



**INTERNAL QUALITY
ASSURANCE CELL**



ANNUAL REPORT

**CATHOLICATE COLLEGE
PATHANAMTHITTA**

2023-24

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CATHOLICATE COLLEGE PATHANAMTHITTA KERALA- 689645

NAAC Reaccredited A⁺⁺ Grade with CGPA 3.53

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Affiliated to Mahatma Gandhi University, Kottayam, Kerala



ANNUAL REPORT 2023-2024





ABOUT THE COLLEGE

Catholicate College, Pathanamthitta, established in 1952, stands as a beacon of academic excellence and holistic development, nestled in the tranquil Basil Hills. As an institution affiliated with Mahatma Gandhi University, Kottayam, and under the esteemed Corporate Management of the Malankara Orthodox Church, the college has continually evolved, embracing both tradition and innovation. Spread over 23 acres, the eco-friendly campus is equipped with state-of-the-art infrastructure, providing an ideal environment for nurturing intellect and character.

With a dedicated faculty of 121 full-time teachers, including 54 Ph.D. holders, Catholicate College serves a vibrant community of 1,600 students across 13 undergraduate and 15 postgraduate programs, including four self-financing programs, an integrated MA (Aided), and 10 Ph.D. programs. The college's commitment to quality education is evidenced by its recent reaccreditation with an A++ Grade in the 4th Cycle by NAAC, achieving a remarkable CGPA of 3.53. The institution's academic prowess is further highlighted by its NIRF ranking within the 150-200 band.

Catholicate College is not just an academic institution but a dynamic hub of innovation and societal impact. The college has filed a patent, and serves as an NPTEL-SWAYAM Local Chapter, an IIRS Nodal Centre, and a Nodal Centre for Virtual Labs. It is also a co-incubation centre under M.G. University, fostering academia-industry collaboration in line with the National Education Policy (NEP) framework. The college's dedication to lifelong learning is further reflected in its role as a Study Centre for IGNOU, offering distance education programs.

The college's ethos extends beyond academics to community service and ecological conservation. One NCC Cadets participated in Republic Day parade. The NSS Unit has been recognized as the Best NSS Unit for impactful initiatives such as the Red Ribbon Club for blood donation and the revitalization of village libraries. In sports and games, the college has secured the third position within M.G. University, showcasing its commitment to physical well-being.

In alignment with its mission to foster holistic education, Catholicate College has implemented Outcome-Based Education since 2019, ensuring that students are well-equipped for the challenges of the modern world. Signature ventures like CATH GREEN, aimed at ecological conservation and carbon sequestration, and the CATHOLICATE BRIGADE, focused on disaster management and community building, are testament to the college's proactive approach to societal issues. Additionally, initiatives like the Curiosity Council, CATH IDEATHON, and a Lightning Alert System underscore the college's commitment to innovation and safety. Catholicate College's membership in the United Nations Academic Impact further solidifies its dedication to academic excellence and social upliftment, as it continues to be a guiding light in the educational landscape of Kerala and beyond.

INTERNAL QUALITY ASSURANCE CELL

The pursuit of academic excellence is an ongoing journey that necessitates structured and sustained efforts. IQAC plays a pivotal role in ensuring and enhancing the quality of education within higher educational institutions. It impacts the policy-making and governance of a college by fostering a culture of continuous improvement and ensuring that the institution adheres to high standards of quality.

As the IQAC Coordinator, I am delighted to lead a vibrant team of enlightened and committed faculty, staff students and various stakeholders. Your academic journey is our priority and IQAC works tirelessly behind the scenes to ensure that you receive the best education possible. It is my privilege to elucidate the remarkable contributions of the IQAC in fostering academic excellence and quality enhancement during the last academic year.

IQAC Composition

Chairperson

Dr. Sindu Jones, Principal

Co-ordinator of IQAC

Dr. George Thomas, Assistant Professor, Department of Physics

Teaching Faculty

Prof. (Dr.) Susha D, Professor, Department of Mathematics

Dr. Shyni T Alexander, Associate Professor, Department of Economics

Prof. (Dr.) Binoy T Thomas, Professor, Department of Botany

Dr. Anu P T, Assistant Professor, Department of Malayalam

Smt. Liji Koshy, Assistant Professor, Department of Zoology

Dr. Asha Philipose, Assistant Professor, Department of English

Dr. Saino Hanna Varghese, Assistant Professor, Department of Chemistry

Dr. Beena Koshy, Assistant Professor, Department of Mathematics

Dr. Preethy Soosan Thomas, Assistant Professor, Department of Chemistry

Dr. Sanu Thomas, Assistant Professor, Department of Hindi

Sri. Vivek Jacob Abraham, Assistant Professor, Department of History

Capt. Jijo K Joseph, Assistant Professor, Department of Physical Education

Dr. Soosen Samuel M, Assistant Professor, Department of Physics

Dr. Vinod K Raju, Assistant Professor, Department of Commerce

Senior Administrative Officers

Smt. Annu L Punoose (Librarian)

Mr. Biji Kunchacko (Senior Superintendent)

Member from the Management

Dr. George Varughese Koppa (Former Principal, Catholicate College, Pathanamthitta)

Nominees from the Local Society/Alumni/ Employers /Industrialists/PTA

Prof. (Dr.) V P Mahadevan Pillai (Former Vice-chancellor, University of Kerala)

Sri. K S Rajendrakumar IAS (Alumni Representative)

Dr. Balu P Maliakel (MD Akay Natural Ingredients Pvt. Ltd.)

Sri. Shanu Philip (PTA Representative)

Nominees from the Student Community

Ms. Aleena Ann Jacob, IInd Year MSc Physics

Ms. Aleena Anna Cheriyan, IVth Year Integrated MA English

BASIC INFORMATION

1. Total Departments : 14
2. Total Teaching staff members : 107
Permanent: 84 On Contract : 23
Male: 31 Female : 76
3. Total Sanctioned posts : Principal - 01
Permanent - 83
Management -23
4. Total staff with PhD : 53
5. Total Programmes Offered : Undergraduate - 13 Aided: 11
Postgraduate – 15 Aided: 13
Integrated -01
6. Research Centres : 10
7. Total Value added /Cert. courses offered : 11
8. Total students (2023-24) : 1844
UG: 1434 M:613 F: 821
PG:379 M:105 F:274
IC: 31 M:10 F: 21
9. Whether college has ISO certification : No
10. College working hours : 09:30 am to 03:30 pm
11. Do the institution has a strategic Plan : Yes
12. How many teachers are trained mentors : 46
13. Pass Percentage : 65%
14. Average enrolment percentage for the last five years: 77%
15. Student – Teacher Ratio : 1:14
16. Mentor student ratio : 1:15
17. Total number papers published : 68



IQAC INITIATIVES FOR FOSTERING ACADEMIC EXCELLENCE

IMPLEMENTATION OF THE FOUR-YEAR UNDERGRADUATE PROGRAMME (FYUGP)

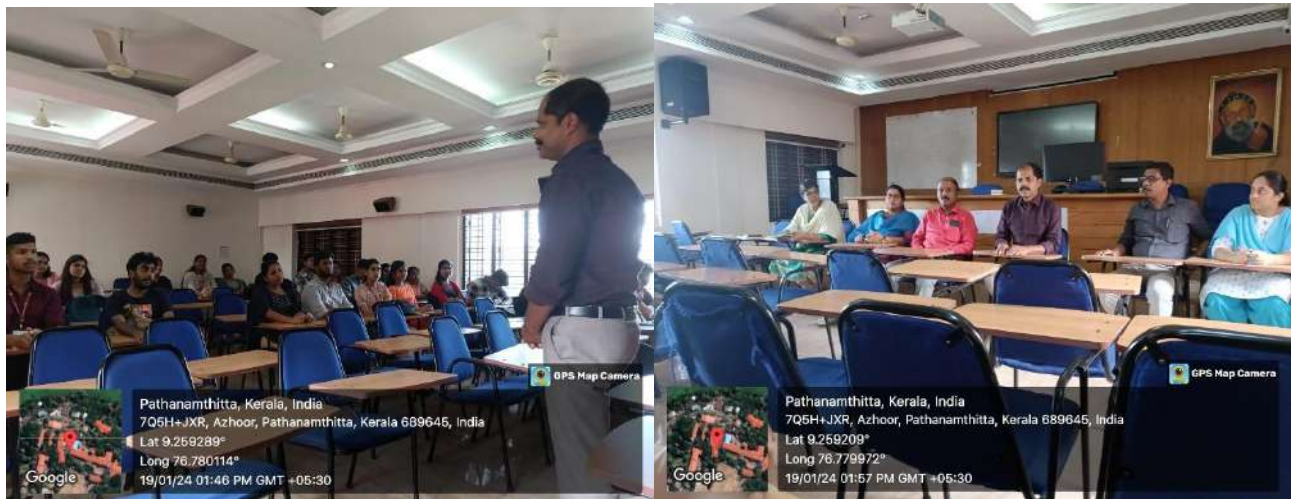
The IQAC facilitated the implementation of the Four-Year Undergraduate Programme (FYUGP) in alignment with the Mahatma Gandhi University Undergraduate Programmes (Honours) Regulations, 2024. The introduction of FYUGP marks a significant shift towards global standards in undergraduate education, with a focus on comprehensive learning outcomes, continuous assessment, and enhanced student engagement in academic activities. This initiative underscores the institution's commitment to adopting innovative educational practices and maintaining high academic standards.

The IQAC organized four Faculty Development Programs (FDPs) to ensure faculty members are well-equipped to deliver the new curriculum effectively. These FDPs focused on innovative teaching methodologies, assessment techniques, and the integration of technology in the classroom, contributing to the enhanced quality of education offered.

- Seminar on Regulations and Framework for FYUGP
- Brain based approach to Teaching and Learning
- Fostering Excellence: NEP- Driven College Readiness
- MGU-UGP (Honours) Zonal Training for Teachers in Association with M G University, Kottayam

CATHOLICATE BUSINESS INNOVATION AND INCUBATION CENTRE (CATH-BIIC)

The Catholicate Business Innovation and Incubation Centre (CATH-BIIC) is a testament to our commitment to fostering entrepreneurship and innovation. Supported by the IQAC, CATH-BIIC provides a platform for students and faculty to develop innovative business ideas, offering mentorship, resources, and networking opportunities. This initiative not only enhances the entrepreneurial spirit among students but also contributes to the socio-economic development of the community.



THE STUDENT QUALITY ASSURANCE CELL (SQAC)

The Student Quality Assurance Cell (SQAC) is an integral part of the IQAC, designed to involve students directly in the quality assurance processes. This initiative empowers students to voice their feedback, contribute to quality enhancement measures, and actively participate in the institutional development. SQAC conducts regular meetings to gather insights from the student body, ensuring their perspectives are incorporated into our quality assurance framework.



ACCREDITATION AND RANKING REPORTS

The preparation of accreditation and ranking reports, including those for NAAC, NIRF, and KIRF, is a pivotal responsibility of the Internal Quality Assurance Cell (IQAC). These reports are more than mere formalities; they serve as comprehensive reflections of our institution's commitment to maintaining and enhancing quality standards across all dimensions. By meticulously gathering, analyzing, and documenting data, we ensure that our institution remains transparent and accountable to all stakeholders. This process is not just about showcasing our achievements but also about identifying areas where we can further elevate our standards. Through this rigorous exercise, we demonstrate our adherence to national and international benchmarks, which in turn fortifies our reputation and standing. Moreover, these reports provide invaluable insights that guide our strategic planning and continuous improvement initiatives. The dedication and collaborative effort involved in preparing these reports underscore our commitment to excellence and our resolve to foster a culture of quality that permeates every aspect of our academic and administrative functions.



PARTICIPATION IN SURVEYS

Participation in national surveys such as the All-India Survey on Higher Education (AISHE) and the Annual Keralite Higher Education Survey (AKHES) is not just a procedural task but a cornerstone of our institution's commitment to maintaining and enhancing the quality of education we provide. These surveys serve as critical benchmarks that allow us to measure our performance against both regional and national standards, offering valuable insights into our strengths and areas for improvement. The Internal Quality Assurance Cell (IQAC) plays a pivotal role in this process by meticulously coordinating the collection, verification, and submission of data. This rigorous approach ensures that the information we provide is both accurate and comprehensive, reflecting the true state of our academic environment. Timely submission of this data is crucial, as it feeds into broader strategic planning and policy formulation at the institutional level. By actively participating in AISHE and AKHES, we not only comply with regulatory requirements but also align our goals with the national agenda for higher education, thereby contributing to the collective effort of raising the standards of education across the country.



CATH HERALD- CATHOLICATE COLLEGE MEDIA & FILM CLUB

The Media & Film Club, under the guidance of the IQAC, nurtures the creative talents of students interested in journalism, photography, videography, and other media-related fields. The club organizes workshops and invited lectures and offers media coverage of college events, providing hands-on experience besides fostering a professional approach to media and communication.



ACADEMIC AUDITING

Regular academic audits are conducted to evaluate the effectiveness of our academic processes and programmes. The IQAC oversees these audits, ensuring that they are thorough and objective. The findings from these audits help in refining our academic strategies, improving course delivery, and enhancing overall educational quality (Annexure IV).

Audit Objectives:

1. Assess the effectiveness of teaching-learning processes.
2. Evaluate the implementation of academic Programmes and curriculum.
3. Review the adequacy of infrastructure and learning resources.
4. Examine the measures taken for student support and progression.
5. Validate the department's efforts towards continuous improvement.



FEEDBACK COLLECTION

The college places a high value on the continuous collection of feedback from students, faculty, and other key stakeholders, a process that is diligently facilitated by the Internal Quality Assurance Cell (IQAC). This ongoing initiative is integral to maintaining and enhancing the quality of education and overall campus experience. A cornerstone of this effort is the Student Satisfaction Survey, a systematic tool designed to capture comprehensive feedback on various aspects of the college environment.

Through carefully structured feedback mechanisms, the college is able to obtain detailed insights into the effectiveness of its teaching methodologies, the relevance and rigor of its curriculum, the adequacy of its infrastructure, and other critical elements that contribute to student and faculty satisfaction. These insights are invaluable, providing the college with the necessary data to make informed, strategic decisions. This enables the institution to address any areas of concern promptly, implement corrective measures, and continuously improve the academic and campus experience. The feedback process not only reflects the college's commitment to quality but also ensures that it remains responsive to the evolving needs of its community, ultimately fostering an environment of excellence and innovation. (Annexure V).

PROMOTION OF NCC, NSS, CATH BRIGADE AND SPORTS ACTIVITIES

The Internal Quality Assurance Cell (IQAC) at our college is deeply committed to fostering the comprehensive development of students by actively promoting various extracurricular and co-curricular activities. Among these, the National Cadet Corps (NCC), National Service Scheme (NSS), and the Cath Brigade for disaster management hold a special place. These initiatives are pivotal in shaping students into well-rounded individuals who are not only academically proficient but also socially responsible and physically fit. The NCC and NSS programs are particularly instrumental in instilling a sense of discipline, patriotism, and service among students, encouraging them to contribute positively to society. Similarly, the Cath Brigade equips students with essential skills in disaster management, preparing them to act swiftly and effectively in times of crisis.

In addition to these, our college offers a robust array of sports programmes that play a crucial role in enhancing students' physical well-being and fostering a spirit of teamwork and perseverance. IQAC ensures that these activities are not only well-supported but also recognized for their importance in the students' overall growth. By providing the necessary resources and encouragement, IQAC strives to create an environment where students can excel in these areas. This commitment to promoting extracurricular excellence underscores our dedication to nurturing future leaders who are disciplined, socially conscious, and physically capable, ready to face the challenges of the world. (Annexure VI).



List of the programmes conducted during the academic year 2023-24

Sl.No.	Date	Convenor & Co-ordinator	Title of the Programme
1.	18.11.2023	Dr. Binoy T Thomas	Seminar on Regulations and Framework for FYUGP
2.	13.12.2023	Dr. Binoy T Thomas	Brain based approach to Teaching and Learning
3.	09.01.2024	Dr. Vinod K Raju	Be the CEO of Future in association with Carrer Guidance and Placement Cell
4.	09.01.2024	Dr. Vinod K Raju	Crafting the Blue Print of Academic Inquiry in association with Department of Commerce and Tourism
5.	12.01.2024	Ms. Soumya Jose	Debate with Asianet
6.	17.01.2024	Dr. Vinod K Raju	Carrer Guidance and Development Programme- PASSWORD 2023-24 in association with Carrer Guidance and Placement Cell
7.	22.01.2024 & 23.01.2024	Dr. George Thomas & Dr. Raneesh B	Second international conference on "Advanced Nanostructures" ICAN-2024 in association with Department of Physics
8.	20.02.2024	Dr. George Thomas & Ms. Jini KJose	Orientation Programme for YIP 6.0 Preregistration
9.	20.02.2024	Mrs. Manju G Nair	Workshop on Tools of the Trade: AI Research Methodology Unveiled in association with Department of Computer Science
10	23.02.2024	Dr. Anu P T & Dr. Saino Hanna Varghese	Fostering Excellence: NEP- Driven College Readiness
11.	23.02.2024	Dr. Ann Naisy Jacob & Mr. Rijo John	Inauguration of Student Quality Assurance Cell
12.	28.02.2024	Dr. Aswathy Joseph & Dr. Sneha Jose E	National Science Day Celebration in association with Department of Chemistry
13.	01.03.2024	Dr. Ann Naisy Jacob	International Seminar on 21 st Century Logistics and supply chain management -strategic challenges and solutions in association with Department of Commerce and Tourism
14.	01.03.2024	Dr. Laija P J	Carrer Counselling in association with Department of Hindi
15.	06.03.2024	Ms. Sumitha Tom	Womens Day Celebration in association with Department of Chemistry
16.	14.03.2024	Dr. Laija P J	A talk on Gender Equity in association with Department of Hindi

17.	22.03.2024	Aleena Ann Jacob & Aleena Anna Cherian	Friday Trivia- Inter-Departmental General Quiz Competition in association with Student Quality Assurance Cell
18.	22.03.2024	Dr. Vinod K Raju	Digital Workforce Management System in association with Carrer Guidance and Placement Cell
19.	23.03.2024	Dr. Vinod K Raju	Recruitment Drive in association with Carrer Guidance and Placement Cell
20.	15.04.2024	Mr. Vivek Jacob Abraham	MGU-UGP (Honours) Zonal Training for Teachers in Association with M G University, Kottayam



DEPARTMENTAL ACTIVITIES

Department of English

The Department of English started functioning in 1952. It embarked on the journey for a full-fledged academic pursuit with the introduction of an Undergraduate BA Degree Programme in 1964 and later a Post Graduate M.A. Programme in 1998. The commencement of Five-Year Integrated M.A. Programme in 2020 and BA English (Hons) Programme in 2024 as part of the new initiatives in the Higher Education field marks yet another milestone in the annals of the department. With a rich curriculum that spans centuries, genres, and cultures, the department offers a dynamic and inclusive learning environment that fosters critical thinking, creative expression, and effective communication. Through rigorous academic programs and innovative teaching methods the students are empowered to become thoughtful readers and skilled writers and help them engage with diverse perspectives and develop their own unique voices. The department has completed 6 UGC Minor Research Projects. The rank holders in the University examinations and an array of successful candidates in UPSC, NET and other competitive exams have added to the laurels of the department.

List of the Programmes conducted during the academic year: 2023-24

Sl.No.	Date	Convenor/Coordinator	Title of the Programme
1.	07.06.2023	Rijo John	World environment Day Celebrations "Healers of Nature: Understanding Medicinal plants in our Vicinity"
2.	21.06.2023	Steve Vincent	Invited lecture on Rasa and Dhvani
3.	11.07.2023	Jisha Elezaba	Farewell 2023 for PG
4.	21.07.2023	Tessy Thomas/ Jiji Anna Jacob & Rijo John	Reading Month Celebration and Book Donation Drive
5.	31.07.2023	Tessy Thomas/ Jiji Anna Jacob & Rijo John	Gender Survey Programme, Awareness session, Book Donation
6.	03.08.2023	Steve Vincent/ Jiji Anna Jacob/ Alan Cherian	Inauguration of Certificate Course in scientific waste management
7.	04.08.2023	Renu Anna Boban & Rijo John	Inauguration of English Literay association and Orientation Programme
8.	08.08.2023	Anu Francis	Career Guidance and Future readiness Programme

9.	10.08.2023	Alan Cherian	Memorial Talk
10.	25.08.2023	Renu Anna Boban & Rijo John	Onam Celebration
11.	11.10.2023	Divya Uthup & Tessy Thomas	Tribal Colony Visit and Field trip
12.	17.10.2023	Rijo John	Civil Service Orientation and General Quiz
13.	11.11.2023	Dr. Asha Philipose & Jiji Anna Jacob	English Alumni Meeting
14.	23.12.2023	Renu Anna Boban & Rijo John	Christmas Celebration
15.	16.01.2024	Divya Uthup/Rijo John & Nimmy Mariam Jacob	Workshop on Research Methodology
16.	06.02.2024	Steve Vincent/Jisha Elezaba & Chithra Mary Philip	Foodies Haven(Charity Venture)
17.	21.03.2024	Anu Francis / Alan Cherian	International Webinar
18.	25.03.2024	Divya Uthup/ Jiji Anna Jacob	Murali Manohar Lecture
19.	25.03.2024	Anu Francis / Chithra Mary Philip	Merit day
20.	27.03.2024	Renu Anna Boban & Rijo John	Farewell

Department of Malayalam

The degree programme in Malayalam started in 1957 and M.A. in 1965. The Department was declared to be a Research Centre in 1988. This year onwards the Department offers B.A. Malayalam (Honours) with specialization in Language and Literature. The Department has Seventy publications in National Journals, produced Thirty Eight Ph.Ds, completed Three Major and Seven Minor Projects. The Department has conducted UGC sponsored National Seminars on Theatre & Cinema, Folklore, Cultural History of Kerala, Women Studies, Dimension of Hetroglossia in Postmodern Malayalam Poetry, Indian Theories of Verbal Comprehension on Modern Linguistics, Musical Tradition of Kerala and Research Methodology. The Department has organized national workshop on Research Methodology. The Department has instituted an academic chair to commemorate Maha Kavi Puthenkavu Mathan Tharakan. The Department is a centre for Ph.D.course work in Malayalam.

