dr. SHAJI VARKEY Professor Department of Political Science University of Kerala, Zariyattom Thiruvananthapuram - 695 061</p>	 <p>Fr. Dr. GIGI THOMAS Associate Professor & Head Dept. of Mathematics Mar Ivanios College (Autonomous) Thiruvananthapuram</p>	 <p>RESEARCH P.S. DEPT. OF COMMERCE MAR IVANIOS COLLEGE THIRUVANANTHAPURAM</p>

Department of Environmental Science

Milestones:

- Year of Establishment:2001
- Year of elevation to PG department:2010

Programmes offered:

- M. Sc Environmental Science

Criteria-wise assessment

Teaching, Learning & Evaluation

- All courses are outcome based.
- **Academic Flexibility:** Articulate the inter disciplinaryity of Environmental Sciences and appreciate the inter connectedness of Environment in various other Science and Art subjects and to explain the laws of earth and nature to explain unique occurrences. Translate the theoretical and practical knowledge acquired to prevent disasters and alleviate the aftereffects in case of occurrence, solve issues of pollution and take mitigatory measures for climate change.
- **Employability:** Work in various fields such as Effluent Treatment Plants of various Industries/Companies/Factories, Municipal Councils/Corporations, Central Pollution Control Board, State Pollution Control Boards, National Research Institutes/Organizations/ Laboratories, NEERI, EIA, GIS, Environmental Monitoring Projects and as Environmental Consultants
- All faculty in the department actively participate in syllabus revision workshops of the University of Kerala
- Lesson plan is prepared by all the faculty members in the department. Creating a lesson plan for a course in Postgraduate (PG) Environmental Sciences involves careful consideration of the course's objectives, content, and the needs of the students. To provide students with a comprehensive understanding of environmental sciences and the ability to analyze and address contemporary environmental issues.

- The last four year average Student-Teacher ratio in the department is 5 : 1.
- The last four year average pass percentage of the outgoing students is 100
- The teaching-learning pedagogy in the department, include experimental learning methods such as student projects, study trips, assignments, subject quizzes, and group discussions throughout the programme. The choice of pedagogical methods and experimental learning approaches are aligned with the learning objectives, the subject matter, and the needs and preferences of the students.
- Teachers in the department uses ICT enabled teaching methods.

Research, Consultancy & Extension

- Dr. Brilliant Rajan, Dr. Kaldevi V and Dr. Anila George have research guideship in University of Kerala and they are guiding 3 full-time research scholars.
- All faculty in the department holding a Ph.D degree.
- The faculty are competent with 47 research publications out of which 19 are in UGC-CARE listed Journals. 5 publications are in international journals.
- Research linkages have been created to enhance quality research.
- **Research Facilities:** The Department is equipped with lab facilities such as Chemistry Laboratory, Microbiology Laboratory, Laboratory facilities for all branches of Ecological studies.
- **Water Quality Testing Laboratory:** Commercial Licensed Laboratory of Kerala State Pollution Control Board
- **Department library:** Reference books and Journals available in the department library
- **The instrumental facilities:** Atomic Absorption Spectrophotometer, Sound level meter, Orbital / Rotary Shaker – CE Marked Water Distillation System – Mono Quartz, Rectangular Laboratory Hot Plate, Automatic COD Digestion System, Visible Spectrophotometer, Thermal Cycler (PCR), Water Distillation System – Mono Quartz, UV

Visible spectrometer-PC based, Centrifuge Remi PR-24, Eutech Multiparameter equipment for pH, Conductivity, TDS, and Salinity-PC 2700, Digital Colony counter for Bacteriology, Nephelometer, Flame photometer, Bacteriological Incubator, Olympus camera mount microscope- CX21i, Colorimeter, Stereoscope, Centrifuge, Autoclave Laminar UV/ Airflow Chamber, BOD Incubator, Magnetic Stirrer, Kjeldahl Distillation Unit, Deep Freezer, Hot-Air Oven, Water Bath, Microscope, Orbital Shaker




- Kerala State Pollution Control Board Approved Training and Consultancy laboratory for Environmental Analysis 'C' Type - Commercial Category in Consultancy for Water/Waste water Analysis.
- 54 students in the department did internship outside the institution.
- The department had one MoU in the year 2019-20.

Student Support, Progression & Faculty Improvement

- Mentoring for all students is done in the department and the mentoring report of all students kept in the department
- The department conducts five certificate courses to enhance the employability of students.
- Students from B.Sc Chemistry and B.Sc Mathematics attended the Certificate Course on Water Quality Analysis. A total of 47 Students benefited by this course.
- 21 students in the department got placement in Public/private sector during the last four years.
- The faculty attend professional development programmes in order to achieve academic and research excellence.

Comments of the External Experts

- The department has a very healthy student-teacher ratio.
- The number of students participating in internships is satisfactory.
- The department is functioning well in all aspects, especially in research and publication related matters.
- Students are trained in various ancillary skills.
- Take the necessary steps to establish the department as a research department.

Name of the Expert	Dr Shaji Varkey	Fr. Dr Gigi Thomas	Dr Anoop Tom Thomas
Signature			
Seal	