List of the programmes conducted during the academic year 2023-24

Sl.No.	Date	Convenor/Coordinator	Title of the Programme
1	06/06/2023	Dr.Jessy Alexander	Contemporary Malayalam Poetry-One Day Seminar & Association Inauguration-Poet S Joseph Chief Guest
2	19/06/2023	Dr.M.S.Paul	K.V.Thampi Memorial Talk & Award Distribution Ceremony Inauguration: Adv.Pramod Narayan MLA, Memorial Talk:Sri.Madhu Eravankara,Awardee: Sri.Raju Vallikunnam (Poet)
3	05/07/2023	Dr.Rekha.R	Basheer-Edappally-Thirunelloor Memorial Talk By Dr.M.S,Paul & Documentary Presentation
4	20/07/2023	Dr.Anu.PT	<u>Book Releasing & Documentary Presentation</u> Prominent Alumni Prof.Maloor Muraleedharan's Sahithyam Enthu?engane?Enthinu? & Documentary (Justice Fathima Bevi-Neethi Pathayile Dheera vanitha) Felicitations Sri Ravi Varma Thampuran,Sri Vinod Elakolloor
5	02/08/2023	Dr.Anu.PT	Anuyathra Mentoring Programme Inauguration : Sri Lovewin Cherian & Sneha (Co Ordinators- Anchappam Charittable Trust)

6	08/08/2023	Dr.Bincy P.J	M.T.(Kalam):NAVATHI VANDANAM Chief Guest : Benyamin Felicitations Sri John Kakkaad
7	25/09/2023	Dr.Anu.P.T	One day Seminar: Easthetics Of Western Poetry Dr.V.Rajeev Lead the Seminar
8	01/11/2023	Dr.M.S.Paul & Dr.Rekha.R	One Day Seminar –Kathaprasamga Kalayum Keralathinte Samskarika Jeevithavum Inauguration & Key Note Address: Mallassery Purushothaman
9	08/11/2023	Shynu Abraham	Book Receiving Ceremony & Bhasha Varacharana Samaapanam In Loving Memory of M.G.Radhakrishnan (Our Alumnous)His family donated more than 300 books and one Almirah
10	10/11/2023	Dr.Jisha Thomas	One Day National Seminar- Lokasamadhanam Ekathmakathaa bodham vazhi- lead by Dr.P.K.Sabu (Narayana Gurukulam)
11	05/12/2023- 06/12/2023	Shynu Abraham	Folklore Workshop –Two Days
12	16/01/2024	Dr.Bincy.P.J	Mahakavi Puthancavu Mathen Tharakan Memorial Talk &Award Ceremony Inaugurated by H.H.Marthoma Mathews III, Benedictory –HG Abraham Mar Seraphim,Awardee: Sri P.K.Gopi
13	22/02/2024	Dr.Rekha.R	Loka Mathrubhashaadinam
14	23/02/2024	Dr.Bincy.p.J	Dr.Nellikal Muraleedharan Smaraka Desathudi Kavitha Puraskara samarppanam Inaugurated by Sri Madhupal Awardee : Sri K Rajagopal
15	05/03/2024	Sebu Rajan	Aksharam-2024. PRATHIBHA SAMGAMAM.-MERIT DAY
16	16/03/2024	Dr.Jisha Thomas	Alumni Association-Inaugurated by Sri.JohnKakkaad Key note Address –Dr.Sneha George Pachayil

Department of Hindi

Degree programme was started in the department in 1964, P.G. programme in 1968 and B.A Hindi (Honours) from 2024 onwards. The Department was elevated to a Research Centre in 1988. The department secures 100% pass in M.A. and B.A. regularly. The Department has published Two Hundred and Sixty Seven papers in National Journals, Twenty Eight papers in International Journals, produced 52 Ph.Ds and completed Eleven UGC Minor Research Projects.

List of the programmes conducted during the academic year 2023-24

Sl.No.	Date	Convenor/Coordinator	Title of the Programme
1	05/06/2023	Dr.Laija P.J.	Environment Day Celebration-Tree Plantation
2	07/06/2023	Dr.Laija P.J.	Environment Day Celebration-A talk on 'Earth is our Wealth'
3	07/06/2023	Dr.Laija P.J.	Environment Day Celebration-Essay writing Competition
4	08/06/2023	Dr.Laija P.J.	Environment Day Celebration-Pencil Drawing Competition
5	10/06/2023	Dr.Laija P.J.	Environment Day Celebration-Photography Competition
6	21/06/2023	Dr.Laija P.J.	International Yoga Day Celebration
7	30/06/2023	Dr.Laija P.J.	National Reading Day Celebration
8	31/07/2023	Dr.Laija P.J.	Premchand Jayanthi -Quiz Competition
9	25/08/2023	Dr.Laija P.J.	Onam Celebration
10	14/09/2023	Dr.Laija P.J.	Hindi Day Celebration
11	18/09/2023	Dr.Laija P.J.	Inter Departmental Patriotic Song Competition
12	11/01/2024	Dr.Laija P.J.	World Hindi Day Celebration
13	19/01/2024	Dr.Laija P.J.	Language Development Programme
14	28/02/2024	Dr.Renji Koshy	Seminar on Research Methodology
15	01/03/2024	Dr.Laija P.J.	Seminar on Career Counselling
16	14/03/2024	Dr.Laija P.J.	Talk on Gender Equity

Department of Economics

The Postgraduate and Research Department of Economics being one among the oldest departments of the institution, established in the year of 1952, has been in the path of training new generation economists since its inception. Now, the department offers B.A (Honors) in Economics with specialisation in Finance. M.A Econometrics which was started in 2020 is equally suitable for Economics, Mathematics and Statistics graduates. M.A. in Econometrics also includes training in software like 'R' and Gretl. There is also an internship programme for the students of M.A.(Econometrics).The department has been making steady and spectacular results over the years.

The department was elevated to research level in 2023 with two research guides and nine research scholars. The department has hosted various National and Regional Seminars. Conferences and Workshops are also conducted regularly. Analyses of Union Budgets are conducted regularly every year. The department has signed MoU with prestigious institutions like IIMAD. The department has published an edited book Inclusive Growth – The Unfinished Agenda. The department conducts community outreach and student sensitisation extension activities every year. At the UG level, it has created more than 4000 graduates through 69 batches and many of them occupy key positions in society.

List of the programmes conducted during the academic year 2023-24

Sl.No.	Date	Convenor/Coordinator	Title of the Programme
1	4/07/2023	Bejoy D Abraham	Plant a Sapling
2	11/07/2023	Reshma Raichel Koshy	Interdepartmental poster making competition on World population day
3	28/07/2023	Reshma Raichel Koshy	World Nature Conservation Day.
4	31/07/2023	Elisabeth Johnson	Extension Activity- Career orientation
5	3/08/2023	Reshma Raichel Koshy	Seminar on Research Methodology

6	4/08/2023	Reshma Raichel Koshy	Gender Equality with Pride: interactive session and invited talk on Gender Equality
7	4/08/2023	Bejoy D Abraham	Survey on Energy Conservation
8	4/08/2023	Dr. Shyni T. Alexander	MoU with SciPY and IMAD
9	17/08/2023	Reshma Raichel Koshy	An interactive session on Reaching Out: An Art of Healthy Living
10	24/08/2023	Reeby Anna Jacob	Mock Budget Presentation
11	13/10/2023	Reshma Raichel Koshy	An invited talk on Mental Health with Restore Minds
12	November	Bejoy D Abraham	Kerala Migration Survey for Government of Kerala
13	11/01/2024	Reshma Raichel Koshy	Book Review
14	1/02/2024	Reeby Anna Jacob	Live Budget Presentation
15	12/01/2024	J.K.Jacob	Budget Panel Discussion
16	19/01/2024	Reshma Raichel Koshy	Dhyana: An introduction to Yogic Living

Department of History

The Post Graduate and Research Department of History is a premier institution for Historical Studies in the Central Travancore region of Kerala, renowned for its academic excellence and research. The Department of History offers B.A. Honours, M.A. and Ph.D. degrees. Boasting a faculty of highly qualified and dedicated scholars, the department has consistently produced outstanding students who excelled in M.G.University examinations securing top ranks year after year. Moreover, our students had demonstrated exceptional prowess in state and national level competitive examinations such as SET and UGC-NET, showcasing their intellectual versatility. The department is equipped with excellent facilities including a comprehensive Library, a good Seminar Hall, a good Museum and a sophisticated Research Centre. These resources provide a conducive environment for academic pursuits, intellectual discussions and innovative research.

List of the programmes conducted during the academic year 2023-24

Sl.No.	Date	Convenor/Coordinator	Title of the Programme
1.	5-6-23	Boban Aloysius	Environment Day Observance
2	21-6-23	Dr. Smitha Sara Padiyara	Yoga for Students
3	21-9-23	Vivek Jacob Abraham	National Seminar- The Constitution and Indian Polity
4	28-10-23	Dr. Smitha Sara Padiyara	Alumni Meet
5	20-12-23	Dr. Smitha Sara Padiyara	Frost Fete - Cake Fest
6	21-2-24	Dr. Smitha Sara Padiyara	Seminar- Nationalism- Various Dimensions & Merit Day
7	26-2-24	Dr. Smitha Sara Padiyara	Health Seminar in association with Women's Cell- Youth and Lifestyle Diseases
8	3-3-24	Dr. Smitha Sara Padiyara	Webinar- An introduction for Gender Studies
9	28-3-24	Boban Aloysius	Pachathuruthu- planting of trees in college campus

Department of Commerce

In 1993, the Department of Commerce launched the B.Com aided programme. The Department of Commerce initiated the M.Com aided and MTTM self-financing programs in 2002 and 2003, respectively. In 2013, the Department of Commerce began offering M.Com and B.Com self-financing programmes. In addition to this, the department has an MOU with the Government of Kerala to conduct a computer training program of certificate and diploma courses approved by the Kerala Public Service Commission. The department has organized several national workshops and webinars in collaboration with the UGC and various universities. For the last university results, the department has bagged 3 university ranks for B.com aided and 1 for B.com self-financing programmes, 3 university ranks for M.com, and 2 ranks for MTTM programmes. In 2018, Mahatma Gandhi University upgraded the department to a Research Centre of Commerce. At present, eight research scholars are pursuing their studies under the guidance of three supervising teachers. In 2023, Mahatma Gandhi University awarded four PhDs, with Prof. Dr. P.N. Harikumar, two guided by Prof. Dr. P.S. Ajith, and one guided by Dr. Kuriakose V. Kocheril. Dr.Kuriakose V.Kocheril is the director of research centre. The CICCA RUTRONIX has received approval from the Government of Kerala. All Catholicate College students, as well as female students residing outside the campus, receive PDCF, DCA, and PGDCA. Dr. Ann Naisy Jacob currently serves as RUTRONIX's director. The Department has also entered into an agreement with the International Skill Development Corporation (ISDC) to conduct ACCA in 2022.

List of the programmes conducted during the academic year 2023-24

Sl.No.	Date	Convenor/Coordinator	Title of the Programme
1.	21/07/2023	DR. VINOD K RAJU	MEET THE ALUMINI
2.	26/07/2023	DR. VINOD K RAJU	SEMINAR ON FINANCIAL LITERACY AND BANKING
3.	27/07/2023	DR. VINOD K RAJU	MEET THE ALUMINI
4.	02/08/2023	DR. ANN NAISY JACOB	SEMINAR ON OBE, OUTCOME BASED EDUCATION
5.	03/08/2023	AMALA SARA JOHN & PRIYANKA GOPINATH	ECO CLUB INAUGURATION

6.	04/08/2023	DR. VINOD K RAJU	MEET THE ALUMINI
7.	04/08/2023	DR. ANN NAISY JACOB & SUBIN BABU	SEMINAR ON GLOBAL EDUCATIONAL PROSPECTS
8.	09/08/2023	DR. VINOD K RAJU	INDUSTRIAL VISIT TO MILMA DIARY,THATTA PATHANAMTHITTA
9.	25/08/2023		THARANGAM,ONAM CELEBRATION
10	29/09/2023	SUBIN BABU	TOURISM DAY
11.	12/10/2023	DR. KURIAKOSE V KOCHERIL	INVESTOR AWARENESS PROGRAMME
12.	09/11/2023	DR. ANN NAISY JACOB	FLAVOR FIESTA
13.	21/12/2023	SUBIN BABU & AMALA SARA JOHN	SERVE & SMILE, SHARE TO CARE
14.	05/02/2024	DR. ANN NAISY JACOB	LOGO LAUNCH CEREMONY, "CATHCOMMERCIO 2.0"
15.	24/02/2024	DR. ANN NAISY JACOB	NATIONAL LEVEL COMMERCE AND MANAGEMENT FEST "CATHCOMMERCIO 2.0"

Department of Mathematics

PG & Research Department of Mathematics was established in 1955 with a UG programme. It was upgraded as a PG department in 1984 and it was recognized as a research centre in 2010. The department intends to educate students in the growing world of advanced mathematics and prepare them for careers in its use and development. The department has three research guides. Our faculty research interest includes various research fields in mathematics mainly Algebra, Graph Theory, Topology, Applications of Mathematics etc. The faculty members of the department have published more than 100 papers in National and International Journal and have completed five minor research projects. 4 PhDs are awarded from the department. The department has a well-equipped computer lab and library with 2415 books and 11 journals. The department usually conducts 'All Kerala Mathematics Talent Search Quiz Competition' every year for higher secondary students. The department observes both national and international days throughout the year. Students of the department have secured top ranks in University level. Department started B.Sc. (Hons) 4year programme in Mathematics as per the instructions of the M.G. University.

List of the programmes conducted during the academic year 2023-24

Sl.No.	Date	Convenor/Coordinator	Title of the Programme
1	5/07/2023	Dr. Dais George	National Statistics Day 2023
2	25/07/2023	Saira Kurian	Pi Approximation Day 2023 & Inauguration of 'One to many, many to one' student talk-series
3	26/07/2023	Dr. Susha D., Dr. Beena Koshy	Awareness on Intellectual Property Rights 2023
4	18/08/2023	Saira Kurian	'One to many, many to one' student talk-series - 2
5	14/11/2023	Manju John, Saira Kurian	All Kerala Mathematics Talent Search Quiz 2023 & Association Inauguration
6	21/12/2023	Saira Kurian	National Mathematics Day - Quiz Competition
7	3/01/2024	Dr. Beena Koshy	Virtual Reunion 2024



8	16/02/2024	Deepa Susan Oommen	Career Guidance
9	17/02/2024 - 18/02/2024	Tessymol Abraham	Online Workshop on LaTeX
10	28/02/2024	Saira Kurian	National Science Day 2024
11	14/03/2024	Tessymol Abraham, Nekitha J Vilavinal	International Pi Day and Merit Day 2024 & Association Valedictory Function

Department of Physics

The department was established with a degree programme in the year 1960. The department offers BSc. honours programme in physics with specialization in space physics and material science and multidisciplinary course to MGU UGP programme. In addition to this, there are two PG programmes in Physics with specialization in Electronics and Material Science. The department was approved as Research Centre in the year 2009. The department also runs Kerala government approved degree/diploma course in 'Artificial Intelligence and Data science & in Web designing'. The department maintains a library with 1900 books and 14 journals in Physics. The department is carrying out three major projects. Faculty members and students of the department have published more than 100 research papers in international and national journals during the last five years. The thrust areas of research are Photonics, Nano fibres, Nano composites, Crystal growth, thin films, Atmospheric Science and Statistical Physics. The department has a student chapter in collaboration with SPIE (USA). In the last five years, the department has hosted ten national seminars and 4 International seminars. The department has been conducting an out-reach programme in association with Indian Institute of Remote Sensing (IRRS). The department has an international MoU with Institute of Physics, Belgrade and national MOU with NCESS under the Ministry of Earth Science in National lighting Network research Programme. The department conducts a two-week interdisciplinary online faculty development programme and two certificate courses in association with GAD TLC and Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) under Ministry of Education Govt. of India. The department also conducts Scholar Hub programme in association with CMS College, Kottayam.

List of the programmes conducted during the academic year 2023-24

Sl.No.	Date	Convenor & Co-ordinator	Title of the Programme
1.	08/07/2023	Dr. Karthika S & Reshmi P	Physics Alumni Meet "RETRACE 2023"
2.	12/07/2023	Dr. Dhanya I & Dr. Raji Koshy	One day orientation Programme for first year UG& PG students "X-ray crystallography: gateway to

			modern science” led by Prof. C. Sudharsankumar, SPAP, M.G University
3.	13/07/2023	Dr. Dhanya I & Dr. Soosen Samuel M	Community Extension Programme “ One-day LED workshop for women CDC unit in Vallicode Panchayath” in association with Indira Gandhi National Open University (Southern Zone)
4.	14/07/2023	Anoop P.D & Sibichandran C S	Demonstration on “Chandrayaan 3 launching live streaming”
5.	21/07/2023	Dr. Dhanya I & Dr. Achamma George	An informatory talk on the topic of “ Moon: Our Celestial body” led by Dr. Nizy Mathew, Scientist, SF, Space Physics Laboratory, VSSC, ISRO
6.	21/07/2023	Dr. Anoop P.D & SibiChandran C S	Interdepartmental Quiz on “Astrophysics and Astronomy”
7.	22/01/2024& 23/01/2024	Dr. George Thomas & Dr. Raneesh B	Second international conference on “Advanced Nanostructures” ICAN-2024 in association with IQAC
8.	28/02/2024	Sajith Babu S & Dr. Karthika S	National Science Day lecture on the theme “ Indigenous technology for Viksit Bharath” led by Prof. N.V Unnikrishnan, M.G Univeristy, Kottayam
9.	28/02/2024	Jini K Jose & Asitha C Nair	Interdepartmental Power point competition on the theme “ Indigenous technology for Viksit Bharath” in association with science day.
10	29/02/2024	Dr. Anoop P.D	Film Fest and film Review Competition based on the science fiction movie “ RED RAIN”
11.	22/03/2024 to 27/03/2024	Dr. Dhanya I & Dr. Soosen Samuel M	Community Extension Training programme on “ Assembling and Maintenance of LED lamps” in association with Indira Gandhi National Open University (Southern Zone) and Vallicode Grama Panchayath
12.	On Every alternative month in an year	Dr. George Thomas	Outreach programme with IIRS in the EDUSAT tele-education programme
13	27/03/2024	Jini K Jose	Career Guidance programme on “ Opportunities and future Perspectives in Physics” led by Dr. Nibu A George, Assistant Professor, Department of Physics, Baselios college, Kottayam in association with merit day of department.

Department of Chemistry

The Department of Chemistry is one of the first Departments to function after the Catholicate College was founded in 1952. It offers BSc (honours) programme in Chemistry and two Post-graduate programmes in Polymer chemistry and Analytical Chemistry. Furthermore the department offers certificate programme on Scientific Waste Management for UG and PG students. In the year 2023, the department has been upgraded as a Research department under Mahatma Gandhi University. Currently four faculties engaging as research guides. The department has published over 50 research articles in Scopus-indexed journals over the past five years. In the last two years department has hosted two international and three national seminars. The department regularly conducts various outreach programs such as CHEMSPARK, summer camps, exhibitions and quiz competition for school students. The department has also offering online training session on VIRTUAL LABS for experiential learning in association with National Institute of Technology Karnataka (NITK) Surathkal. The Department runs an active monthly seminar “CHEMISTRY LECTURE SERIES” and provides an opportunity to learn about exciting current research in chemistry at other universities and research laboratories in India and abroad.

List of the programmes conducted during the academic year 2023-24

Sl.No.	Date	Convenor/Coordinator	Title of the Programme
1.	05/06/2023	Dr. Sneha Jose E	World Environment Day Observance Topic: Save the Planet, Respect the Environment
2.	14/07/2023	Dr. Binoj K K Sumitha Tom	Inauguration of Chemistry Lecture Series & Dalton's Conclave Association Activities Topic: Polymeric Materials for Biomedical Applications
3.	27/07/2023	Dr. Janey Mary Mathew	Workshop on Cosmetics & Sanitary Formulations
4.	05/08/2023, 07/08/2023 and 08/08/2023	Princy Susan Koshy	Three Days Hands-on Training in Rubber & Plastic Products Manufacturing for MSc First Year Students and MSc II year students in collaboration with CFSC, Govt. of Kerala

	11/09/23, 12/09/23 and 13/09/23		
5.	09/08/2023	Princy Susan Koshy	Hiroshima Observance Day Topic: Space and space weather
6.	22/11/2023	Dr. Sneha Jose E	Chemistry Lecture Series Phase II Topic: Basics and Applications of Spectroscopy: Quantitative Raman Spectroscopy for Hydrothermal Applications
7.	25/11/2023	Sumitha Tom Princy Susan Koshy	CHEMSPARK 2023 (Extension Programme) Topic: Innovative Techniques in Chemistry
8.	27/11/2023	Dr. Nissy Ann Harry	Alumni lecture series Topic: Bio- inspired innovations
9.	07/02/2024 and 08/02/2024	Dr. Saino Hanna Varghese	National Seminar- Albertian Knowledge Summit in collaboration with St Alberts College (Autonomous), Ernakulam
10.	22/02/2024	Dr. Sneha Jose E	Poster Making Competition for High School Students in connection with National Science Day Celebration 2024
11.	23/02/2023	Dr. Preethy Soosan Thomas Dr. Janey Mary Mathew	Inauguration of Research Centre and Excellence Day
12.	28/02/2024	Dr. Aswathy Joseph Dr. Sneha Jose E	National Science Day Celebration 2024 Topic: A journey through Science of Chem Mysteries
13.	06/03/2024	Sumitha Tom	International Women's Day Celebration Topic: Women Scientist who broke the glass ceiling
14.	16/03/2024	Dr. Nissy Ann Harry Dr. Thomas Abraham	Inauguration of Certificate course on Scientific waste management

Department of Computer Applications

The Department of Computer Applications was established in 2013 with the glorious vision of developing technically competent and skilled intellectual professionals, to meet the ever growing challenges of the modern IT industry. International conference on Cyber Security was also organized to channelize the student's career interests into the various realms of Cyber Security. The department organized Student Development Program on "PHP and MySQL" in collaboration with reputed institution like IIT-Bombay to help the students in their future endeavors and career advancement in web development. The Department provides stimulating learning environment with technical orientation encouraging the students to develop novel applications that greatly benefit the netizens. The department is a leading innovator in Computer Applications field, spawning prestigious placements every year in leading IT firms across the world like Infosys, Wipro, TCS, Cognizant, Mindtree, Capgemini. 52 BCA students received 100% scholarship in ASAP KSkill Scholarship Exam (Govt. of Kerala) and has got the opportunity to attend a course on "Cyber Security" as part of this scholarship.

List of the programmes conducted during the academic year 2023-24

Sl.No.	Date	Convenor/Coordinator	Title of the Programme
1.	08/08/2023	Blessy Abraham	INDUCTION PROGRAMME FOR FIRST YEAR STUDENTS
2.	10/08/2023	Manju G. Nair	Introduction to Data Science and Machine Learning (MoU with MACFAST)
3.	17/08/2023	Deepthy Rajesh	LATEST TRENDS IN PROGRAMMING LANGUAGES
4.	26/09/2023	Manju G. Nair	Jio True 5G: Step Into Your 5G Future
5.	20/02/2024	Manju G. Nair	Tools of the Trade: AI Research Methodology Unveiled
6.	27/03/2024	Deepthy Rajesh, Blessy Abraham, Renju V. R, Swathy Krishna.S	Placement Drive (Quest Technologies)

Department of Botany

The Department started Degree programme in 1955, PG in 1966 and was elevated to a Research Centre in 1990. Since its inception, the department maintains a very high profile in curricular and extracurricular activities. The department offers Plant Genetic Resources Management as an elective paper at the Degree-level and Biotechnology as special paper for the M.Sc programme. In the last five years the department has completed major and minor projects sponsored by the UGC. The department is also engaging research activities in advanced areas of plant science including plant anatomy, plant breeding, soil algae, biotechnology, taxonomy, soil fungi, phytoplankton, mycorrhizae, biodiversity, plant taxonomy etc. Faculties of the department has discovered several new plant species. Well-equipped Laboratories, Phycotechnology lab, Fungal culture centre, internationally recognized CATH herbarium, IT and Bioinformatics lab, Mushroom cultivation lab, Ginger House, Fernery, Polyhouse, and botanical garden offers opportunities for experiential learning and research. The department has signed MoUs for student exchange and research activities with Royal Botanical Garden, Kew, UK; Indiana University of Pennsylvania (IUP); Bhaskaracharya College of Applied Sciences, New Delhi; Kerala Medicinal Plant Board, Kerala Biodiversity Board, St. Thomas College Bhilai; Kerala Development and Innovation Strategic Council (KDISC); Business Innovation and Incubation Centre, Mahatma Gandhi University, Kottayam; Zaraq Biotech, Thrissur; College of Engineering, Thiruvananthapuram; Barton Hill College of Engineering, Thiruvananthapuram; Ramanujan College, University of Delhi; Tropical Institute of Ecological Sciences, Kottayam and Life Science Coaching Centre.

List of the programmes conducted during the academic year 2023-24

Sl.No.	Date	Convenor/Coordinator	Title of the Programme
1	02.06.2023	Dr. Deepthi AS	Haritha Sabha
2	07.06.2023	Dr.Gokul G Nair	Beat Plastic Pollution
3	30.06.2023	Dr.Thomas VP	'Griha Chaithanyam' Project in association with Haritha Sena of Nethaji Higher secondary school Pramadam

4	11.07.2023	Dr. Deepthi AS	Monthly lecture series -Talk with alumni IX on Modern Fish Culture
5	26.07.2023	Dr. Thomas VP	International Mango Day
6	28.07.2023	Hima KS	Inauguration of Curiosity Council
7	02.08.2023	Dr. Deepthi AS	Talk with alumni - Intellectual Property Rights
8	03.08.2023	Tinu Thomas	Mush room Cultivation training
9	11.08.2023	Dr. Nisha Joseph	Celebration of International Year of Millets
10	04.10.2023 to 11.10.2023	Hima KS	World space week observance
11	16.10.2023 to 22.10.2023	Hima KS	Innovation week
12	10.11.2023	Dr. Thomas VP	Talk on Small Scale Industries
13	27.11.2023	Hima KS	Science Innovation programme
14	19.12.2023	Dr. Nisha Joseph	Fast and Feast December 2023
15	19.01.2024	Tinu Thomas	Popular science lecture
16	27.07.2024	Dr. Thomas VP	Orchid Conservation @ Garden MoU with Kew Garden
17	16.02.2024	Hima KS	Talk with Alumni
18	29.02.2024	Hima KS	National Science Day
19	14.03.2024	Dr. Gokul G Nair	Merit day Celebration
20	20.03.2024	Dr. Binoy T Thomas	Student Exchange Programme with BCAS, University of Delhi
21	29.01.2024	Dr. Thomas VP	International lecture
22	18.03.2024	Research Forum, Dept of Botany	The erudite talk in collaboration with University of Mostar, Bosnia
23	21.03.2024	Research Forum, Dept of Botany	The erudite talk in collaboration with University of Mostar, Bosnia

Department of Zoology

The department found its inception in 1964 with B.Sc Zoology course. Since then it get upgraded with M.Sc Zoology course in 1982 and later into research centre in 1988. Department also conducted M.Phil course for a short duration of 3 years – 2014 to 2017. The department offers a certificate course on “Ornamental Fish Farming, Breeding & Aquarium Management”. The department has completed 8 research projects, more than 20 research publications in International journals and 105 papers in National journals. The department also conducted a Post Doctoral Fellowship programme under the guidance of Dr. Sunil Kumar R with the financial support from KSCSTE. More than 11 Ph.Ds were produced since then. The area of research in the department are Fishery Biology, Mangrove Benthos, Avian Biology, Marine and riverine Benthos, Taxonomy and Biodiversity of Zoologically important groups, Pollution Ecology and Microbiology. The department organizes copious numbers of programmes enriching the students and the society like production and sale of Zoonhoney, conducting vector monitoring and eradication campaign in association with the Health department of the district, participation in monitoring avian diversity in and around the campus and the like.

List of the programmes conducted during the academic year 2023-24

Sl.No.	Date	Convenor/Coordinator	Title of the Programme
1	12-6-2023	Anusha Merin Wilson	World Environmental Day Celebration
2	14-08-2023	MSc Second year students	World Elephant Day Celebration
3	16-10-2023	Anusha Merin Wilson	Food Fest
4	9-11-2023 10-11-2023	Dr. Kiran Joseph	Science Exhibition, Cynosure Expo Nov 2023
5	16-11-2023	Anusha Merin Wilson	Mosquito-know your enemy
6	22-11-2023	Dr. Kiran Joseph	Science Exhibition
7	16-19 February 2024	Liji Koshy	GBBC/CBC (Campus Bird Count) on behalf of Bird Club

Department of Physical Education

The Department caters to the physical well-being of all students of the college. Facilities for games and athletics are provided under the supervision of qualified coaches. Intercollegiate tournaments in Volleyball (Catholicate Trophy), Football (Mar Philoxenos Memorial Trophy) and Softball (Mar Eusebius Memorial Trophy) are the annual events. Khelo India Fencing Training Centre is attached to our College. The department has completed two UGC Minor Research Projects and has one ongoing extension programme. We have sports hostel for Softball (Men & Women) sanctioned by the Kerala State Sports Council. Health Club facilities are open for all students and teachers. The Department secured third position among the colleges of M. G. University for the best performing college in sports for the year 2017-18 & 2018-19. The department offers open course in the V semester titled Physical Health and Life Skills Education. The Department also offers Multidisciplinary Course (MDC) in the I, II and III semesters of FYUGP (Honours) programme.

Rolly Patak (I MA English) and P Ananya Sree (I BA English) participated in the World University games held at Chengdu, China from 28.07.23 to 08.08.2023.

Organised Inter Departmental 9s Football from 13.09.2023 to 18.09.2023 at college football ground. Eight teams participated. Dept.of Commerce were the winners and Dept.of Economics were the Runners Up. Principal Dr.Sunil Jacob and Bursar Dr.Renny P Varghese give away the prizes.

Judo (M) team participated in the M G University intercollegiate Judo Championship held at St.Pauls College, Kalamaserry on 20.09.2023.

Catholicate College Volleyball (Women) team were the Winners of the 28th Rev.Sr. Theresa Mary memorial All Kerala Intercollegiate Volleyball Tournament organized by Assumption College, Chenganacherry from 18 to 20 September 2023.

Athira P (I MA English) secured gold medal in 57 Kg category in the M G University intercollegiate Taekwondo Championship held at K G College, Pampady on 29.09.2023. She also participated in the South West Zone inter University Taekwondo championship held at Shri Jagdishprasad Jhabarmal Tibrewala University.

Table Tennis (Men) team participated in the M G University South Zone intercollegiate championship held at S D College, Kanjirapally on 06.10.23 and qualified for inter-zone matches held at Mar Thoma College, perumbavoor on 11 th October 2023.

Soumya S (III BA Malayalam), Anakha Vijayan (I BA Economics) and Feba Joshua (I B.Sc Zoology) were the members of the Pathanamthitta district athletics team and secured silver medal in 67th Kerala State Junior Athletics championship.

Fencing Men team were the Runners Up of the M G University intercollegiate Fencing Championship held at Chinmaya College, Tripunithuta on 12&13 October 2023. Silver Medal in Foil Team: - team consist of Elias Dallus (III BA Hindi), Aswin Ramesh (II BA English), Maneesh .M (III B.Sc Botany) and Hallel Reji Chacko

(III BA English). Silver Medal in Epee:- Team Consists of Ganeshan R (III BA Economics), Don Sam Mathew (III B.Sc Maths), Oistin Jibu John (II BCA) and Nohin Tom Siju (II B.Sc Chemistry). Sabar Team Bronze Medal:- Team consists of Jyothisk K., Subin Danney Saji (II B.Com), Vimal K Prasad (II BA Malayalam) and Maneesh m (III B.Sc Botany).

Catholicate College Volleyball (Women) team were the Runners UP of the 43rd Bishop Vayalil All Kerala Intercollegiate Volleyball Tournament organized by St.Thomas college, Pala from 10th to 12th October 2023.

Ashamol S (III BA English) and Sneha Sreedharan (III BA Malayalam) were the, members of the Kerala State Senior Softball team which secured third position in 45th National Senior Softball championship held at Jammu& Kashmir from 4th to 8th November 2023.

Organised M G University intercollegiate Volleyball (W) Championship at Rajeev Gandhi Indoor Stadium, Pramadam on 15th&16th November 2023.

Dr.Sosamma John, HOD, Physical Education have been promoted as Professor in Physical Education under Mahatma Gandhi University, Kottayam.

Organised M G university intercollegiate Volleyball (Women) Championship at Rajiv Gandhi Indoor Stadium, Pramadam on 15&16 November 2023.

Catholicate college won the M G university intercollegiate Volleyball (Women) Championship 2023-24. Assumption College, Chenganacherry were the Runners up and Alphonsa college, Pala secured Third position. Adv.A AnilKumar, President Pathanamthitta District Sports Council give away the prizes.

M G University won the All India Inter University Volleyball (W) Championship 2023-24. Vibha .M.S (I BA History), Roli Pathak (IMA English), Arya S(I BA English), Anjana V (I B.Com) and P Ananya Sree (IBA English) were the members of the M G university team from Catholicate College.

Organized M G university intercollegiate Softball (M&W) championship at Catholicate College, Pathanamthitta on 21&22 December 2023. Sixteen teams from various colleges under M G University have participated in this championship.

Catholicate College were the Runners Up of the M G University intercollegiate Men and Women Softball championship. The following players were selected to M G university softball (Men) team Akhil M O Nair (II MA Econometrics), Joble Joseph (III BA Malayalam), Sivarth B S (II MTTM), Amit Ben Joseph (II BA English) and Sarfas K M (III B.Com). The following students were selected to M G University Softball (Women) team Anjali P (II M.Com), Sneha Sreedharan (III BA Malayalam), Akhila Babu (III B.Sc English), Sneha Sajan (III BA English), Sreerenjini M K (III BA Economics) and Ashamol (III BA English).

Organised interdepartmental Volleyball championship from 18.01.2024 to 06.02.2024. Ten departments participated in the event. Dept.of History were the Winners and Dept.of English were the Runners Up. Dr.Sindu Jones, Principal Catholicate College Patahanmthitta distributed the trophies Prof.Dr.Sosamma John ,HOD Phy.Edn, Dr.Asha Philipose, HOD Dept.of English and Capt. Jijo K Joseph were also present.

Catholicate College Chess(W) team were the Runners Up and Chess(M) team secured Third position in the of the M G University intercollegiate Chess Championship held at SH College, thevara on 22&23 January 2024.

Karate

Catholicate College won the M G University intercollegiate Baseball (W) Championship held at U C College, Aluva on 1 to 3 February 2024. Baseball Men team secured third position. The following players from Catholicate College is selected to M G university Baseball (W) team Anagha Benny (II B.Com), Sneha Sreedharan (III BA Malayalam), Aleena Jobi (II B.Com) Sreerenjini M K (II BA Economics), Akhila Babu (III B.Sc Physics) and Raveena S Vijayan (III BA History). The following players selected to

M G University Baseball (M) team Adith Vijay (III B.Sc Botany), Sajin P Saji (I M.Com), Jobil Joseph (III BA Malayalam) and Surfas K M (II B.Com).

Organised Annual Athletic meet of the college on 21&22 February 2024. Col. Deepak Nambiar, Commanding officer, 14 (K) Bn NCC Pathanamthitta inaugurated the event, Dr. Shyni T Alexander presided over the function. Prof. Dr. Sosamma John, HOD Physical Education welcomed the gathering and Sri. John K Jose, Chairman College Union proposed vote of thanks. Department of English were the Overall Champions of the athletic meet and Dept. of Commerce and Physics secured second and Third position respectively.

Organized M G University intercollegiate Ball Badminton (Men & Women) Championship at Catholicate College, Pathanamthitta on 4&5 March 2024. Dr. Sindu Jones, Principal Catholicate College, Pathanamthitta inaugurated the event.

M G University volleyball (W) team won the silver medal in the Khelo India University Games held at Guwahati, Assam. . Vibha .M.S (I BA History), Roli Pathak (IMA English), Arya S (I BA English), Anjana V (I B.Com) and P Ananya Sree (IBA English) were the members of the M G University team from Catholicate College.

Organized M G University intercollegiate Ball Badminton championship on 4th&5th March 2024. Catholicate College Ball Badminton (W) team secured fourth position.

Lalitha Ajappa Naik (III B.Com) and Adwaith R Nair (III BA English) selected to M G University Women and Men Ball Badminton teams respectively.

Organized interdepartmental Cricket tournament on 9th March 2023. Nine departments were participated and Combined team of Botany and Zoology were the winners and BCA secured second position.

Catholicate College Softbaseball (W) and Softbaseball (Men) team were the Runners Up and Second runners up respectively in the M G University intercollegiate Softbaseball Championship held at U C College, Aluva on 13th & 14th March 2024. selection

Library

The Catholicate College Library is a crucial resource for the college community, offering a blend of traditional and digital resources that support the academic and research endeavors of students and faculty. It serves as a vibrant center for learning, knowledge dissemination, and intellectual development. It contains 73001 books, 21 journals, 32 periodicals and 10 newspapers. The library provides modern facilities like Kiosk, e-gate, digital library, library information portal (OPAC) and offers access to online database such as NLIST, DELNET.

NSS

List of the programmes conducted during the academic year 2023-24

Sl.No.	Date	Convenor/Coordinator	Title of the Programme
1	17/05/2023	Dr. Gokul G. Nair & Ancy Sam	Ente Keralam: Exhibition & Fitness Drive
2	20/05/2023	Dr. Gokul G. Nair & Ancy Sam	Youth Festival: Yuva Utsav
3	31/05/2023	Dr. Gokul G. Nair & Ancy Sam	School Adoption Project – Inauguration & distribution of School Bags
4	05/06/2023	Dr. Gokul G. Nair & Ancy Sam	Environment Day Celebration and Fruit Garden Inauguration
5	05/06/2023	Dr. Gokul G. Nair & Ancy Sam	Zero Waste campus campaign
6	14/06/2023	Dr. Gokul G. Nair & Ancy Sam	Awareness class: Blood Donors Day
7	15/06/2023	Dr. Gokul G. Nair & Ancy Sam	Elder Abuse Awareness Day
8	17/06/2023	Dr. Gokul G. Nair & Ancy Sam	National Reading Day Exhibition
9	21/06/2023	Dr. Gokul G. Nair & Ancy Sam	International Yoga Day
10	30/06/2023	Dr. Gokul G. Nair & Ancy Sam	Say no to drugs: International Drug Awareness Day
11	03/07/2023	Dr. Gokul G. Nair & Ancy Sam	Onathinu Oru Muram Pachakkari: Grow bags and Vegetable Seedlings distribution at adopted school
12	04/07/2023	Dr. Gokul G. Nair & Ancy Sam	Van Mahotsav: Protect Our Forests
13	08/07/2023	Dr. Gokul G. Nair & Ancy Sam	Job Fest- Mega Job fair
14	10/07/2023	Dr. Gokul G. Nair & Ancy Sam	Organic farming at adopted school

15	10/07/2023	Dr. Gokul G. Nair & Ancy Sam	Swachh Bharat- Campus & Fruit Garden Cleaning
16	11/08/2023	Dr. Gokul G. Nair & Ancy Sam	Anti Global Warming- One day Seminar and Solar lamp Installation -
17	12/08/2023	Dr. Gokul G. Nair & Ancy Sam	International Youth Day - campus cleaning
18	15/08/2023	Dr. Gokul G. Nair & Ancy Sam	Independence Day Celebration
19	15/08/2023	Dr. Gokul G. Nair & Ancy Sam	Nasha Mukta Bharat Abhiyan - Say no to drugs
20	15/09/2023	Dr. Gokul G. Nair & Ancy Sam	International Democracy Day
21	23/09/2023 & 24/09/2023	Dr. Gokul G. Nair & Ancy Sam	Orientation Programme for first Year NSS Volunteers
22	25/09/2023	Dr. Gokul G. Nair & Ancy Sam	Blood Donation Camp
23	29/09/2023	Dr. Gokul G. Nair & Ancy Sam	Tourism day Celebration and Documentary release
24	03/10/2023	Dr. Gokul G. Nair & Ancy Sam	Swachhata Hi Seva: Zero Waste Campus Campaign & Campus Cleaning
25	10/10/2023	Dr. Gokul G. Nair & Ancy Sam	Sneharamam Project- transforming a garbage dumping site into a garden
26	18/10/2023	Dr. Gokul G. Nair & Ancy Sam	Meri Maati Meri Desh Campaign
27	31/10/2023	Dr. Gokul G. Nair & Ancy Sam	Rashtriya Ekta Diwas: Unity Pledge
28	1/11/2023	Dr. Gokul G. Nair & Ancy Sam	Kerala Piravi Celebration
29	03/11/2023	Dr. Gokul G. Nair & Ancy Sam	Vigilance Awareness Week 2023
30	10/11/2023	Dr. Gokul G. Nair & Ancy Sam	Book Donation to Empower a Grameen Library
31	20/11/2023	Dr. Gokul G. Nair & Ancy Sam	Voter Registration Campaign
32	23/11/2023	Dr. Gokul G. Nair & Ancy Sam	Disaster Management Training & Team Formation
33	23/11/2023	Dr. Gokul G. Nair & Ancy Sam	Snehavedu Project: Home for Homeless
34	28/11/2023	Dr. Gokul G. Nair & Ancy Sam	Survey of Medicinal Plant in Omalloor Grama Panchayat
35	30/11/2023	Dr. Gokul G. Nair & Ancy Sam	Orange The World Campaign: Self Defence Training Class for Women
36	1/12/2023	Dr. Gokul G. Nair & Ancy Sam	World Aids Day

37	11/12/2023	Dr. Gokul G. Nair & Ancy Sam	Swachh Bharath Campaign
38	29/12/2023	Dr. Gokul G. Nair & Ancy Sam	Sneharamam Project (PHASE-II)
39	29/12/2023	Dr. Gokul G. Nair & Ancy Sam	Stream Cleaning
40	04/01/2024	Dr. Gokul G. Nair & Ancy Sam	My Bharath Portal Registration Campaign
41	10/1/2024	Dr. Gokul G. Nair & Ancy Sam	Transgenders Awareness Program
42	12/01/2024	Dr. Gokul G. Nair & Ancy Sam	National Youth Day Celebration & Millet Year Observance
43	22/01/2024	Dr. Gokul G. Nair & Ancy Sam	National Vector Borne Disease Control Programme (NVBDCP)-
44	25/01/2024	Dr. Gokul G. Nair & Ancy Sam	Gender Justice, Equality, Gender Relation Seminar
45	26/01/2024	Dr. Gokul G. Nair & Ancy Sam	Republic Day Celebration
46	26/01/2024	Dr. Gokul G. Nair & Ancy Sam	Old-Age Home Visit
47	29/01/2024	Dr. Gokul G. Nair & Ancy Sam	Green Campus Certification & One Day Seminar (Carbon Neutral Campus)
48	02/02/2024	Dr. Gokul G. Nair & Ancy Sam	World Wetlands Day Celebration
49	05/02/2024	Dr. Gokul G. Nair & Ancy Sam	Swachh Bharat Abhiyan: Swachhata Pakhwada-2024
50	01/03/2024	Dr. Gokul G. Nair & Ancy Sam	Voter Awareness Slow Run Campaign
51	02/03/2024	Dr. Gokul G. Nair & Ancy Sam	Jawala 2: Women's Day Celebration & Self Defene Class
52	02/03/2024	Dr. Gokul G. Nair & Ancy Sam	Beti Bachao Beti Padavo: Anemia Screening and Awareness Class-
53	06/03/2024	Dr. Gokul G. Nair & Ancy Sam	Voter Awareness Pledge: Mera Pehla Vote Desh Ke Liye
54	07/03/2024	Dr. Gokul G. Nair & Ancy Sam	Merit Day Celebration at Adopted School
55	16/03/2024	Dr. Gokul G. Nair & Ancy Sam	Job Fest-Recruitment Drive
56	19/03/2024	Dr. Gokul G. Nair & Ancy Sam	Walkathon- Anti drug Awareness
57	21/03/2024	Dr. Gokul G. Nair & Ancy Sam	VIVA Camp: Anemia Screening for Women

NCC

List of the programmes conducted during the academic year 2023-24

Sl.No.	Date	Convenor/Coordinator	Title of the Programme
1.	05.06.2023	Capt.Jijo K Joseph	World Environment Day
2.	14.06.2023	Capt.Jijo K Joseph	World Blood Donors Day
3.	21.06.2023	Capt.Jijo K Joseph	International Day of Yoga
4.	05.07.2023	Capt.Jijo K Joseph	International year of Millets 2023
5.	10.07.2023	Capt.Jijo K Joseph	Puneet Sager Abhayan programme
6.	15.08.2023	Capt.Jijo K Joseph	Independence Day Flag Hoisting
7.	08.09.2023	Capt.Jijo K Joseph	“World Suicide Prevention Day”
8.	25.09.2023	Capt.Jijo K Joseph	Blood Donation Camp
9.	04.11.2023.	Capt.Jijo K Joseph	Be Smart
10.	20.01.2024	Capt.Jijo K Joseph	NCC Fest namely ‘JASHAN’

Career Guidance And Placement Cell

List of the programmes conducted during the academic year 2023-24

Sl.No.	Date	Convenor & Co-ordinator	Title of the Programme
1	12/12/2023	Dr. Vinod K Raju	Recruitment Drive in association with IQAC
2	14/12/2023	Dr. Vinod K Raju	How to plan your Career
3.	09.01.2024	Dr. Vinod K Raju	Be the CEO of Future in association IQAC
4.	09.01.2024	Dr. Vinod K Raju	Crafting the Blue Print of Academic Inquiry in association IQAC
5.	17.01.2024	Dr. Vinod K Raju	Carrer Guidance and Development Programme-PASSWORD 2023-24 in association IQAC
6.	22.03.2024	Dr. Vinod K Raju	Digital Workforce Management System in association with IQAC
7.	23.03.2024	Dr. Vinod K Raju	Recruitment Drive in association with IQAC

INTERNAL QUALITY ASSURANCE CELL CATHOLICATE COLLEGE, PATHANAMTHITTA

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NAAC RE-ACCREDITED A⁺⁺ GRADE
WITH CGPA 3.53 ESTD.1952



10th JANUARY 2024

To:

The Principal,
Catholicate College,
Pathanamthitta

Subject: Proposal for Submission of NIRF Data for College Ranking 2024

Dear Madam,

I am writing to propose the submission of our institution for the National Institutional Ranking Framework (NIRF) for the upcoming academic year. NIRF is an initiative by the Ministry of Education, Government of India, aimed at promoting quality and excellence in higher education through systematic evaluation and ranking.

Parameters for NIRF Ranking Analysis:

1. Teaching, Learning & Resources (TLR)

- ❖ Student Strength (SS)
- ❖ Faculty-Student Ratio (FSR) with emphasis on Permanent Faculty.
- ❖ Combined Metric for Faculty with Ph.D. (or equivalent) and Experience (FQE)
- ❖ Total Budget and Its Utilisation (CBTU)

2. Research and Professional Practices (RP)

- ❖ Combined Metric for Publications (PU)
- ❖ Combined Metric for Quality of Publications (QP)

3. Graduation Outcomes (GO)

- ❖ Metric for University Examinations (GUE)
- ❖ Metric for Placement and Higher Studies (GPH)
- ❖ Metric for Median Salary (GMS)

4. Outreach and Inclusivity (OI)

- ❖ Percentage of Students from Other States/Countries (Region Diversity RD)
- ❖ Percentage of Women (Women Diversity WD)
- ❖ Economically and Socially Challenged Students (ESCS)
- ❖ Facilities for Physically Challenged Students (PCS)

INTERNAL QUALITY ASSURANCE CELL

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5. Perception (PR)

- ❖ Peer Perception (Employers, Research Investors, Academicians, and Public Perception)

Proposed Plan for NIRF Submission:

1. Data Collection and Compilation:

- Establish a dedicated team for gathering required data across all departments.
- Ensure accuracy and comprehensiveness in data collection.

2. Analysis and Review:

- Conduct thorough analysis in alignment with NIRF parameters.
- Internal audits and reviews to validate the data.

3. Documentation and Reporting:

- Prepare detailed reports and documentation supporting each parameter.
- Collaborate with faculty members and administrative staff to streamline documentation.

4. Submission and Follow-Up:

- Timely submission of the compiled data to the NIRF portal.
- Follow-up with the NIRF team for any additional requirements or clarifications.

Benefits of NIRF Participation:

- Enhanced Institutional Reputation: Ranking can significantly boost our college's reputation at the national level.
- Improved Academic Quality: The feedback from NIRF can help us identify areas of improvement and enhance our academic and research quality.
- Increased Student Enrollment: Higher rankings attract better student admissions and faculty applications.
- Funding Opportunities: Better rankings can open up new avenues for grants and funding from various governmental and non-governmental agencies.

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I seek your approval to proceed with the necessary steps to prepare for the NIRF submission. This initiative aligns with our commitment to academic excellence and continuous improvement. I am confident that with your support and the collective effort of our college community, we can achieve a commendable ranking in the NIRF.

Convenor: Dr. Soosen Samuel M

Coordinator: Dr. George Thomas

Yours sincerely,

George Thomas
IQAC Coordinator

DR. SINDU JONES
Principal
Catholicate College
Pathanamthitta-689 643



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20th JANUARY 2024

To:

The Principal,
Catholicate College,
Pathanamthitta

Subject: Proposal for Submission of AISHE Survey for Catholicate College, Pathanamthitta

Dear Madam,

As the coordinator of the Internal Quality Assurance Cell (IQAC) at Catholicate College, I am writing to propose the timely submission of our data for the **All India Survey on Higher Education (AISHE)**. This survey is crucial for assessing and improving the quality of higher education across the country, and our active participation will reflect our commitment to maintaining and enhancing academic standards.

Objectives:

- ❖ **Accurate Data Collection:** To gather comprehensive data reflecting various aspects of our institution's functioning.
- ❖ **Compliance:** To ensure compliance with the Ministry of Education's mandate for the submission of AISHE data.
- ❖ **Institutional Development:** To identify areas of improvement and leverage AISHE data for institutional growth and policy making.
- ❖ **Benchmarking:** To benchmark our performance against other institutions and implement best practices.

Parameters of AISHE for Colleges:

To ensure a thorough and accurate submission, the following key parameters, as outlined by AISHE, will be meticulously analyzed and reported:

Basic Details:

- ❖ Name, address, year of establishment, and management type.
- ❖ Affiliation details and year of autonomy, if applicable.

Programs Offered:

- ❖ List of programs and courses offered (UG, PG, Diploma, PhD).
- ❖ Details about the course structure, duration, and intake capacity.

INTERNAL QUALITY ASSURANCE CELL

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Teaching Staff:

- ❖ Number of full-time and part-time faculty.
- ❖ Qualifications, specializations, and experience of faculty members.
- ❖ Student-teacher ratio.

Non-Teaching Staff:

- ❖ Number and categories of non-teaching staff.
- ❖ Roles and responsibilities within the institution.

Student Enrolment:

- ❖ Number of students enrolled in each program by year and gender.
- ❖ Student demographics including socio-economic background and category (SC/ST/OBC/General).

Examination Results:

- ❖ Pass percentage for each program and course.
- ❖ Trends in student performance over the past few years.

Infrastructure:

- ❖ Details of academic and administrative buildings.
- ❖ Availability of classrooms, laboratories, libraries, and other facilities.

Financial Information:

- ❖ Annual budget allocation and expenditure.
- ❖ Sources of funding including grants and donations.

Scholarships and Financial Aid:

- ❖ Types of scholarships and financial aid provided to students.
- ❖ Number of beneficiaries for each type of financial support.

Accreditation and Awards:

- ❖ Details of accreditation by NAAC, NBA, or other bodies.
- ❖ Awards and recognitions received by the institution, faculty, and students.

Action Plan:

- ❖ Data Collection: Formation of a dedicated team to collect and verify the required data from various departments.
- ❖ Data Verification: Cross-verification of collected data to ensure accuracy and completeness.

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- ❖ **Compilation and Analysis:** Compilation of data in the prescribed format and preliminary analysis to identify key insights.
- ❖ **Submission:** Timely submission of the compiled data on the AISHE portal before the deadline.
- ❖ **Review and Feedback:** Post-submission review to gather feedback and address any discrepancies highlighted by the AISHE team.

The submission of AISHE data is not merely a statutory requirement but a strategic exercise to understand and improve our institutional capabilities. I request your approval to proceed with the necessary steps and allocate resources for the successful completion of this task. Your support and guidance will be instrumental in ensuring that Catholicate College continues to uphold its commitment to excellence in higher education.

Thank you for your consideration.

Convenor: Dr. Beena Koshy

Coordinator: Dr. Bincy P J

Yours sincerely,

George Thomas
IQAC Coordinator

DR. SINDU JONES
Principal
Catholicate College
Pathanamthitta-689 645



INTERNAL QUALITY ASSURANCE CELL CATHOLICATE COLLEGE, PATHANAMTHITTA

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26th JANUARY 2024

To:

The Principal,
Catholicate College,
Pathanamthitta.

Subject: Proposal for Submission of Key Indicator Reference Framework (KIRF) for Catholicate College

Respected Madam,

I am writing to propose the submission of the Key Indicator Reference Framework (KIRF) for Catholicate College, Pathanamthitta. The KIRF is an essential tool for the systematic analysis and enhancement of our institutional performance across various key areas. It provides a structured approach to evaluating the effectiveness of our academic and administrative processes, ensuring continuous improvement and compliance with accreditation standards.

Objectives of KIRF Submission

- ❖ 1. Benchmarking Institutional Performance: To assess and compare our college's performance against established benchmarks and identify areas for improvement.
- ❖ 2. Quality Enhancement: To implement quality enhancement initiatives based on the insights derived from the KIRF analysis.
- ❖ 3. Accreditation Compliance: To ensure compliance with accreditation bodies' requirements, thereby improving our chances of attaining or maintaining accreditation status.
- ❖ 4. Strategic Planning: To inform and support the strategic planning process of the college by providing detailed performance data.

Key Parameters for Analysis in KIRF

The KIRF covers a broad spectrum of parameters critical to the functioning of higher educational institutions. The following are the key parameters proposed for analysis:

1. Curricular Aspects

- Curriculum Design and Development
- Academic Flexibility
- Curriculum Enrichment
- Feedback System

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2. Teaching-Learning and Evaluation

- Student Enrollment and Profile
- Catering to Student Diversity
- Teaching-Learning Process
- Teacher Quality
- Evaluation Process and Reforms
- Student Performance and Learning Outcomes

3. Research, Innovations, and Extension

- Promotion of Research and Facilities
- Resource Mobilization for Research
- Innovation Ecosystem
- Research Publications and Awards
- Consultancy
- Extension Activities and Institutional Social Responsibility
- Collaboration

4. Infrastructure and Learning Resources

- Physical Facilities
- Library as a Learning Resource
- IT Infrastructure
- Maintenance of Campus Infrastructure

5. Student Support and Progression

- Student Support
- Student Progression
- Student Participation and Activities
- Alumni Engagement

6. Governance, Leadership, and Management

- Institutional Vision and Leadership
- Strategy Development and Deployment
- Faculty Empowerment Strategies
- Financial Management and Resource Mobilization
- Internal Quality Assurance System

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7. Institutional Values and Best Practices

- Institutional Values and Social Responsibilities
- Best Practices
- Institutional Distinctiveness

Implementation Plan

- a) Data Collection: Systematic collection of data from various departments and units within the college.
- b) Data Analysis: Analysis of the collected data to identify strengths, weaknesses, opportunities, and threats
- c) Report Preparation: Preparation of a comprehensive report based on the KIRF parameters.
- d) Feedback and Review: Soliciting feedback from stakeholders and reviewing the findings for accuracy and comprehensiveness.
- e) Submission: Formal submission of the KIRF to the relevant accreditation bodies and internal stakeholders.

Benefits of KIRF Submission

- ❖ Enhanced understanding of institutional performance.
- ❖ Data-driven decision-making and policy formulation.
- ❖ Improved academic and administrative processes.
- ❖ Greater transparency and accountability.
- ❖ Strengthened reputation and credibility with stakeholders.

The submission of the KIRF is crucial for the continuous development of Catholicate College. I seek your approval and support to initiate this process and ensure its successful completion.

I look forward to your positive response.

Convenor: Dr. Saino Hanna Varghese

Coordinator: Dr. Aswathy Joseph

Yours sincerely,

George Thomas

IQAC Coordinator

DR. SINDU JONES
Principal
Catholicate College
Pathanamthitta-689 645



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26th MARCH 2024

To:

The Principal,
Catholicate College,
Pathanamthitta

Subject: Proposal for Submission of FIST Assistance for Catholicate College

Respected Madam,

I am writing to present a proposal for seeking assistance under the Fund for Improvement of S&T Infrastructure (FIST) program, initiated by the Department of Science and Technology (DST), Government of India. This initiative aims to strengthen the infrastructure of science departments in colleges, particularly those excelling in science and technology, which can significantly enhance our institution's research capabilities and academic standing.

Objectives of the FIST Program:

- Strengthening the existing infrastructure in higher educational institutions.
- Facilitating better teaching and research in science and technology.
- Enhancing the capacity to conduct cutting-edge research and promote innovation.
- Providing modern equipment and facilities to support academic programs.

Parameters for FIST Assistance Analysis:

To ensure a robust and compelling application, the following key parameters will be analyzed and included in our proposal:

1. Academic Excellence:

- ❖ Analysis of our institution's current academic programs in science and technology.
- ❖ Details of faculty qualifications, research publications, and ongoing projects.
- ❖ Student performance metrics and alumni achievements in the field of science and technology.

2. Existing Infrastructure:

- ❖ Detailed inventory of current laboratory facilities, equipment, and resources.
- ❖ Assessment of the current condition and utilization of existing infrastructure.
- ❖ Identification of gaps and areas needing enhancement or modernization.

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3. Proposed Infrastructure Enhancements:

- ❖ Specific requirements for new equipment, laboratories, and technological tools.
- ❖ Cost estimates and justifications for each proposed enhancement.
- ❖ Strategic plan for the utilization of new facilities to boost research and academic quality.

4. Research and Development Activities:

- ❖ Overview of current and past research projects undertaken by the faculty and students.
- ❖ Collaborations with other research institutions, industry partnerships, and interdisciplinary projects.
- ❖ Future research goals and how the FIST program will facilitate their achievement.

5. Impact on Education and Research:

- ❖ Expected outcomes in terms of improved teaching methods, research quality, and innovation.
- ❖ Long-term benefits for students, faculty, and the broader scientific community.
- ❖ Potential for increased publication rates, patent filings, and other research outputs.

6. Management and Sustainability Plan:

- ❖ Detailed plan for the management and maintenance of the new infrastructure.
- ❖ Strategies for ensuring sustainability and continuous upgradation of the facilities.
- ❖ Institutional commitments towards supporting the ongoing operation and development of the facilities.

For proposals seeking FIST support from Non-Government Organizations (including all Government aided PG Colleges) at any Level (A/B/C/ SHAKTI) can be considered for funding provided 25% of the total support as recommended by the Expert Committee or actual expenditure within the final sanctioned budget (whichever is less) comes from the respective University/ College/ Institute. Any over expenditure above the final sanctioned amount [including DST commitment @75% of sanctioned budget] would be borne by the Grantee Institute.

ESTIMATED BUDGET: Total Rs. 1.5 Crores.

Grant Head		Budget Heads	Total INR Cost
A Capital (C)	A1	Equipment (Research)	
		Benchtop x-ray diffractometer	41,00,000
		Uv visible spectrometer	6,72,000
		Electrochemical workstation	11,00,000
		High Performance Workstation for theoretical research	6,57,000
		Equipment (Teaching & Research)	
	Science Departments	Interactive Panel for ICT enabled Teaching (10 Nos.@* Rs. 1,09,000)	10,90,000
	Physics	Digital Storage Oscilloscope Two Channel 100MHz, 1Gs/s Sampling, 7" LCD Color Display, 800x480 WVGA LCD Display (8 Nos.)	2,88,000
		Function Generator 5MHz with Capacitive touch Selection Sine,Square, Triangle Waveforms with Voltage and Amplitude Display, Output Short circuit protection (6 Nos.)	87,000
		Electron Spin Resonance Spectrometer	55,400
		Hall Effect Experiment Apparatus	10,5000
		Four Probe Apparatus	29,000
		Quinck's Tube Apparatus	98,000
		Digital Analytical Electronic Weighing Balances	25,000
		Magnetic Stirrer with hot plates	28,500
		Laser Optics Lab Kit Make: Holmark	3,18,000
		Photo Diode Characteristics Apparatus with Digital display	20,000
		Thermo Electric Effect Apparatus	35,500
		Planck's Constant- Photo Electric Effect Apparatus	25,800
		Thomson's e/m measurement setup	37,000
Dielectric Constant and Curie Temperature Experimental setup		47,000	

	Chemistry	Analytical Balance (Shimadzu)	1,41,600
		Fume Exhaust Hood (ROTEK)	1,00,300
		Hot Air Oven	50,000
		Autoclave (25ml, 5 Numbers)	58,000
		Vacuum filtration apparatus with buchner funnel	20,000
		Digital potentiometer	18,000
		Digital conductivity meter	18,000
		Digital pH meter	28,000
		Water bath	12,000
		Ultracentrifuge	2,00,000
		Tubular Furnace with programmable controller	2,50,000
		Quartz tube Sealing station	2,50,000
		Digital Ultrasonicator	30,700
		Mortar and pestle (2 Numbers)	15,000
		Melting Point Apparatus	8,100
	Botany	Stereo dissection microscope	47,200
		Shaker for suspension culture	3,71,700
		Hotplate with magnetic stirrer	47,200
		Fluorescent microscope	6,83,959
		Micro pipettes of variable volume	49,855
	Zoology	Autoclave 23 litre	59000.00
		Laboratory Incubator with Digital PID controller	64900.00
		Water Double distillation unit	53100.00
		Glass Filtration System with vacuum pump	25960.00
		Homogenizer	17700.00
		Hot air oven	29500.00
		Laminar air flow chamber	236000.00
		Micropipette	33040.00
		Orbital shaking incubator	354000.00
		Electronic balance (2 Nos.)	141600.00
		Digital Microscopy Camera	41300.00
		Digital colony counter Model LT-36	6844.00
		Specimen jar with backlited cap 180 ml (50 Nos.)	3510.50
		Specimen jar with backlited cap 250 ml (50 Nos.)	4454.50
		Specimen jar with backlited cap 500 ml (75 Nos.)	11151.00

		Specimen jar with backlited cap 1000 ml (75 Nos.)	14248.5
		Specimen jar with backlited cap 1500 ml (25 Nos.)	6637.5
		Whatman Glass Microfiber Filter Diameter 47mm; 100 circles (2 Nos.)	11254.00
		ORBIT compound microscope monocularASI – 20 inclination 90° (12Nos.)	87792.00
	A2 (Fixed %)	Infrastructure * Max. @ 8% of Equipment cost (Capital) *Plant conservatories, Plant tissue culture lab and herbarium (Rs:100000) 3 KVA online ups with 75 Ah 6nos of battery 1 No.) Rs.100,000 Microbiology Lab Renovation – (Rs:100000) Renovation of existing computer lab- (Rs 570000) Renovation and up gradation of chemistry PG lab- (Rs100000)	977000
	A3 (Fixed % and Level)	Networking (Computer Lab) Max. @ 5% of Project cost (Capital)	7,50,000
B General (G)	B1 (Fixed @ Project cost)	Industrial R&D support * [@Rs.1.0 L (Project cost ^s ≤ Rs 100.0 L)][@Rs.2.0 L (Project cost ^s >Rs 100.0 L)]	200000
	B2 (Fixed)	SSR Activities ^s # (@Rs. 1.0 L)	100000
	B3 (Fixed % @ Project cost)	Maintenance [@10% Project cost]	1500000
TOTAL: [A (Capital) + B (General)]			15000000

PROJECT IMPLEMENTATION GROUP

The Project Implementation Group (PIG) is constituted with the following faculty members who will be responsible and accountable for the smooth implementation of the DST FIST Project at the Department/ Centre/ School/ PG College. PIG Members need to be from the same Department/ Centre/ School/ PG College.

Please note: Whoever occupies the positions of Head, Chairman, Dean of the Department, or Principal of the college shall automatically become a member of the PIG.

S. No.	Name of Faculty Member	Designation, / Affiliation, / Phone, /email id, /DOB
1	Dr. Raneesh B	Coordinator, FIST 2024 & Assistant Professor Department of Physics +91 96459 04101 raneesh.b@catholicatecollege.ac.in raneesh.b@gmail.com
2	Dr. Binoy T Thomas	Bursar, Professor & HoD, Department of Botany +919447087024 binoytt@catholicatecollege.ac.in bttkripa@gmail.com
3	Dr. George Thomas	IQAC Coordinator Assistant Professor Department of Physics +91 9846415414 georgethomas@catholicatecollege.ac.in geonce@gmail.com
4	Dr. Kiran Joseph	Assistant Professor Department of Zoology +91 9847114285 kiranjoseph@catholicatecollege.ac.in kiranj007@gmail.com
5	Dr. Nisha Joseph	Assistant Professor Department of Botany +91 94951 10887 nishajoseph@catholicatecollege.ac.in nishajose2007@gmail.com
6	Dr. Jinu P Y	Assistant Professor Department of Chemistry +91 9445280892 jinupy@catholicatecollege.ac.in pyjinu@gmail.com
7	Ms. Saira Kurian	Assistant Professor Department of Mathematics +91 9778151233 sairakurian@catholicatecollege.ac.in sairakurian@gmail.com

The submission of this proposal for FIST assistance is a strategic step towards elevating the academic and research standards of Catholicate College. By securing this funding, we aim to provide our students and faculty with state-of-the-art facilities, thus fostering an environment of excellence in science and technology education and research. We seek your approval to move forward with the application process and commit the

necessary resources to prepare a comprehensive and competitive proposal. Your support and guidance will be crucial in this endeavor.

Thank you for considering this proposal. I am looking forward to your positive response.

Coordinator: Dr. Raneesh B

Yours sincerely,

Yours sincerely,



George Thomas
IQAC Coordinator



DR. SINDU JONES
Principal
Catholicate College
Pathanamthitta-689 645



INTERNAL QUALITY ASSURANCE CELL CATHOLICATE COLLEGE, PATHANAMTHITTA

AFFILIATED TO MAHATMA GANDHI
UNIVERSITY KOTTAYAM, KERALA

NAAC RE-ACCREDITED A⁺⁺ GRADE
WITH CGPA 3.53 ESTD.1952



15th FEBRUARY 2024

To:

The Principal,
Catholicate College,
Pathanamthitta, Kerala – 689645

Subject: Proposal for Submission of RUSA Assistance

Respected Madam,

As the Internal Quality Assurance Cell (IQAC) coordinator, I am writing to propose the submission of an application for financial assistance under the Rashtriya Uchchar Shiksha Abhiyan (RUSA) program for our esteemed institution, Catholicate College, Pathanamthitta. This proposal outlines the key parameters of RUSA and provides a detailed analysis to support our application.

Parameters of RUSA for Colleges:

1. Governance and Management:

- Leadership: Strategic planning and execution under effective leadership.

2. Infrastructure Development:

- Classrooms and Laboratories: Modernization and enhancement of existing facilities.
- Library: Upgradation with digital resources and access to e-journals.
- IT Infrastructure: Improved internet connectivity and smart classrooms.

3. Academic Excellence:

- Curriculum Development: Revision and updating of curriculum to meet industry standards.
- Faculty Development: Training programs, workshops, and higher studies support.
- Research and Innovation: Encouraging research projects and innovation among faculty and students.

4. Student Support and Progression:

- Scholarships and Financial Aid: Providing support to economically weaker sections.
- Career Counseling and Placement: Establishment of a robust placement cell.

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- Skill Development Programs: Enhancing employability through skill-based courses.

5. Equity and Inclusion:

- Diversity: Ensuring inclusive education and equal opportunities for all.

- Facilities for Differently-Abled Students: Accessible infrastructure and learning resources.

6. Quality Assurance:

- Accreditation and Ranking: Achieving higher scores in NAAC, NIRF, and other rankings.

- Feedback Mechanism: Regular feedback from stakeholders for continuous improvement.

- Monitoring and Evaluation: Regular assessment of academic and administrative activities.

Current Status:

1. Infrastructure:

- Existing facilities are adequate but require modernization.

- IT infrastructure needs significant enhancement to support digital learning.

2. Academic Programs:

- Curriculum needs periodic updates to keep pace with global standards.

- Limited faculty development initiatives and research opportunities.

3. Student Services:

- Career counseling and placement services are in nascent stages.

- Financial aid and scholarships are insufficient to meet current demand.

Proposed Improvements:

1. Infrastructure:

- Construction of new classrooms and laboratories.

- Upgradation of the library with digital resources.

- Enhancement of IT infrastructure with high-speed internet and smart classrooms.

2. Academic Excellence:

- Introduction of industry-oriented courses and regular curriculum updates.

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- Faculty development programs to enhance teaching and research skills.
- Establishment of research centers and incubation cells.

3. Student Support:

- Strengthening the placement cell with dedicated staff and resources.
- Expanding scholarship programs and introducing new financial aid schemes.
- Launching skill development and vocational training programs.

Budget Estimate:

A detailed budget will be prepared outlining the specific financial requirements for each proposed improvement. Preliminary estimates suggest a requirement of approximately INR 5 crores, which will be utilized across various parameters including infrastructure development, academic enhancement, and student support services.

Catholicate College, Pathanamthitta has the potential to significantly benefit from RUSA assistance, which will help us in achieving higher standards of education and holistic development for our students. I request your approval to proceed with the preparation and submission of the RUSA application, detailing our plans and financial requirements.

I am confident that with your support, we can secure the necessary funding and take our college to greater heights of academic excellence.

Thank you for considering this proposal.

Coordinor: Dr. Anoop P D

Yours sincerely,

Yours sincerely,

George

IQAC Coordinator



Thomas

DR. SINDU JONES
Principal
Catholicate College
Pathanamthitta-689 645

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27.02.2024

Principal
Catholicate College
Pathanamthitta, Kerala

Subject: Proposal for Conducting Seminar for FYUGP Programme under NAAC Assistance

Dear Madam,

As the Coordinator of the Internal Quality Assurance Cell (IQAC) at Catholicate College, Pathanamthitta, I am writing to propose the organization of a seminar aimed at enhancing the First Year Undergraduate Programme (FYUGP) under the National Assessment and Accreditation Council (NAAC) assistance framework.

Objectives

The primary objectives of the seminar are as follows:

1. Enhancing Quality of Education: To improve the overall quality of education and learning outcomes for first-year undergraduate students.
2. Faculty Development: To provide our faculty with the latest pedagogical strategies and tools to better engage students.
3. Student Engagement: To foster a more engaging and participative learning environment for new students.
4. NAAC Compliance: To align our college's educational practices with NAAC's quality parameters, thereby aiding in our future accreditation processes.

Proposed Seminar Details

We kindly request financial assistance from NAAC to support the successful conduct of this seminar. The seminar aligns with NAAC's emphasis on quality enhancement and institutional improvement.

This seminar will be a significant step towards enriching the academic environment for our first-year undergraduate students and equipping our faculty with advanced educational tools and methodologies. We believe that with the support of NAAC, we can achieve these objectives and set a benchmark for quality education.

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I kindly request you to consider this proposal and grant approval for proceeding with the necessary arrangements.

Thank you for your consideration.

Yours sincerely,

George
IQAC Coordinator



Thomas

DR. SINDU JONES
Principal
Catholicate College
Pathanamthitta-689 645

INTERNAL QUALITY ASSURANCE CELL

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18.01.2024

To,

The Principal
Catholicate College
Pathanamthitta

Subject: Proposal to Establish a Business Incubation Centre - CATH BIIC

Respected Madam,

I am writing to propose an exciting new initiative that aligns with our college's mission to foster innovation, entrepreneurship, and skill development among our students and the local community. After thorough deliberation and consultation with various stakeholders, IQAC proposes the establishment of the "CATH Business Incubation and Innovation Centre" (CATH BIIC).

Objectives of CATH BIIC

- To inculcate entrepreneurial culture among the students.
- To enhance self-employment opportunities.
- To organize competitions to sensitize students towards business/ entrepreneurship.
- To orient students to work on their innovative ideas and to develop their business skills using the resources available within and outside the college.
- To invite industrial experts for personal grooming.
- To arrange interactive sessions with successful entrepreneurs.
- To organize industrial visits to business enterprises.
- To spread awareness among students and faculty regarding IPR.
- To strengthen industry interaction of the institution and generate revenues through consultancy work and student start-up

Types of Services

- ✚ Pre-Incubation services
- ✚ Access to modern product innovation centre with facilitated laboratory
- ✚ Assistance for preparing business plan and setting up a company
- ✚ Training to develop business skills
- ✚ Mentor support
- ✚ Helping to promote the products
- ✚ Helping to get Financial support
- ✚ Networking with other entrepreneurs, customers and support agencies
- ✚ Selection Procedure & Support for Incubation

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Executive members

- ❖ Director-Principal
- ❖ Head
- ❖ Manager
- ❖ IQAC coordinator
- ❖ All coordinators/Nodal officers of IEDC, IIC, YIP, Entrepreneurship club, Employment club etc

Proposed Structure and Functioning

1. Infrastructure:

A dedicated space within the college premises equipped with high-speed internet, meeting rooms, and office supplies.

Workstations for incubatees with access to computers, printers, and other necessary hardware.

2. Resources:

- Access to the college's existing resources including libraries, laboratories, and technical equipment.
- Collaboration with external organizations for additional resources and support.

3. Mentorship and Networking:

- A network of experienced mentors from various industries to provide guidance.
- Regular networking events to connect incubatees with potential investors, industry experts, and successful entrepreneurs.

4. Training Programs:

- Workshops and seminars on critical business topics such as business plan development, marketing strategies, financial management, and legal aspects of running a business.
- Specialized training modules designed to address the unique challenges faced by startups.

5. Funding Assistance:

- Guidance on accessing various funding sources including government grants, angel investors, venture capitalists, and crowdfunding platforms.
- Assistance in preparing funding proposals and pitch presentations.

Benefits to the College and Community

- Enhanced Reputation:** Establishing CATH BIIC will position our college as a leader in entrepreneurship education and innovation, attracting prospective students and faculty.
- Increased Engagement:** Greater involvement of students, faculty, and alumni in entrepreneurial activities, fostering a vibrant and dynamic campus environment.

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3. **Economic Impact:** Creation of new businesses and job opportunities, contributing to the economic growth of our region.

Implementation Plan

To ensure the successful establishment of CATH BIIC, the following steps are proposed:

1. **Formation of a Steering Committee:** Comprising faculty members, industry experts, and student representatives to oversee the project.
2. **Detailed Feasibility Study:** Conduct a comprehensive study to understand the requirements and potential challenges.
3. **Securing Funding:** Identify and secure initial funding for the setup and operation of the incubation centre.
4. **Pilot Phase:** Launch a pilot phase with a limited number of startups to test and refine the incubation process.
5. **Full-Scale Launch:** Based on the outcomes of the pilot phase, proceed with the full-scale launch of CATH BIIC.

Conclusion

The establishment of CATH BIIC represents a significant step towards fostering a culture of innovation and entrepreneurship at our college. I am confident that with the collective efforts of our faculty, students, and industry partners, this initiative will achieve great success and bring substantial benefits to our institution and the wider community.

I look forward to discussing this proposal further and exploring the next steps towards making CATH BIIC a reality.

Yours sincerely,

George Thomas

IQAC Coordinator

DR. SINDU JONES
Principal
Catholicate College
Pathanamthitta-689 644



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24.01.2024

To,

The Principal
Catholicate College
Pathanamthitta

Subject: Proposal for the Establishment of a Media Club

Dear Madam,

As the IQAC coordinator, I am constantly seeking avenues to enhance the holistic development of our students and to promote a vibrant academic environment within our esteemed institution. In line with this vision, I would like to propose the establishment of a Media Club within our college. In today's digital age, media literacy and creative expression through various mediums such as photography, videography, graphic design, and journalism are essential skills for students to cultivate. A Media Club would serve as a platform for students to explore these areas and harness their talents in a structured and supportive environment.

Key objectives and benefits of initiating a Media Club:

- 1. Promotion of Creativity:** The club will provide students with opportunities to unleash their creativity and express themselves through various media forms. This will foster innovation and critical thinking skills among participants.
- 2. Skill Development:** Through workshops, seminars, and hands-on projects, students will have the chance to develop practical skills in areas such as photo editing, video production, content creation, and digital storytelling.
- 3. Enhanced Communication Skills:** Engaging in media-related activities will help students improve their communication skills, both written and verbal, as they collaborate with peers, conduct interviews, and present their work to wider audiences.
- 4. Community Engagement:** The Media Club can play a vital role in documenting college events, highlighting achievements, and showcasing the diverse talents of our student body. This will foster a sense of community and pride among students, faculty, and staff.

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5. Career Opportunities: In addition to serving as a creative outlet, involvement in the Media Club can also open doors to various career paths in media, journalism, advertising, and digital marketing. It will provide students with valuable experience and portfolio materials for their future endeavors.

To ensure the success and sustainability of the Media Club, I propose the formation of a dedicated faculty advisor team comprising individuals with expertise in media production and communication studies. This team will oversee the club's activities, mentor students, and facilitate collaborations with relevant industry partners and media professionals. I am confident that the establishment of a Media Club will enrich the academic experience of our students and contribute to the vibrant culture of our college community. I kindly request your support and approval for this initiative. Your guidance and endorsement will be invaluable in realizing this vision.

Yours sincerely,

George Thomas
IQAC Coordinator

DR. SINDU JONES
Principal
Catholicate College
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22.01.2024

To,

The Principal
Catholicate College
Pathanamthitta

Subject: Establishment of the Student Level Quality Assurance Cell (SQAC)

Respected Madam,

In accordance with the attached by-law, IQAC proposes the establishment of the Student Level Quality Assurance Cell (SQAC) within our institution. The SQAC aims to continuously enhance academic quality by actively involving students in various quality assurance processes. Below, I outline the proposal for your consideration.

Objectives of the SQAC

1. Fostering a Culture of Student Responsibility and Engagement:

- Develop programs and initiatives to encourage active participation in college activities, clubs, and community service.
- Assist the IQAC in organizing workshops and seminars to enhance students' understanding of their role in the institution's growth.
- Establish platforms for students to voice their opinions, suggestions, and concerns, fostering a sense of ownership and responsibility towards the college's welfare.

2. Facilitating Effective Communication and Participation in Decision-Making:

- Ensure student representation in decision-making processes by involving student leaders or elected representatives in IQAC meetings or relevant committees.
- Regularly disseminate information and directives from the IQAC to the student body through newsletters, social media, or student forums.

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- Encourage feedback mechanisms to gather students' opinions on key decisions, ensuring their perspectives are considered in the decision-making process.

Composition of the SQAC

The SQAC will comprise the following members:

- IQAC Chairperson
- Student representatives in the IQAC Composition (Coordinator & Joint Coordinator)
- Union Chairperson and Vice-Chairperson (to be added once the students' union is functional)
- One student from each department nominated by HoDs
- Staff advisors (Two faculty members)
- Joint IQAC coordinators
- IQAC coordinator

Membership and Representation:

Heads of Departments (HoDs) will nominate student representatives who have a keen interest in academic quality enhancement and are committed to improving the educational experience.

Patron:

The Chairperson of the IQAC will serve as the patron of the SQAC.

Term and Meetings

- Each SQAC will be constituted for a term of one academic year.
- Reconstitution or adjustments in the SQAC structure will occur annually to ensure fresh perspectives and sustained commitment to quality enhancement.
- The SQAC will meet at least once every quarter.

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Support and Resources

The IQAC will provide the necessary support, resources, and guidance to the SQAC to ensure effective functioning and successful implementation of quality enhancement initiatives. This includes access to relevant data, resources, and tools required for learning purposes.

Conclusion

The establishment of the SQAC is a strategic move to foster a collaborative environment where students play an active role in the quality assurance processes of our college. By integrating student perspectives, we can ensure that our academic programs and initiatives are aligned with their needs and expectations, thereby enhancing the overall educational experience.

I kindly request your approval for the establishment of the SQAC as per the guidelines outlined in the attached by-law. Your support in this initiative will be instrumental in achieving our goal of continuous academic quality enhancement.

Yours sincerely,

George Thomas

IQAC Coordinator

DR. SINDU JONES
Principal
Catholicate College
Pathanamthitta-689 644



**CATHOLICATE COLLEGE
PATHANAMTHITTA**

**ACADEMIC ADMINISTRATIVE AUDIT
FOR DEPARTMENTS**

**AUDIT DATA SOURCE
2023 - 24**



Name of the Department: ENGLISH



BASIC PROFORMA ABOUT THE DEPARTMENT

Name of the Department : **ENGLISH**

Total Teaching staff members : **17 +1 MANAGEMENT**

Total Permanent Teaching staff members : **10**

Programmes offered :

B.A ENGLISH MODEL I (ENGLISH LANGUAGE AND LITERATURE)

M.A ENGLISH

FIVE YEAR MA INTEGRATED PROGRAMME IN LANGUAGES: ENGLISH

Total Teachers with PhD : **01**

Average teaching experience of Teachers : **10**

Total Non-teaching Staff members : **NIL**

Total students during 2023-24

Courses	Male	Female	Total
I BA English	19	27	46
II BA English	24	26	50
III BA English	23	28	51



I MA English	04	09	13
II MA English	03	10	13
I Integrated	01	04	05
II Integrated	02	03	05
III Integrated	03	06	09
IV Integrated	04	07	11

AUDIT RESPONSE

Curricular Aspects.

- a. Number of value added / Add on certificate courses offered: **01**
- b. Total teachers in various bodies of university
BOS. - **01**
Academic Council. - **NIL**
Examination committees. - **NIL**
- c. Is there a departmental mechanism for feedback on curriculum and its analysis? **YES**

Feedback on Curriculum

Feedback of the students is collected and the Student Satisfaction Survey is conducted at the institutional level towards the end of each academic year.

Feedback covers all aspects of teaching, learning, evaluation, governance

Responses of the students of the Department are sorted and analysed.

Corrective measures are taken after adequate deliberations and an Action Taken Report is prepared. Feedback of this year has been collected.

- d. Methods employed for curriculum delivery

- **Bridge course**



- **Orientation Programme**
- **Lecture Method**
- **Experiential Learning**
- **IT Enabled Teaching**
- **Audio Video Lecture**
- **Blended Learning and Flipped classroom**
- **Classroom Teaching**

e. Do you prepare a teaching plan **YES**

f. Name one unique Student centric activity of the Department:

Student- centered Learning Methods

1. Zephyr Extension Activity

Book Donation in connection with Reading Day at Govt. L.P.School, Thengumkavu on 21 July, 2023 - to promote love of reading

Teaching language, vocabulary and comprehension through story based worksheets and participatory activities.

Gender Survey and Gender Awareness Programme at Govt. Model Residential School Vadasserikara (Tribal School) on 31 July, 2023 to denaturalise conventional gender roles and promote gender equality.

Teaching learning Evaluation



a. Furnish the pass percentage for degree main ...**2021-2024**.....year batch, subsidiaries ...**2**..... year batch, and PG ...**RESULT AWAITING**..... Year batch.

% pass

Postgraduate course : **RESULT AWAITING**

Degree : **81.25% pass**

Mention ranks, if any, obtained for the**9TH RANK** ... batches. (Give the total number of students who appeared for the University examination) .

TOTAL NO. OF STUDENTS APPEARED - 48

b. Please furnish details of result analysis

If yes furnish the following for degree ...**2021-2024**.....batch and PG **RESULT AWAITING**..... batch

B.A ENGLISH RESULT ANALYSIS 2021-2024

TOTAL STUDENTS APPEARED	48
TOTAL STUDENTS PASSED	39
TOTAL STUDENTS FAILED	09
TOTAL PASS PERCENTAGE	81.25%

a. Class average % marks in entry level = **81%**

b. Class average % marks in exit level = **83%**

c. Did the department design any curricula this year? Certificate Courses?

Yes ‘Certificate Course in Scientific Waste Management’

If yes, give detail



Certificate Course in Scientific Waste Management. In association with Northamps Global Ecosolutions Pvt.Ltd. Inaugurated on 3 Aug 2023.

Objective: To equip students with knowledge and practice in proper waste segregation, management and disposal. 30 hrs – Online sessions, Syllabus organised into 6 modules.

Does the department provide Remedial / Bridge / Tutorial classes?

BRIDGE COURSE Yes

REMEDIAL Yes

If yes furnish the following

1. Bridge Course for First Year Students

10 Hrs , Syllabus covers 5 Modules

Conducted from 07.08.23 to 11.08.23

Assessment Test conducted at the end of the course

Remedial classes

2. For D1, D2, D3 classes

Objective- To offer learning support to academically weak students

Target students- SC/ST/Minority/Slow learners

Coordinated by class teachers of respective classes

Sl. No.	Name of the teacher	Class for which Rem. /Bridge teaching was arranged
1.	JLJI ANNA JACOB	D1 ENGLISH
2.	CHITHRA MARY PHILIP	INTEGRATED FIRST YEAR
3.	STEVE VINCENT	I MA ENGLISH

d. Does the department employ any innovations in teaching and evaluation methods?



Yes

If yes, give details of the innovative methods employed this year.

***Digital Repository with QR Code** - E-Books, Audio books, Audio Lectures, *Avant Garde* Dept Magazine Flip Book, Powerpoint Presentations

***Audio books** for Differently-abled

e. Does the department conduct Student Teacher evaluation?

No

If yes mention the measures taken on the basis of the evaluation.

How many class rooms have smart boards **02**

f. How many teachers attended seminar/ workshop/ conference/ refresher courses / FDP etc. during (Use separate sheet if necessary)

Sl. No	Name of the faculty	Title of the seminar/ workshop/ conference etc.	Duration		Whether international/ national/ state/regional	Organizing agency
			From	To		
1.	Anu Francis	'The Essential AI Tool Kit'	12-09-2023		Regional	The Wordwatch Foundation
2.	Anu Francis	reading and researching the literature of crisis	22-01-2024	28-01-2024	One Week Online FDP	Department of Humanities and Social Sciences, NIT & UNESCO Chair in Vulnerability Studies, University of Hyderabad



3.	Chithra Mary Philip	Posthuman condition in the Antropocene	02-03-2024	03-03-2024	International	Centre for Research in Post humanities, Bankura University
4.	Chithra Mary Philip	Zotero Reference Management Software Training	06-04-2024		Regional	MGU Library
5.	Chithra Mary Philip	Digital Literacy classes	23- 05-2024	24 -05-2024	Regional	MGU Library
6.	Divya Uthup	International Seminar on Health	14-02-2924	15-02-2024	International	dept of english svrnss college vazhoor
7.	Divya Uthup	Zotero Reference Management Software Training	06-04-2024		Regional	MGU Library
8.	Tessy Thomas	Digital Literacy classes	23- 05-2024	24 -05-2024	Regional	MGU Library
9.	Tessy Thomas	Zotero Reference Management Software Training	06-04-2024		Regional	MGU Library

g. Give details of faculty members, if any, who are selected as resource persons for seminar/workshop/conference/refresher courses etc. during ...2023-2024.....? (Use separate sheet if necessary)

Sl. No	Name of faculty	Title of the seminar/ workshop/ conference	Duration		Whether international/ national/ state/regional	Organizing agency
			From	To		



1	Rijo John	Resource Person in a conference for Parents and students at High School, Perunad	16 March 2024			High School, Perunad
2	Rijo John	Resource Person in a conference for High School & Higher Secondary Students	04 March 2024			Blooming Buds Bethania Senior Secondary School
3	Rijo John	Resource Person in English Literature conference & Literati fest	01 February 2024			OEM Public School, Eraviperoor
4	Rijo John	Resource person at Seminar organized by English Literary Club	14 December 2023			Mt. Tabor Training College, Pathanam
5	Rijo John	Resource person at Seminar on Career Orientation	11 November 2023			Mar Philoxenos ITI Mylapra
6	Rijo John	Resource person at Conference on Career Guidance	13 October 2023			Dept of Botany, St. Thomas College, Kozhenchery
7	Rijo John		27 Sep 2023			Dept of English, St. Thomas



8	Rijo John	Resource person at Seminar on Academic Writing, Project Preparation & Presentation	03 August 2023			College, Thavalappara
9	Rijo John	Resource person at Orientation/Induction Programme at KG College, Pampady	05 July 2023			IQAC, K.G.College, Pampady Catholicate Higher Secondary School, Pathanamthitta
10	Rijo John	Resource person at Orientation session for Higher Secondary Students on Career Guidance	24 June 2023			St. John the Baptist College of Education
11	Anu Francis	Resource person at Career Guidance programme Aureole 2023, Inauguration of English Association and Release of Department Magazine Pegasus Papers	25 Sept. 2023			St George's College, Aruvithura



11.	Dr. Asha Philipose	Screening Committee				Henry Bakers College, Mellukavu
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h. List the student centric learning methods adopted in the department

❖ **Learning Enrichment Sessions**

1. Invited Lecture on *Rasa and Dhvani* by Dr.Raju T.G. Asst. Prof. K.E College, Mannanam
2. **Orientation Programme** on 04.08.2023 by Prof. John Kurien, Former HOD, Dept. of English, Catholocate College, Pathanamthitta
3. **Career Guidance and Future Readiness Programme- *Upskilling for Careers Ahead*** on 08.08.2023 by Jino Ponnachan, Director, Tech Meridian Academy, Calicut and Ernakulam
4. **Civil Service Orientation and General Quiz** on 17.10.2023
5. **Workshop on Research Methodology** on 16.01.2024 led by Dona Maria Saju, Asst. Prof. St. Dominic's College, Kanjirappally
6. **International Webinar – *The Contemporary Contemplative: Gender Fluidity in AI and Panpsychism in Poetry*** on 21.03.2023 by Dustin Pickering
7. **Murali Manohar Lecture- *Alchemy of Art: Traversing the Landscape of Aesthetic Evolution*** on 25.03.2023 by J.S Ananthakrishnan, Author, Translator, Prime Minister's Yuva Fellowship Awardee 2022, Senior Research Fellow , Dept of English, SreeSankara University of Sanskrit, Kalady

❖ **Experiential Learning Activities**

1. **Environment Day Celebration-*The Healers of Nature: Understanding Medicinal Plants in Our Vicinity*** on 07.06.2023
 - Talk on medicinal plants and their use by Dr. Thomas V.P, Asst. Prof. Dept of Botany
 - Collecting medicinal plants in the Campus



- Planting saplings and medicinal herbs
- Maintaining a herbal garden at home
- 2. **Field Trip to Kalleli and Kattathy Adivasi area** on 11.10.2023
 - Experiencing the biodiversity and ecosystem of Pathanamthitta
 - Visit to the tribal settlement in Kattathy to understand their living conditions, customs, food and challenges

❖ **Participative Learning Activities**

1. **Peer Group Learning**

2. **Avant Garde Department Magazine**

3. **In Remembrance of Siddique** on 10.08.2023

- Memorial Talk by Aravind Mohan, D3 English
- Screening of his films and interview

4. **Foodies Haven Food Fest and Charity Initiative** on 06.02.2024

5. **Drama Club- Staging the play *Dream Hunt*** on 27.03.2024

6. **English Association Activities, Onam & Christmas Celebrations, Merit Day, Farewell**

7. **Alumni Meet and interaction with prominent alumni**

❖ **Special Activities for Advanced and Slow Learners**

- **Remedial Teaching** for Slow Learners
- **NPTEL-SWAYAM Courses, Civil Service Coaching Club, Capacity Enhancement through Peer Teaching, Model Teaching, interdepartmental and intercollegiate competitions, media exposure** for Advanced Learners
- **Mentoring and Counseling sessions** for advanced, average and slow learners

- i. Give details of Continuous Internal Evaluation process



Evaluation Process

Internal Assessment

- Attendance
- Assignments
- Seminars
- Class tests

External Assessment

End Semester Examination

Internal/Model examination

- Internal examinations are conducted twice in every semester in a centralized pattern
- Tentative schedule provided in college handbook.
- PTA meetings are conducted at least once every semester to discuss the progress of Students.

❖ Internal Grievance Redressal Mechanism

Three-Level Grievance Redressal Mechanism

1. Department Level
2. College Level
3. University Level

Department Level Committee members-

HOD, Department Internal exam coordinator, Class Teachers

Any grievance regarding the conduct of internal examinations is addressed at the Dept level and if not satisfied with the action can proceed it to the next level.

- j. What are the ICT facilities available in the Department

ICT Tools and Resources

- NUHRO LANGUAGE LAB



- 25 COMPUTERS, 2 LAPTOPS
- TELL ME MORE SOFTWARE
- SMART CLASSROOM
- INTERACTIVE BOARD
- SMART BOARD
- LCD PROJECTOR
- WI-FI CONNECTIVITY

ICT PLATFORMS

- Google Meet
- ZOOM
- Google Classroom
- YouTube Channel-CathLitera
- Kahoot
- Quizizz

k. Total teachers using ICT facilities **17**

l. Any other relevant information the department wishes to add.

m. List the specialized labs in the Department

NUHRO LANGUAGE LAB

Tell Me More Language Software for Language Stabilization

n. Do you have a Departmental library

No. of Books **1829**

o. What mechanism is followed or PO / CO evaluation in the Department:

Please attach an example

OBE

- POs and PSOs are communicated to students during the orientation session arranged at the beginning of every academic year.
- COs are specifically communicated to students by the Course instructors.



Attainment of COs, PSOs and POs

Two methods- Direct Method (80%) - Mapping method (CIE+ ESA)

(COs>PSOs, PSOs> POs)

Indirect Method (20%) - Exit Survey (Survey conducted amongst the students of outgoing batches)

Research

a. Does the department have publications out of the work done within the department during the current academic year?

No

If yes furnish the following.

Sl. No	Name of faculty	Title of the paper	Title of the Journal and year of publishing	Citation index and impact factor of the journal, if available

b. Give details of the publication by faculty, if any.

Sl. No	Name of faculty	Title of the paper/book	Title of the Journal / book and year of publishing	Citation index and impact factor of the journal, if available
1	Rijo John	'Strange Confluence of Perceptions and False Memories among Masses: A Psychoanalytical Reading of viral and fake news in Media and Cyberspace	International Education & Research Journal -IERJ - E-ISSN No - 2454-9916 - Vol. 10 Issue -3 - March 2024	E-ISSN No - 2454-9916 - Vol. 10 Issue -3 - March 2024



2	Rijo John	Underlying misogyny and chauvanism in progressive Malayalam films: A psychoanalytical reading of the film Ayyappanum Koshiyum	Reyono Journal of Interdisciplinary Studies of St. Thomas College, Kozhencherry(Peer reviewed journal)- (ISSN 2277-7652)	(ISSN 2277-7652)
3	Rijo John	The Guardians of Silence (Travelogue)	The Guardians of Silence (Travelogue) -2024	

c. Is the department recognized as a research department?

No

If yes give the number of research scholars joined this year.

d. How many teachers are recognized research guides of MG University? **Nil**

e. How many teachers have PhD's ? **01**

f. Did the department produce any Ph. D during the last two years? (*For research departments only*)

No

If yes furnish the following

Sl. No	Name of the Research scholar	Name of the guide	Title of the thesis	Year of awarding

g. Does the department have any running major research project?

No

If yes furnish the following.

Sl. No	Name of the principal investigator	Duration		Title of the project	Funding agency
		from	To		



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h. Does the department have any running minor research project?

No

If yes furnish the following.

Sl. No	Name of the Principal investigator	Duration		Title of the project	Funding agency
		from	To		

i. Did the department receive any assistance from Government or Non governmental agencies during the academic year?

j. **No**

Sl. No	Title of the program	Duration		Funding agency	Amount allocated
		from	to		

k. Did the department submit any new proposal for project, seminar etc. to funding agencies during the academic year?

No

If yes give details

l. Did the department conduct seminar/workshop/conference/ programmes etc. during the academic year?

Yes

If yes furnish the following



Sl. No	Title of the seminar/ workshop/ conference etc.	Duration		Whether international/ national/ state/regional	Funding Agency if any
		From	To		
1.	Invited Lecture on Rasa & Dhvani: The Cardinal Schools of Indian Aesthetics	20/06/2023		Regional	PTA
2.	One Day Workshop on Research Methodology	16/01/2024		Regional	PTA
3.	International Webinar - The Contemporary Contemplative: Gender Fluidity in AI	21/03/2024		International	PTA
4.	Murali Manohar Lecture- Alchemy of Art: Traversing the Landscape of Aesthetic Evolution	25/03/2024		Regional	PTA
5.	Consuming Identities: Reading Food in Literature	06-02-2024		Regional	Department

m. How many student projects are executed on social issues? **40**

n. Any other relevant information the department wishes to add.

Consultancy and extension

a. Did the department sign any MoU with industry or any other agency?

No

If yes give details.

b. Does the department conduct consultancy services?

No

If yes give details

c. Does the department provide job-oriented / career counselling training for students?

Yes

If yes give details



Career Guidance and Future Readiness Programme Conducted on 08/08/2023

d. Does the department arrange placement for students?

No

If yes give details

e. Does the department conduct/coordinate any kind of extension activities?

Yes

If yes give details.

f. How many teachers attended the Malavya Mission training on NEP ?

g. Any other relevant information the department wishes to add.

Extracurricular activities

a. Does the department students participate in the interdepartmental sports/ cultural contests?

Yes

If yes give details

b. Mention achievements if any, of the students that come under the department.

Annexure 1

c. Mention the student association activities if any, during the academic year

Annexure 2

d. Mention the performance of students in the sports activities during the academic year.

Annexure 3

e. How many Interdepartmental competitions are organized by the department - **02**

f. What is the role of the Department with the Innovation center of the institution

g. Any other relevant information the department wishes to add.

Governance and Practices

a Are any members of the department involved in the administrative/club/committee activities of the college?

Yes

If yes furnish the following (use separate sheet if necessary)



Sl. No.	Name	Activity to which associated
1.	Dr. Asha Philipose	Member College Council
2.	Dr. Asha Philipose	Member IQAC
3.	Dr. Asha Philipose	Member Ant-Ragging Cell
4.	Dr. Asha Philipose	Member Counselling Cell
5.	Dr. Asha Philipose	Member Internal Examination and Evaluation
6.	Dr. Asha Philipose	Discipline and Grievance Redressal Committee
7.	Dr. Asha Philipose	Time Table
8.	Dr. Asha Philipose	RUSA committee
9.	Jisha Elezaba	Member College Council
10.	Jisha Elezaba	Member Internal Examination and Evaluation
11.	Jisha Elezaba	Library Promotion Council
12.	Jisha Elezaba	Discipline and Grievance Redressal committee
13.	Jisha Elezaba	PTA Treasurer
14.	Jisha Elezaba	Class teacher MAII
15.	Anu Francis	Legal Literacy
16.	Anu Francis	AISHE
17.	Anu Francis	Class Teacher D3 Integrated
18.	Tessy Thomas	Member Women Cell
19.	Tessy Thomas	Member Open Course Committee
20.	Tessy Thomas	Tutorial Committee
21.	Tessy Thomas	Handbook Committee
22.	Tessy Thomas	Class Teacher IV th Integrated
23.	Renu Anna Boban	Career Guidance and Placement Cell
24.	Renu Anna Boban	Debate and Quiz Club
25.	Renu Anna Boban	Women's Cell
26.	Renu Anna Boban	Mooc
27.	Renu Anna Boban	Faculty Coordinator English Literary Association
28.	Renu Anna Boban	Class Teacher D2 ENGLISH
29.	Jiji Anna Jacob	Admission Committee
30.	Jiji Anna Jacob	Remedial
31.	Jiji Anna Jacob	Class Teacher D1 English
32.	Rijo John	Coordinator SQAC
33.	Rijo John	Coordinator Media and Film Club
34.	Rijo John	Coordinator Civil Service Club



35.	Rijo John	Faculty Coordinator English Literary Association
36.	Rijo John	Member College Website Committee
37.	Rijo John	Executive Committee Member College Alumni Association
38.	Rijo John	Executive Committee Member St.Basil Association
39.	Rijo John	Executive Committee Member UTOCA
40.	Rijo John	Member College Canteen Committee
41.	Rijo John	Member Debate and Quiz Club
42.	Rijo John	Member College Union Arts Committee
43.	Rijo John	Member KIRF Committee
44.	Rijo John	Member AQAR
45.	Rijo John	Member RUSA Compilation Committee
	Rijo John	Class Teacher D2 Integrated

a. Describe the measures taken for maintaining the cleanliness of staff room, classrooms, labs, museums etc.

b. Does the department maintain proper documentation of data?

Yes

c. Does the department has any collaborations with other institutions for staff or student exchange programme ?

No

If yes give details

d. Does the department conduct student Mentoring / Counseling?

Yes

If yes give details

e. Mention the measures if any, taken by the department for personality development/ soft skills of the students

f. How many students are involved in the activities of the Innovation centre ?

g. Do you perform PBAS Yes



- h. What is the grievance redressal mechanism in the department ?

- i. What are the green initiatives of the department ?
 - World Environmental Day Celebrations
 - Use of Lunch box to avoid Plastic usage
 - Use of cloth bags
 - Use of Separate bins for waste segregation
 - Awareness boards in classrooms
 -

- j. How many departmental staff meetings were held during the assessment period?

- k. Mention one best practice of the department
 - 2 Faculty members and 3 students visited Gov. Model Residential Tribal School Vadasserikkara and **engaged sessions** on Literature for the tribal students
 - Conducted **Gender Awareness survey** among tribal students at Gov. MRS School, Vadasserikkara and organized **Book donation drive**
 - 3 Faculty members and D3 English students visited **Kattathipara Tribal settlement** Kakkathodu and contributed books to tribal students
 - Conducted Foodies Haven Season Season 4 charity venture

- l. What are the future plans of the Department?
 - Faculty Development programmes
 - Community Outreach programmes
 - Upgrade classroom technology and incorporate digital tools for teaching and learning.
 - Develop online course offerings or hybrid learning options.
 - Initiate interdisciplinary projects with other departments
 - Establish exchange programs with foreign universities for faculty and students.
 - Host international literary festivals.
 - Organize alumni networking events and reunions.
 - Offer workshops on resume writing, interview skills.
 - Facilitate internships with local businesses, publishing houses, or media companies.
 - Implement eco-friendly practices in the department.
 - Conduct regular reviews of departmental goals and outcomes.

- m. Give two strengths of the Department*



Dedicated faculty

Students with multifarious talents

n. Give two weakness of the Department

Shortage of Classrooms

Updating language laboratory

o. Any other relevant information the department wishes to add. (List)

Signature:

Head of the Department:

Seal :

**CATHOLICATE COLLEGE
PATHANAMTHITTA**

**ACADEMIC ADMINISTRATIVE AUDIT
FOR DEPARTMENTS**

**AUDIT DATA SOURCE
2023 – 24**



Name of the Department: MALAYALAM

**BASIC PROFOMA ABOUT THE DEPARTMENT**

Name of the Department : P.G & Research Department of Malayalam

Total Teaching staff members :9

Total Permanent Teaching staff members :8

Programmes offered :

BA MALAYALAM (1LANGUAGE&IITERATURE)

:MA MALAYALAM (1LANGUAGE&IITERATURE)

Ph.D in Malayalam

Total Teachers with PhD :6

Average teaching experience of Teachers :11

Total Non-teaching Staff members :Nil

Total students during 2023-24

Courses	Male	Female	Total
I BA Malayalam	15	17	32
II BA Malayalam	13	16	29
III BA Malayalam	8	28	36
I M A Malayalam	3	11	14
IIM A Malayalam	1	16	17
Ph D in Malayalam Full Time	6	4	10
Ph D in Malayalam Part Time	1	3	4

AUDIT RESPONSE

Curricular Aspects.

a. Number of value added / Add on certificate courses offered: Nil

b. Total teachers in various bodies of university

BOS -2

Academic Council. -Nil

Examination committees.

UG Board III sem Deputy Chairman-1

Chief Examiner in Centralised valuation camp (UG) -2

Chief Examiner in Centralised valuation camp (PG) -1

Additional Examiner in Centralised valuation camp (UG) -6

Additional Examiner in Centralised valuation camp (PG) -7

c. Is there a departmental mechanism for feedback on curriculum and its analysis?

Yes, Feedback on the curriculum can be collected and analyzed through a structured departmental mechanism to ensure continuous improvement and alignment with educational goals. Curriculum review committee comprising teachers and other stakeholders for overseeing the curriculum review process define the objectives and criteria for evaluating the curriculum and which may include student learning outcome, relevance and engagements. Collect feedback from teachers, students, parents and alumni through opinion and also feedback forms online or offline mode. Analysis the feedback collected to identify strengths weakness and areas for improvement in the curriculum.



d. Methods employed for curriculum delivery

Lecture method, Active method, Technology enhanced learning, Flipped classrooms, project based learning ,collaborative learning

e. Do you prepare a teaching plan

Yes

f. Name one unique Student centric activity of the Department: One Year Mentoring Programme-ANUYATHRA

(Personality Development, Counselling, Skill Enhancement ,Career Guidance class for our department students.)

Seminars and workshops conducted by the department

Interview with Eminent Persons like writers, thinkers, cultural leaders

Teaching learning Evaluation

a. Furnish the pass percentage for degree main 2023-2024 year batch, subsidiaries year batch, and PG 2022-2023 Year batch.

	% pass
Total students in PG	: 18
Exam Appeared	: 17
Passed	:12
Postgraduate course Pass %	71%
Mg university MA Malayalam	Rank VII (Fouzya Basheer)
Total students in UG	: 35
Exam Appeared	: 35
Passed	:15
Degree Pass %	: 43%
Mg university BA Malayalam	Rank II- Sreenidhi.R
	Rank VI-Athulya.S.Kurup



Mention ranks, if any, obtained for the batches. (Give the total number of students appeared for the University examination) .

b. Please furnish details of result analysis

If yes furnish the following for degree degree main 2023-2024

a. Class average % marks in entry level =

b. Class average % marks in exit level =\

If yes furnish the following for
batch and PG 2021-2023 batch

c. Class average % marks in entry level =

d. Class average % marks in exit level =

c. Did the department design any curricula this year? Certificate Courses?

Yes

No

If yes, give details

d. Does the department provide Remedial / Bridge / Tutorial classes?

Yes

No

If yes furnish the following

Sl. No.	Name of the teacher	Class for which Bridge teaching was arranged	
		I B A Malayalam	II M A Malayalam
1	Dr.Anu.P.T	11/07/2023	13/07/2023 21/07/2023
2	Dr.M.S.Paul	13/07/2023	14/07/2023 20/07/2023
3	Dr.Bincy.P.J	12/07/2023	19/07/2023
4	Dr.Jessy Alexander	14/07/2023	20/07/2023 22/07/2023
5	Soumya Jose	19/07/2023 14/07/2023	21/07/2023
6	Dr.Jisha Thomas	20/07/2023 11/07/2023	22/07/2023
7	Shynu Abraham	21/07/2023 13/07/2023	24/07/2023

Remedial class handled by all teachers those who needed support .

Tutorial classes lead by the class teachers

e. Does the department employ any innovations in teaching and evaluation methods?

Yes

No

If yes, give details of the innovative methods employed this year.

Virtual reality simulations, online collaboration tools, interactive whiteboard to enhance learning experiences.

f. Does the department conduct Student Teacher evaluation?

Yes

No

If yes mention the measures taken on the basis of the evaluation.

The department conduct students teacher evaluation as a way to gather feedback on the effectiveness of teaching practices and to assess the overall learning experience for students. Student teacher evaluation typically involves students providing feedback on various

aspects of teaching learning process, such as clarity of instruction, organization of course materials and overall effectiveness of the learning experiences. It is also a part of department's evaluation. Student teacher evaluations usually conducted anonymously to encourage honest feedback from students. This feedback helps teachers to improve and adjust their teaching methods or course content.

- g. How many class rooms have smart boards

Our digital theatre itself used as a smart classroom

- h. How many teachers attended seminar/ workshop/ conference/ refresher courses / FDP etc. during 2023-24 (Use separate sheet if necessary)

Sl. No	Name of the faculty	Title of the seminar/ workshop/ conference etc.	Duration		Whether international/ national/ state/ regional	Organizing agency
			From	To		
1.	Dr.Jisha Thomas	Cinimayude Samskarika Varthamanam- K.G.George cinimakalile Sthree Paksha Patanam.	30/01/2024	31/01/2024	National Seminar	Assumption College, Changanassery collaboration with Chalachithra Academy, Tvm

- i. Give details of faculty members, if any, who are selected as resource persons for seminar/workshop/conference/refresher courses etc. during 2023-2024 (Use separate sheet if necessary)

Sl. No	Name of faculty	Title of the seminar/ workshop/ conference	Duration		Whether international/ national/ state/ regional	Organizing agency
			From	To		

1	Dr.Bincy.P.J	Missionaries and Kerala Society	14/12/2023	14/12/2023	National seminar	St.Thomas College Kozhencherry in associated with MGUniversity Kottayam
2.	Dr.M.S.Paul	Charithram Kala Desam	19/12/2023	20/12/2023	International Seminar	Govt Arts & Science College Elanthoor
3	Dr.Bincy.P.J	Charithram Kala Desam	19/12/2023	20/12/2023	International Seminar	Govt Arts & Science College Elanthoor

j. List the student centric learning methods adopted in the department

- Project based learning
- Problem based learning
- Flipped class rooms
- Inquiry based learning
- Collaborative learning
- Peer teaching

k. Give details of Continuous Internal Evaluation process

Students are evaluated continuously through class room interactions ,test papers,internal & semester examinations. Firstly define goals and objectives. collect data through observations and documents .Analysis data .It help us to identify strengths and weakness.Set goal for improvement

l. What are the ICT facilities available in the Department

Computer
 Printers,scanners and photocopier
 Internet connectivity
 Audio visual equipments such as interactive board
 Online learning platforms
 Google classrooms,videos etc.,
 Mobile devices



m. Total teachers using ICT facilities

- 09

n. Any other relevant information the department wishes to add.

o. List the specialized labs in the Department- Nil

p. Do you have a Departmental library

Yes,

No. of Books-3131

q. What mechanism is followed for PO / CO evaluation in the Department:

Attainment of CO's, PSO's and PO's are ascertained mainly Through Internal and end semester examinations. Internal Assessment is based on their percentage of attendance in the class, assignment, seminars, test-papers. End semester examination is summative and marks awarded by university at the end of the semester. PO's calculated by the overall performance of the student.

Please attach an example

Research

- a. Does the department have publications out of the work done within the department during the current academic year?

 Yes

 No

If yes furnish the following.

Sl. No	Name of faculty	Title of the paper	Title of the Journal and year of publishing	Citation index and impact factor of the journal, if available

- b. Give details of the publication by faculty, if any.

Sl. No	Name of faculty	Title of the paper/book	Title of the Journal / book and year of publishing	Citation index and impact factor of the journal, if available
1.	Dr.M.S.Paul	Jaathi keralam samakala kathakalil	Malayalashahithi Sahithyagaveshana samahitham July-December 2023	A peer reviewed Research journal in malayalam
2	Dr.Bincy.P.J	Navothanathinte mattoli Asan Kavithayil	THUDI-Research Journal –Vol 11 October-December 2023	UGC CARE listed peer reviewed refereed journal

- c. Is the department recognized as a research department?

 Yes

 No

If yes give the number of research scholars joined this year. -05

- d. How many teachers are recognized research guides of MG University -02

- e. How many teachers have PhD's -06

f. Did the department produce any Ph. D during the last two years? (*For research departments only*)

 Yes

 No

If yes furnish the following

Sl. No	Name of the Research scholar	Name of the guide	Title of the thesis	Year of awarding
1	Jayesh.T.V	Dr,V.Rajeev	Vedasamskaravum Prakruthiyum Vishnunarayanan NamboothiriyudeKavithak alil	2022
2	Arya.V.Sobhi	Dr.A.Alice	Adhunikathavadavum malayala niroopanavum V rajakrishnante kruthikale aspathamaakki oru anweshanam	2022
3	Bindu.S	Dr.M.S.Paul	Athmakatha Sahithyavum keralathinte Samskarika Parinamavum	2023

g. Does the department have any running major research project?

 Yes

 No

If yes furnish the following.

Sl. No	Name of the principal investigator	Duration		Title of the project	Funding agency
		from	To		

h. Does the department have any running minor research project?

 Yes

 No

If yes furnish the following.

Sl. No	Name of the Principal investigator	Duration		Title of the project	Funding agency
		from	To		



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i. Did the department receive any assistance from Government or Non governmental agencies during the academic year?

Yes

No

Sl. No	Title of the program	Duration		Funding agency	Amount allocated
		from	to		

j. Did the department submit any new proposal for project, seminar etc. to funding agencies during the academic year?

Yes

No

If yes give details

k. Did the department conduct seminar/workshop/conference/ programmes etc. during the academic year?

Yes

No

If yes furnish the following

Sl. No	Title of the seminar/ workshop/ conference etc.	Duration		Whether international/ national/ state/ regional	Funding Agency if any
		From	To		
1	Contemporary Malayalam Poetry-One Day Seminar	06/06/2023		Regional	Department
2	Easthetics Of Western Poetry Dr.V.Rajeev Lead the Seminar	25/09/2023		Regional	Department
3	Kathaprasamga Kalayum Keralathinte Samskarika Jeevithavum	01/11/23		Regional	Department
4	Lokasamadhanam Ekathmakathaa bodham vazhi	10/11/2023		National Seminar	Narayana Gurukulam, Varkala



5	Folklore Workshop –Two Days	05/12/2023	06/12/2023	Workshop	Folklore Academy
6	K.V.Thampi Memorial Talk Award ceremony	06/06/2023		Alumnous Programme	Department
7	Basheer-Edappally-Thirunelloor Memorial Talk	05/07/2023		Day celebration	Malayalam Association
8	Book Releasing & Documentary Presentation	20/07/2023		Alumnous	Department
9	Anuyathra Mentoring Programme	02/08/2023		Orientation	Department
10	M.T.(Kalam):NAVATHI VANDANAM	08/08/2023		Day celebration	Department/Malayala Manorama
11	Book Receiving Ceremony & Bhasha Varacharana Samaapanam In Loving Memory of M.G.Radhakrishnan (Our Alumnous)His family donated more than 300 books and one Almirah	08/11/2023		Alumnous	Department
12	Mahakavi Puthancavu Mathen Tharakan Memorial Talk &Award Ceremony	16/01/2024		Day Celebration Alumnous	Ezhuthukoottam Pathanamthitta
13	Loka Mathrubhashaadinam	22/02/2024		Day Celebration	Association
14	Dr.Nellikal Muraleedharan Smaraka Desathudi Kavitha Puraskara samarppanam Inaugurated by Sri Madhupal Awardee : Sri K Rajagopal	23/02/2024		Alumnous	Desathudi, Ezhuthukoottam
15	Aksharam	05/03/2024		Merit Day	Department
16	Poorva Vidyarthi sangamam	165/03/2024		alumnous	Department

l. How many student projects are executed on social issues?

04

m. Any other relevant information the department wishes to add.



Consultancy and extension

- a. Did the department sign any MoU with industry or any other agency?

Yes

No

If yes give details.

- b. Does the department conduct consultancy services?

Yes

No

If yes give details

- c. Does the department provide job-oriented / career counselling training for students?

Yes

No

If yes give details

One Year Programme -Anuyathra

- d. Does the department arrange placement for students?

Yes

No

If yes give details

- e. Does the department conduct/coordinate any kind of extension activities?

Yes

No

If yes give details.

Food for Hungry Project Association with Anchappam Charitable Trust
Mentoring _ANUYATHRA –Personality Development, Skill Enhanced ,Counselling
classes for UG & PG Malayalam students

- f. How many teachers attended the Malavya Mission training on NEP ? - 0

- g. Any other relevant information the department wishes to add.



Extracurricular activities

- a. Does the department students participate in the interdepartmental sports/ cultural contests?

Yes

No

If yes give details

Department Students participated in the interdepartmental sports events held at catholicate college Pathanamthitta

Athletic Meet College Level

Soumya.S(D3 Malayalam) First Prize -400 m

Abison.K.D1 Malayalam –Third Prize-800m

- b. Mention achievements if any, of the students that come under the department.

Chief Ministers Scholarships : Sreekkutty.M.D

Aspire Scholarship 8 Students

Anjali.M.R

Veena Prakash

Sona Babu

Ahalya.K.K

Sivajyothej

Sunanda.S

Subeena.S

Sreesurya.S

Speak For India Block Level winners

Nanda Gopan C A

Vipin Purushothaman

Lakshmi Madhu

Jobina Mariam C.T

Sports Achievements

- Avani.O.S 2nd Position in 20th south zone senior softball championship
- Sneha Sreedharan-Selected to Kerala Softball Team.
- Vimal K Prasad-Bronze medal on intercollegiate Fencing Championship
- Nikhil Das.N-Bronze Medal in District Fencing Championship.
- .Nikhil Das N –Attended 2nd Madrass Army attachment camp at Pangode Military Station.
- NayanaG Prasad Attended Military Hospital Attachment Camp At Pangode Military Station.

Arts Festival –Kalarv-Catholicate college Pathanamthitta



- K R Reji (D2 Malayalam)-First Prize-On the Spot Painting Competition
- Hassain S-(D2 Malayalam)-First Prize-Sting Instrument Eastern
- Hussain.S-(D2 Malayalam)-First Prize-Wind Instrument Eastern
- Nandagopan.C.A-(D3 Malayalam)-First Prize-Mimicry
- Jaimy Anna Johnson(II MA Malayalam) -First Prize-Kathaprasamgam
- Jaimy Anna Johnson (II MA Malayalam)-First Prize-Malayalam Recitation
- Vipin V.Purushothaman(D2 Malayalam)-First Prize-Essay Writing Malayalam.
- Arjun S K (Research Student) First Prize Film Review
- Natan Pattu-Adithyan Sudhaksrsn & Team (Department Of Malayalam)

Competitions Held by Department of Malayalam - Sahithi Sarggothsavam

Story Writing

Gouri.R (I MA Malayalam)- First Prize
Sreenanda Vijayan(D1 Malayalam)-Second Prize
Vishnu.R (D2 Malayalam) Third Prize

Poem Writing

Vipin V.Purushothaman (D2 Malayalam)-First Prize
Lekshmi Madhu (II MA Malayalam)Second Prize
Vishnu.R (D2 Malayalam) Third Prize

Film Review

Vipin V.Purushothaman (D2 Malayalam)-First Prize
Vishnu.R (D2 Malayalam) Second Prize
Chaithanya.K (D2 Malayalam)Third Prize

Drawing Competition

Gouri.R (I MA Malayalam)- First Prize
Amal Kumar.S (D1Malayalam)Second Prize
Sujithamol.T.S(D1Malayalam)Third Prize

Essay Writing

Vipin V.Purushothaman (D2 Malayalam)-First Prize
Reena K (I MA Malayalam) Second Prize
Lekshmi Madhu (II MA Malayalam) Third Prize

c. Mention the student association activities if any, during the academic year

- . K.V. Thampi Memorial Talk & Award Distribution Ceremony
- Basheer-Edappally-Thirunelloor Memorial Talk



- Book Releasing & Documentary Presentation
Prominent Alumni Prof.Maloor Muraleedharan's Sahithyam Enthunne?Enthinu?
& Documentary (Justice Fathima Bevi-Neethi Pathayile Dheera vanitha) Felicitations
Sri Ravi Varma Thampuran,Sri Vinod Elakolloor

 - Anuyathra Mentoring Programme Inauguration :
Sri Lovewin Cherian & Sneha (Co Ordinators-Anchappam Charitable Trust)

 - M.T.(Kalam):NAVATHI VANDANAM
Chief Guest : Benyamin
Felicitations Sri John Kakkaad

 - Book Receiving Ceremony & Bhasha Varacharana Samaapanam
In Loving Memory of M.G.Radhakrishnan (Our Alumnous)His family donated more
than 300 books and one Almirah

 - Aksharam-2024. PRATHIBHA SAMGAMAM.-MERIT DAY

 - Loka Mathrubhashaadinam

 - Dr.Nellikal Muraleedharan Smaraka Desathudi Kavitha Puraskara samarppanam
Inaugurated by Sri Madhupal Awardee : Sri K Rajagopal
- d. Mention the performance of students in the sports activities during the academic year.

Sports Achievements

- Avani.O.S 2nd Position in 20th south zone senior softball championship
 - Sneha Sreedharan-Selected to Kerala Softball Team.
 - Vimal K Prasad-Bronze medal on intercollegiate Fencing Championship
 - Nikhil Das.N-Bronze Medal in District Fencing Championship.
 - .Nikhil Das N –Attended 2nd Madrass Army attachment camp at Pangode
Military Station.
 - NayanaG Prasad Attended Military HospitalAttachment Camp At Pangode
Military Station.
- e. How many Interdepartmental competitions are organized by the department

-04

Department conduct Literary competitions : Poetry writing, Short story writing,Essay
writing and quiz competition



- f. What is the role of the Department with the Innovation center of the institution
- g. Any other relevant information the department wishes to add.

Governance and Practices

a Are any members of the department involved in the administrative/club/committee activities of the college?

Yes

No

If yes furnish the following (use separate sheet if necessary)

Sl. No.	Name	Activity to which associated
1	Dr.Anu.P.T	<ul style="list-style-type: none"> • II MA Class in Charge • IQAC Member • Anti-ragging Committee Member • Alumni Association Secretary • Counselling Cell Committee Member • Discipline and Grievance Redressal Committee
2	Dr.M.S.Paul	<ul style="list-style-type: none"> • I MA Class in Charge • Research Advisory Committee Member • Canteen Committee Member • Library Promotion Council Committee Member • Media Club & Public Relations Convener • Catholicate Brigade-Social Battalion&Task Force
3	Dr.Bincy.P.J	<ul style="list-style-type: none"> • HOD • Council Member • Admission Committee Member • NET Coaching Committee • Counselling Cell Committee Member • Catholicate college Employees Co Operative Bank Vice –President • University Examinations Committee Member • NIRF Committee Member • AISHE Co-Ordinator • MOOC Course
4	Dr.Jessy Alexander	<ul style="list-style-type: none"> • Anti-Narcotic Committee Member

		<ul style="list-style-type: none"> • Social Service League Committee Member • Internal Examination & Evaluation Committee Member • Career Guidance and Placement cell Committee Member • Website Committee
5	Soumya Jose	<ul style="list-style-type: none"> • D3 Class in Charge • Anti-ragging Committee Member • Electoral Club • Bhoomithrasena Club • MOOC Course Mentor
6	Shynu Abraham	<ul style="list-style-type: none"> • D2 Class in Charge • St.Basil Association (Vice-President) • Remedial Class Department in charge • Women's Cell Committee Member
7	Dr.Jisha Thomas	<ul style="list-style-type: none"> • D1 Class in Charge • St.Basil Association Executive Committee Member • Opencourse Advisor • Tutorial System Committee Member • Bhoomithrasena Club
8	Dr.Rekha.R	<ul style="list-style-type: none"> • Internal Complaints Committee Convener • Arts Club Advisor • Music & Drama Club Convener • Departmental Association In Charge • KIRF Committee Member

- a. Describe the measures taken for maintaining the cleanliness of staff room, classrooms, labs, museums etc.
 Establish a routine schedule for cleaning the staffroom and classroom. Dusting and sweeping regularly and mopping and wiping weekly by appointed staff. Assign cleaning responsibilities to students to maintain their classrooms and teachers always maintain the department very hygienic. Encouraging cleanliness habits. Placed recycle and trash bins in the staffroom and classroom. Placed instructions for maintaining good cleaning habits.
- b. Does the department maintain proper documentation of data?





Yes

No

- c. Does the department has any collaborations with other institutions for staff or student exchange programme ?

Yes

No

If yes give details

- d. Does the department conduct student Mentoring / Counseling?

Yes

No

If yes give details

Mentoring takepart very important role in classroom atmosphere. Mentor support the mentee to develop their skills . Understanding them . Mentor recognize the level of pupil and handle with more care and support.At the beginning of the year conduct a common test for the class and separate the students in to average,advanced and slow learner level. And also the Department conducted Anuyathra mentoring programme for Students through out the academic year 2023-24 by the outside agency.

- e. Mention the measures if any, taken by the department for personality development/ soft skills of the students

Department conducted Anuyathra mentoring programme for Students through out the academic year 2023-24.It helps the students to organize programmes,Prepared brochures,lead the activities and conduct literary events in the department.Students devided to separate group and take initiative to lead various clubs and activities.

- f. How many students are involved in the activities of the Innovation centre ? 02

- g. Do you perform PBAS -Yes

- h. What is the grievance redressal mechanism in the department ?

Students reported their complaints to the class teachers and then to the Head of the Department.Teachers initiative to solve the problems with the respect.If the problem based on the college level .complaints are redirect to college level grievance redressal cell.

- i. What are the green initiatives of the department ?

Aranyakam –our department harithasena club initiative to plant trees and plants near by the department.Department decorate with indoorplants.Department painted with green color and curtain is also green shade.



j. How many departmental staff meetings were held during the assessment period?
10

k. Mention one best practice of the department?

Food for hungry Project

l. What are the future plans of the Department?

Digitalization of the Library
Conduct National Seminar

m. Give two strengths of the Department

Space to inspire students for research activities

Opportunities for develop their writing skills, Language acquisition and interview with writers in Malayalam.

n. Give two weakness of the Department-

Lack of Fund &lack of infrastructure

o. Any other relevant information the department wishes to add. (List)

Dr.Bincy.P.J

Signature:

Head of the Department:

Seal :

**CATHOLICATE COLLEGE
PATHANAMTHITTA**

**ACADEMIC ADMINISTRATIVE AUDIT
FOR DEPARTMENTS**

**AUDIT DATA SOURCE
2023 - 24**



Name of the Department: Hindi

**BASIC PROFOMA ABOUT THE DEPARTMENT**

Name of the Department : Hindi
Total Teaching staff members : 09
Total Permanent Teaching staff members : 05
Programmes offered : BA Hindi, MA Hindi, Ph.D

Total Teachers with PhD : 07
Average teaching experience of Teachers : 7 Years
Total Non-teaching Staff members : Nil

Total students during 2023-24

Courses	Male	Female	Total
I BA Hindi	06	05	11
II BA Hindi	06	11	17
III BA Hindi	08	08	16
I MA Hindi	Nil	06	06
II MA Hindi	Nil	10	10
Ph.D Hindi	Nil	09	09



AUDIT RESPONSE

Curricular Aspects.

a. Number of value added / Add on certificate courses offered: Nil

b. Total teachers in various bodies of university

BOS. - Nil

Academic Council. - Nil

Examination committees.

- Chief examiner in centralized valuation camp of UG : 02
- Chief examiner in centralized valuation camp of PG : 04
- Additional examiners in Centralized valuation camp of UG : 6

c. Is there a departmental mechanism for feedback on curriculum and its analysis?

The feedback was collected at various levels viz, students, parents, teachers and Alumni. This feedback was analysed and steps are taken to improve the functioning of the department.

Feedback from students is taken through class representative. Meeting and corrective measures were taken accordingly to improve the teaching learning process. The Alumni of the department, who have moved on to industry or for higher studies additionally give feedback on how their years in the institution have helped them perform of their places of work. The Alumni additionally supply constructive tips on helping the students gain extra recognition and improving themselves. Parent feedback was collected on syllabus and other matters of the department. Collected feedback was discussed among the department. Feedback is conveyed to the teachers to improve their performance. Alumni feedback is utilized to enhance their collaboration and cooperation in various activities of the department. Parent's feedback was used by the department to understand needs of students and improve their results.

d. Methods employed for curriculum delivery

The Department follows the syllabi and Curriculum formulated by Mahatma Gandhi University and the Department of Hindi follows B.A., M.A & Ph.D courses. The Department has an effective mechanism for well-planned Curriculum and documentation. It implements the process of completion of Curriculum within the stipulated time to attain the programme outcome effectively. An effective time table is prepared. Departmental meetings on the regular basis. Different innovative



teaching methodologies, creative pedagogies and activities to be organized and implemented to complete the Curriculum effectively and is discussed in the Departmental meetings. The Head of the Department takes reviews of the Departmental activities from time to time. The Department analyse the results at the end of examination to impulse the learning outcome of the students. Every teacher follows individual time table. Teachers complete the Curriculum within the stipulated time

e. Do you prepare a teaching plan

Yes. We have teaching plans for odd and even semesters in every year.

f. Name one unique Student centric activity of the Department:

- Tutorial Classes
- Class Seminars and Debates

Teaching learning Evaluation

a. Furnish the pass percentage for degree main ...2023-2024.....year batch, subsidiaries year batch, and PG ...2022-2023..... Year batch.

	% pass
Postgraduate course	: 90%
Degree	: 50%

Mention ranks, if any, obtained for the batches. (Give the total number of students appeared for the University examination) .

b. Please furnish details of result analysis

If yes furnish the following for degree 2023-2024... batch and PG 2022-2023..... Batch

	PG	UG
a. Class average % marks in entry level =	73	68
b. Class average % marks in exit level =	86	46

c. Did the department design any curricula this year? Certificate Courses?

Yes

No ✓

If yes, give details



d. Does the department provide Remedial / Bridge / Tutorial classes?

Yes ✓

No

If yes furnish the following

Sl. No.	Name of the teacher	Date & Class for which Rem. /Bridge teaching was arranged	
		I BA Hindi	I MA Hindi
1.	Dr. Sanu Thomas	10/07/2023	13/07/2023
		12/07/2023	20/07/2023
2.	Dr. Rosy P Varghese	11/07/2023	14/07/2023
		14/07/2023	22/07/2023
3.	Dr. Renji Koshy	10/07/2023	19/07/2023
		19/07/2023	21/07/2023
4.	Dr. Laija P J	12/07/2023	13/07/2023
		20/07/2023	24/07/2023
5.	Dr. Lija Achamma George	12/07/2023	14/07/2023
		21/07/2023	22/07/2023

e. Does the department employ any innovations in teaching and evaluation methods?

Yes ✓

No

If yes, give details of the innovative methods employed this year.

- ICT Tools for teaching
- Continous evaluation method for the evaluation process

f. Does the department conduct Student Teacher evaluation?

Yes ✓

No

If yes mention the measures taken on the basis of the evaluation.

- Conducted remedial classes for academically weak students.
- took extra classes for students.
- conducted PTA meeting to discuss the progression of students

g. How many class rooms have smart boards -01



- h. How many teachers attended seminar/ workshop/ conference/ refresher courses / FDP etc. (Use separate sheet if necessary)

Sl. No	Name of the faculty	Title of the seminar/ workshop/ conference etc.	Duration		Whether international/ national/ state/regional	Organizing agency
			From	To		
1	Dr. Sanu Thomas	Workshop for the syllabus of FYUGP	20-11-23	24-11-23	Regional	M.G University
2	Dr. Rosy P Varghese	Workshop for the syllabus of FYUGP	20-11-23	24-11-23	Regional	M.G University
3	Dr. Lija Achamma George	Workshop for the syllabus of FYUGP	20-11-23	24-11-23	Regional	M.G University

- i. Give details of faculty members, if any, who are selected as resource persons for seminar/workshop/conference/refresher courses etc. during ...2023-2024.....? (Use separate sheet if necessary)

Sl. No	Name of faculty	Title of the seminar/ workshop/ conference	Duration		Whether international / national/ state/regional	Organizing agency
			From	To		
1.	Dr. Lija Achamma George	Hindi Diwas Samaroh	18/09/23 (one day)		Regional	Dept. of Hindi, Marthoma College, Thiruvalla
2.	Dr.Sanu Thomas	Research Methodoloy	20/03/24 (one day)		Regional	Dept. of Hindi, NSS College, Pandalam

- j. List the student centric learning methods adopted in the department

- Group discussions
- Interclass quiz competitions
- Presentations
- Seminars



- Poster Designing

k. Give details of Continuous Internal Evaluation process
Continuously evaluate the students through internal exams, Assignments, Test Papers and Seminars and keep the record to evaluate them.

l. What are the ICT facilities available in the Department

- Computer Lab
- Smart Classroom
- LED Projector
- LapTops

m. Total teachers using ICT facilities - 09

n. Any other relevant information the department wishes to add.

o. List the specialized labs in the Department - Computer Lab

p. Do you have a Departmental library - Yes

No. of Books: 1630

q. What mechanism is followed or PO / CO evaluation in the Department:

Attainment of CO's, PSO's and PO's are assessed mainly by two methods-Internal (CIE) and End Semester Assessment (ESA). Internal Assessment is based on the performance of the students in attendance, assignments, internal marks etc. ESA is a summative one in which marks are awarded after university examination.

Please attach an example

Research

a. Does the department have publications out of the work done within the department during the current academic year?

Yes

No

If yes furnish the following.

Sl. No	Name of faculty	Title of the paper	Title of the Journal and year of publishing	Citation index and impact factor of the journal, if available

b. Give details of the publication by faculty, if any.



Sl. No	Name of faculty	Title of the paper/book	Title of the Journal / book and year of publishing	Citation index and impact factor of the journal, if available
1	Dr.Sanu Thomas	Premchand Ke Upanyas 'Kayakalp' Mein Dalit Pathru	Shodh-Rithu (2023)	Impact Factor-IIJIF-8.712
2	Dr. Rosy P. Varghese	'Laharom Ke Rajhans' Mein Eitihaskata	Shodh-Rithu (2023)	Impact Factor-IIJIF-8.712
3	Dr.Sanu Thomas	Usha Priyamvada Ke Upanyasom Mein Naari Jeevan Ki Samasyayem	Samagam (2023)	ISSN 2231-0479
4	Dr. Rosy P. Varghese	Mannu Bhandari Ke Upanyasom Mein Chitrit Samasyayem	Samagam (2023)	ISSN 2231-0479
5	Dr.Sanu Thomas	Nirmala Putul Ki Kavitaom Mein Dalit Jeevan Ki Sachchayi	Akashar Warta (2023)	Impact Factor-IIJIF-7.125
6	Dr. Rosy P. Varghese	Jeevan Moolya Aur Manavadhikar	Akashar Warta (2023)	Impact Factor-IIJIF-7.125
7	Dr. Laija P.J.	Aadivasi Stree Ki Sangharsh Bhari Dastan ka Dastavej Valter Bhengara Tarun Ka Upanyas 'Loutate Hue'	Hindi Sahitya Mein Vividh Vimarsh (2024)	ISBN: 978-93-92703
8	Dr. Laija P.J.	Chandra Prakash Deval Ki Kavita 'Bulava': Ek Adhyayan	Sangam (2024)	ISSN: 2321-8037
9	Dr. Lija Achamma George	Nasira Sharma Ke Upanyasom Mein Abhivyakt Aarthik Yatharth	International Journal for Research Trends and Innovation (2023)	ISSN: 2456-3315
10	Dr. Smitha Chacko	Tanav Ke Karan Evam Karak	Sangrathan (2023)	ISSN2278-6580
11	Dr. Smitha Chacko	Hindi Katha Sahitya Mei Parivar: Paribhashaem Evam Bhed	Keral Jyothi (2024)	ISSN 2320-9976
12	Geethu M.	Samakaleen Hindi Kahani Sahitya Mein Vrudh Vimarsh	Antharang (2023)	ISSN –2348-9200
13	Geethu M.	'Pita, Kahani Mein Vrudh Vimarsh Ka Marmik Udveg	Hindi Sahitya Mein Vividh Vimarsh (2024)	ISBN: 978-93-92703

c. Is the department recognized as a research department?



Yes ✓

No

If yes give the number of research scholars joined this year.- Nil

d. How many teachers are recognized research guides of MG University- 03

e. How many teachers have PhD's - 07

f. Did the department produce any Ph. D during the last two years? (*For research departments only*)

Yes ✓

No

If yes furnish the following

Sl. No	Name of the Research scholar	Name of the guide	Title of the thesis	Year of awarding
01	Parvana R.	Dr. Mini George	Suryabala Ke Katha Sahithya Ka Samajshastriya Adhyayan	2022
02	Suja Mol M.	Dr. Mini George	Dr. Rahi Masoom Raza Ke Upanyason Mein Vyakta Sampradayik Sangharsh	2023

g. Does the department have any running major research project?

Yes

No ✓

If yes furnish the following.

Sl. No	Name of the principal investigator	Duration		Title of the project	Funding agency
		from	To		

h. Does the department have any running minor research project?

Yes

No ✓

If yes furnish the following.

Sl. No	Name of the Principal investigator	Duration		Title of the project	Funding agency
		from	To		



i. Did the department receive any assistance from Government or Non governmental agencies during the academic year?

Yes No ✓

Sl. No	Title of the program	Duration		Funding agency	Amount allocated
		from	to		

j. Did the department submit any new proposal for project, seminar etc. to funding agencies during the academic year?

Yes No ✓

If yes give details

k. Did the department conduct seminar/workshop/conference/ programmes etc. during the academic year?

Yes ✓ No

If yes furnish the following

Sl. No	Title of the seminar/ workshop/ conference etc.	Duration		Whether international/ national/ state/regional	Funding Agency if any
		From	To		
1.	Seminar on Research Methodology	28/02/2024		regional	Nil

l. How many student projects are executed on social issues? Nil

m. Any other relevant information the department wishes to add.

Consultancy and extension

a. Did the department sign any MoU with industry or any other agency?

Yes ✓ No

If yes give details.



- MOU between PG & Research Department of Hindi, Catholicate College, Pathanamthitta and Department of Hindi, NSS College, Pandalam. (Duration of the MOU: 18-01-2024 to 17-01-2026)

b. Does the department conduct consultancy services?

Yes No ✓

If yes give details

c. Does the department provide job-oriented / career counselling training for students?

Yes ✓ No

If yes give details

Department of Hindi conducted a Career counselling Program on 01st March 2024 at Mar Clemis Hall. The Resource person for the session was Dr. Susan P. John, Chief Medical Officer (Retd), Indian Systems of Medicine Department.

d. Does the department arrange placement for students?

Yes No ✓

If yes give details

e. Does the department conduct/coordinate any kind of extension activities?

Yes ✓ No

If yes give details.

On behalf of Environment Day celebration Department conducted an extension programme among the students.

- Tree planting
- Gardening
- Essay writing competition
- Pencil Drawing Competition
- Photography Competition

f. How many teachers attended the Malavya Mission training on NEP ?-Nil

g. Any other relevant information the department wishes to add.-Nil

**Extracurricular activities**

- a. Does the department student participate in the interdepartmental sports/ cultural contests?

 Yes ✓ No

If yes give details

Department students participated in the interdepartmental sports events (Volley Ball & Cricket) held at Catholicate College, Pathanamthitta during the year 2023-2024.

Volleyball

- 1) Ayush V.Nair (D1 Hindi)
- 2) Midhun Chandra M.C. (D1 Hindi)
- 3) Akshai K.Anu (D1 Hindi)

Cricket

1. Akshai K.Anu (D1 Hindi)

- b. Mention achievements if any, of the students that come under the department.

- 1) Mohammed Sinan C. – III BA Hindi -Poetry Recitation (Arabic)- IIIrd place with ‘A’ Grade in M.G. University Arts Festival.
- 2) Mohammed Sinan C. – III BA Hindi - Kolkali – ‘A’ Grade in M.G University Arts Festival.
- 3) Midhun Chandra M.C. - I BA Hindi - Member of the Catholicate College Baseball (Men) team which were the Second Runners Up of the M G University Baseball championship.
- 4) Elias Dallus - III BA Hindi - Silver Medal in M G University intercollegiate Fencing Foil Team Championship.
- 5) Pragathi Thakur - I BA Hindi - Member of the Catholicate College Volleyball (W) team which won the M G University intercollegiate volleyball championship.
- 6) Akshay K.Anu - I BA Hindi - First prize in Hammer Throw in the 7th District Junior Athletics Championship 2023 held at Kodumon.
- 7) Cdt.N. Krishnaraj - II BA Hindi - selected to participated in the SNIC camp at Nizamabad, Telungana

- c. Mention the student association activities if any, during the academic year

- 1) Tree planting - 05/06/2023
- 2) Essay Writing Competition - 07/06/2023
- 3) Pencil Drawing Competition - 08/06/2023
- 4) Photography Competition - 10/06/2023
- 5) International Yoga Day Celebration – 21/06/2023
- 6) National Reading Day Celebration (June 19) – 30/06/2023
- 7) Quiz Competition on behalf of Premcahnd Jayanthi – 31/07/2023



- 8) Onam Celebration – 25/08/2023
- 9) Hindi Day Celebration – 11/09/2023-15/09/2023
- 10) Short Story Writing Competition – 11/09/2023
- 11) Essay Writing Competition – 12/09/2023
- 12) Quiz Competition - 13/09/2023
- 13) Interdepartmental Patriotic Song Competition – 15/09/2023
- 14) World Hindi Day Celebration – Quiz - 11/01/2024

d. Mention the performance of students in the sports activities during the academic year.

- 1) Midhun Chandra M.C.- I BA Hindi - Member of the Catholicate College Baseball (Men) team which were the Second Runners Up of the M G University Baseball championship.
- 2) Elias Dallus - III BA Hindi - Silver Medal in M G University inter collegiate Fencing Foil Team Championship.
- 3) Pragathi Thakur - I BA Hindi - Member of the Catholicate College Volleyball (W) team which won the M G University intercollegiate volleyball championship.
- 4) Akshay K.Anu - I BA Hindi - First prize in Hammer Throw in the 7th District Junior Athletics Championship 2023 held at Kodumon.

e. How many Interdepartmental competitions are organized by the department

- 1) Interdepartmental Patriotic Song Competition was held on 15/09/2023 on behalf of Hindi Day Celebration.

f. What is the role of the Department with the Innovation center of the institution

Archana Anand (1st MA Hindi), Radhika S Krishnan (1st MA Hindi), Alaka Anilkumar (II BA Hindi), Gowrinandana J. (I BA Hindi) has actively participating with the Innovation center of the institution .

g. Any other relevant information the department wishes to add.-Nil

Governance and Practices

a Are any members of the department involved in the administrative/club/committee activities of the college?

Yes No

If yes furnish the following (use separate sheet if necessary)

Sl. No.	Name	Activity to which associated
1.	Dr. Sanu Thomas	<ul style="list-style-type: none"> • College Council Member • IQAC Member • Research Advisory Committee Member



		<ul style="list-style-type: none">• tutorial System Committee Member• Women's cell Committee Member• AISHE Committee Member• II MA Class Teacher
2.	Dr. Rosy P Varghese	<ul style="list-style-type: none">• Anti-ragging Committee Member• Canteen Committee Member• Career guidance and Placement Cell Committee Member• Consultancy Committee Member• Internal Exam Convener• Library Promotion Council Member• Website Committee Member• I MA Class Teacher
3.	Dr. Renji Koshy	<ul style="list-style-type: none">• Clean campus-safe campus Committee Member• Entrepreneurship Development Club Member• Open Course Department Faculty Advisor• MOOC Committee Member• III BA Class Teacher
4.	Dr. Laija P J	<ul style="list-style-type: none">• Admission Committee Member• University Exam Committee Member• Union Election Committee Member• Arts Committee Member• Music and Drama Club Committee Member,• Departmental Association incharge• II BA Class Teacher
5.	Dr. Lija Achamma George	<ul style="list-style-type: none">• St. Basil Association Member,• Remedial Classes Committee Member,• Media club and public relations Committee Member,• I BA Class Teacher

- a. Describe the measures taken for maintaining the cleanliness of staff room, classrooms, labs, museums etc.
1. Toilets, Common area, Classrooms and staff rooms are cleaned and maintained by appointed contract staff.
 2. Created a cleaning schedule for the students and staff.
 3. Placed recycle and trash bins in the staff room and classrooms.
 4. Advised students to put the trash into the dustbin.
 5. Wipe feet on mats before entering the Department.
 6. Clean desks & tables daily.
 7. Use products safely.



b. Does the department maintain proper documentation of data?

Yes ✓

No

c. Does the department has any collaborations with other institutions for staff or student exchange programme?

Yes

No ✓

If yes give details

d. Does the department conduct student Mentoring / Counseling?

Yes ✓

No

If yes give details

Mentoring process is important for teaching profession. Mentor plays the role of Guide, Advisor and counselor on Mentee. They support the Mentee in skill development and enhancing abilities of Mentee through observation and assessment. It helps the students to develop the communication and listening skills.

Mentees were equally divided to the Mentors for the systematic teaching and guidance. Mentoring process was conducted through Group Discussion, Peer group Teaching, Theme Based Quiz competition etc. Mentor Mentee ratio and Mentoring reports are kept in the Department file.

e. Mention the measures if any, taken by the department for personality development/ soft skills of the students

1. Language Development Programme – 19/01/2024
2. Career Counselling Class – 01/03/2024
3. Talk on 'Gender Equity' – 14/03/2024

f. How many students are involved in the activities of the Innovation centre? - 4

g. Do you perform PBAS -Yes

h. What is the grievance redressal mechanism in the department?

The student should report any grievances related to internal examinations or any other issues to their mentor or class teacher. Alternatively, they can lodge their grievances in the drop box placed outside the Department. The grievance cell in the department comprises the Head of the Department (HoD), a senior teacher, and the class teacher. Efforts will be made



to resolve the issue within one week, and the outcome will be communicated to the student involved and recorded in the department register. If a student is not satisfied with the solution offered by the Department, he or she can escalate the grievance to the principal. The principal will then present it to the Grievance Redressal Committee, which will convene a meeting to reach a decision. The student in question will be informed of the matter. During the year no such major grievances were received.

i. What are the green initiatives of the department?

Department conducted many programmes related to the Environment Day

Environment Day celebration	: 05/06/2023-10/06/2023
• Tree planting	: 05/06/2023
• Essay Writing Competition	: 07/06/2023
• A Talk on 'Earth is our wealth'	: 07/06/2023
• Pencil Drawing Competition	: 08/06/2023
• Photography Competition	: 10/06/2023

j. How many departmental staff meetings were held during the assessment period? -22

k. Mention one best practice of the department-Gardening

l. What are the future plans of the Department?

- To Conduct National seminars.
- To Conduct Alumni Invited Talks.
- To sign more MOUs and Collaboration with other institutions.
- To conduct club activities.

m. Give two strengths of the Department

- Qualified teachers with sufficient qualification (majority of teaching faculty has Ph.D degree, committed and experienced).
- Good teaching and learning environment supported by prolific library.
- A good Research Centre with 52 Ph.D awarded.

n. Give two weakness of the Department

- Requirement of more facilities, classrooms and language lab.
- Lack of sufficient Govt. / Other Funds.
- Insufficient permanent teaching faculty.

o. Any other relevant information the department wishes to add. (List) : Nil

Signature

**CATHOLICATE COLLEGE
PATHANAMTHITTA**

**ACADEMIC ADMINISTRATIVE AUDIT
FOR DEPARTMENTS**

**AUDIT DATA SOURCE
2023 - 24**



Name of the Department: Economics



BASIC PROFOMA ABOUT THE DEPARTMENT

Name of the Department : Economics

Total Teaching staff members : 2 (Permanent) + 4 (Guest Faculties)

Total Permanent Teaching staff members : 2

Programmes offered :B A Economics
M A Econometrics
Ph.D in Economics

Total Teachers with PhD :1

Average teaching experience of Teachers :17 Years

Total Non-teaching Staff members : Nil

Total students during 2023-24

Courses	Male	Female	Total
First Year B A	18	32	50
Second Year BA	24	28	52
Third Year B A	12	35	47
First year M A	2	6	8
Final Year M A	5	8	13
Research Scholars	1	2	3



AUDIT RESPONSE

Curricular Aspects.

- a. Number of value added / Add on certificate courses offered: Nil

- b. Total teachers in various bodies of university
 - BOS. -1
 - Academic Council. -Nil
 - Examination committees. - 1

- c. Is there a departmental mechanism for feedback on curriculum and its analysis?

Yes

Feedback conducted and analysed at College Level by the IQAC. The department will take actions on the basis of analysis of feedback

- d. Methods employed for curriculum delivery-Lecture Method, Discussion ,Experiential Learning

- e. Do you prepare a teaching plan -Yes

- f. Name one unique Student centric activity of the Department:

Internship



Teaching learning Evaluation

a. Furnish the pass percentage for degree main ...2023-24.....year batch, subsidiaries year batch, and PG 2023-24. Year batch.

% pass
Postgraduate course : R A
Degree : 59 %

Mention ranks, if any, obtained for the batches. (Give the total number of students appeared for the University examination) .

b. Please furnish details of result analysis

If yes furnish the following for degree ...2023-24.....batch and PG batch

- a. Class average % marks in entry level =89.12
b. Class average % marks in exit level =61.58

c. Did the department design any curricula this year? Certificate Courses?

No

If yes, give details

d. Does the department provide Remedial / Bridge / Tutorial classes?

Yes

If yes furnish the following

Table with 3 columns: Sl. No., Name of the teacher, Class for which Rem. /Bridge teaching was arranged. Rows include Dr.Shyni T Alexander and Bejoy D Abraham.



3	Elizabeth Johnson	Bridge Teaching- First Year M A Econometrics
4	Reshma Raichel Koshy	Bridge Teaching- First Year M A Econometrics
5	J K Jacob	Bridge Teaching- First Year M A Econometrics
6	Reeby Anna Jacob	Bridge Teaching- First Year B A History Bridge Teaching- First Year M A Econometrics

e. Does the department employ any innovations in teaching and evaluation methods?

Yes

If yes, give details of the innovative methods employed this year.

1. One month internship
2. Project based learning

f. Does the department conduct Student Teacher evaluation?

No

g. How many class rooms have smart boards

One

h. How many teachers attended seminar/ workshop/ conference/ refresher courses / FDP etc. during ...2023-24..... (Use separate sheet if necessary)

Sl. No	Name of the faculty	Title of the seminar/ workshop/ conference etc.	Duration		Whether international/ national/ state/regional	Organizing agency
			From	To		
	NIL					

i. Give details of faculty members, if any, who are selected as resource persons for seminar/workshop/conference/refresher courses etc. during2023-24.....? (Use separate sheet if necessary) Nil



Sl. No	Name of faculty	Title of the seminar/ workshop/ conference	Duration		Whether international/ national/ state/regional	Organizing agency
			From	To		
	NIL					

- j. List the student centric learning methods adopted in the department-Group Project Internship, Term Paper
- k. Give details of Continuous Internal Evaluation process

The department of Economics adheres to the academic calender given by the M. G University and Catholicate College,Pathanamthitta.Along with this ,the department framed an action plan for the time bound conduct of extracurricular activities. Each teacher prepares the question papers and schemes for the internal examination. The answer scripts are valued and the marks are informed to the students.

- l. What are the ICT facilities available in the Department- Interactive Panel
- m. Total teachers using ICT facilities -6
- n. Any other relevant information the department wishes to add.
 - 1.NET Coaching by Competent faculties
 - 2.Internship and term paper as per the curriculam of M A Econometrics
 - 3. Our P G Programme, M A Econometrics,is a highly job oriented programe in the aided stream
 - 4. A newly sanctioned Research Centre in Economics
- o. List the specialized labs in the Department -Nil
- p. Do you have a Departmental library Yes
No. of Books 168
- q. What mechanism is followed or PO / CO evaluation in the Department:

OBE is implemented by defining the course outcome for each course which is in align with the programme specific outcomes. The course outcomes are evaluated using different methods including seminars, assignment, test papers etc. On the basis of the weights given to each outcome the total mark is calculated.



Research

- a. Does the department have publications out of the work done within the department during the current academic year?

No

If yes furnish the following.

Sl. No	Name of faculty	Title of the paper	Title of the Journal and year of publishing	Citation index and impact factor of the journal, if available
	NIL			

- b. Give details of the publication by faculty, if any.

Sl. No	Name of faculty	Title of the paper/book	Title of the Journal / book and year of publishing	Citation index and impact factor of the journal, if available
	NIL			

- c. Is the department recognized as a research department?

Yes

If yes give the number of research scholars joined this year.3

- d. How many teachers are recognized research guides of MG University – One

- e. How many teachers have PhD's -One

- f. Did the department produce any Ph. D during the last two years? (*For research departments only*)

No

If yes furnish the following

Sl. No	Name of the Research scholar	Name of the guide	Title of the thesis	Year of awarding
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g. Does the department have any running major research project?
No

If yes furnish the following.

Sl. No	Name of the principal investigator	Duration		Title of the project	Funding agency
		from	To		

h. Does the department have any running minor research project?
No

If yes furnish the following.

Sl. No	Name of the Principal investigator	Duration		Title of the project	Funding agency
		from	To		

i. Did the department receive any assistance from Government or Non governmental agencies during the academic year?
No

Sl. No	Title of the program	Duration		Funding agency	Amount allocated
		from	to		

j. Did the department submit any new proposal for project, seminar etc. to funding agencies during the academic year?



No

If yes give details

- k. Did the department conduct seminar/workshop/conference/ programmes etc. during the academic year?

Yes

If yes furnish the following

Sl. No	Title of the seminar/ workshop/ conference etc.	Duration		Whether international/ national/ state/regional	Funding Agency if any
		From	To		
1	Seminar on Research Methodology	03.08.2023		Regional	
2.	Gender Equality with Pride	04.08.2023		Regional	

- l. How many student projects are executed on social issues? 10

- m. Any other relevant information the department wishes to add.

1.Research Centre in Economics was sanctioned during the year

2.One month internship Programme for M A Econometrics Students (Scipy Technologies ,Thiruvanthapuram and Centre for Budget Studies ,CUSAT)

3.Panel Discussion Union Budget was conducted on12.02.2024

4.Ajay Lal of Second B A Economics was selected for the District Development Internship Programme organized by the District administration.



Consultancy and extension

- a. Did the department sign any MoU with industry or any other agency?

Yes

If yes give details.

- 1.The International Institute of Migration and Development(IIMAD) ,Thiruvananthapuram
- 2.Scipy Technologies, Thiruvananthapuram

- b. Does the department conduct consultancy services?

No

If yes give details

- c. Does the department provide job-oriented / career counselling training for students?

Yes

If yes give details

The Department of Economics conducts career guidance classes for final year degree PG students, mainly provide trainings and tests for getting job opportunities in companies and other organizations.

- d. Does the department arrange placement for students?

No

If yes give details

- e. Does the department conduct/coordinate any kind of extension activities?

Yes

If yes give details.

- An energy consumption survey and awareness on energy conservation was conducted by the department on 04/08/2-23 at 2pm. The activity was inaugurated by Pathanamthitta municipality ward councilor Shri. Ajith Kumar. Shri Bejoy D. Abraham was the coordinator . 19 students and 2 faculty members participated in the extension activity. Gregory Christo (II DC) acted as the student coordinator of the extension and Ms. Devika (III DC) acted as the facilitator of the activity. 17 students of I DC did the survey on 19th ward of Pathanamthitta Municipality.
- As part of extension activities career Orientation classes were conducted for Higher secondary students in nearby students on 31.07.2023 .
- The department is proudly a part of **Kerala Migration Survey for Government of Kerala**, the survey is headed by Dr.Irudayarajan, honorary faculty of GIFT and Director,International Institute of Migration and Development (IIMAD). The students



including PhD scholar and faculty along with students are divided in 6 groups and are allotted to 6 Panchayat or Municipality in Kottayam and Pathanamthitta district. The survey also acts as an additional generation of income for the students.

f. How many teachers attended the Malavya Mission training on NEP ? NIL

g. Any other relevant information the department wishes to add. NIL

Extracurricular activities

- a. Does the department students participate in the interdepartmental sports/ cultural contests?

Yes

If yes give details

- Department team participated in the Interdepartmental Volley Ball Tournament
 - Department team participated in the Interdepartmental Cricket Tournament
- b. Mention achievements if any, of the students that come under the department.

1. Abel Mathews Alex secured A Grade in the M G University Youth Festival
2. Fathima Shery and Salma F Thasneem were team members in the college Oppana team which Secured A Grade in M G University Youth Festival
3. Ivanios Thomas was a member of a college Kolkaalli college Oppana team which Secured A Grade in M G University Youth Festival.
4. 1. Anakha Vijayan participated in the 67th Kerala State Junior Athletics Championship 2023 and secured the second position in the 4x400 m Relay for women under 20.
5. Sreeranjini M K of the third B A Economics participated in various competitions and secured the following positions.
 - 1st position in Intercollegiate baseball championship
 - 2nd position in Intercollegiate softball championship
 - 2nd position in Intercollegiate soft baseball championship
 - 2nd position South zone national championship
 - 1st position in All india inter zone national championship 1st
6. Rayan Thanveer Edathiparampil ,D3 Economics participated in various competitions and secured the following positions.
 - 2nd position in Intercollegiate softball men tournament 2023-24
 - 3rd position in Intercollegiate baseball men tournament 2023-24
 - 3rd position in Intercollegiate softbaseball tournament 2023-24
 - 3rd position in 20th southzone national championship 2023-24(third)

- c. Mention the student association activities if any, during the academic year

The department has an association that serves as a forum for faculty and students to interact. The association initiates both academic and general events, which are led by students. The association act as a space for students to express their opinion, raising their ideas and thus implementing the best. Ms. Vaishnavy and Mr. Nandu from II DC Economics are the coordinators of the association. Association Executive Meetings are held frequently by the department. Association student coordinators, convenors of club and class representatives act as a channel between department and students.



- d. Mention the performance of students in the sports activities during the academic year.
1. Anakha Vijayan participated in the 67th Kerala State Junior Athletics Championship 2023 and secured the second position in the 4x400 m Relay for women under 20.
 2. Sreeranjini M K of the third B A Economics participated in various competitions and secured the following positions.
 - 1st position in Intercollegiate baseball championship
 - 2nd position in Intercollegiate softball championship
 - 2nd position in Intercollegiate soft baseball championship
 - 2nd position South zone national championship
 - 1st position in All india inter zone national championship 1st
 3. Rayan Thanveer Edathiparampil ,D3 Economics participated in various competitions and secured the following positions.
 - 2nd position in Intercollegiate softball men tournament 2023-24
 - 3rd position in Intercollegiate baseball men tournament 2023-24
 - 3rd position in Intercollegiate softbaseball tournament 2023-24
 - 3rd position in 20th southzone national championship 2023-24(third)
 4. Department teams participated in the various interdepartmental tournaments organized by the Department of Physical education .
- e. How many Interdepartmental competitions are organized by the department-One
An inter departmental poster making competition was organized by the Literary and Cultural Club of the department in relation with World Population Day (July 11). The program was coordinated by Ms. Arundathi, Convenor of Literary and Cultural Forum of the department and the Economics Association.
- f. What is the role of the Department with the Innovation center of the institution
- Ajay Lal ,Ajay Narayanan and Muhammad Bilal were selected as MuLearn Interns in the YIP of Government of Kerala .They attended two months Internship Programme as the part of this programme .
- g. Any other relevant information the department wishes to add.
1. The department is proudly a part of **Kerala Migration Survey for Government of Kerala**, the survey is headed by Dr. Irudayarajan, honorary faculty of GIFT and Director, International Institute of Migration and Development (IIMAD). The students including PhD scholar and faculty along with students are divided in 6 groups and are allotted to 6 Panchayat or Municipality in Kottayam and Pathanamthitta district. The survey also acts as an additional generation of income for the students.
 2. A mock budget presentation was performed by the students of the department as a part of departmental activity in NAAC peer team visit. The postures of chairman of the Sabha , Speaker was enacted by Zidan of I DC Economics and Budget presentation was carried by Ms.



Stena of III DC Economics, emphasising and role playing Minister Nirmala Sitharaman. A total of 22 students participated in the mock budget presentation.

3. A talk on mental health was organised by the post graduate and research department along with Restore Minds part of commemorating world mental health day. The session was convened by Dr. Shyni T. Alexander. The session was handled by Dr. John Jacob M, champion of Restore Minds. An **interactive session** was also arranged along, handled by Mrs. Shirley, Alumni of department of economics, furnishing the queries raised by the students on mental health and healthy relationships.

4. A Book Review Programme was conducted. Students of the department reviewed the book 'Poor Economics' of Abhijith Banerjee.

5. The department in this calendar year celebrated '**PookatraKavidi**', an **onam celebration**. Students created beautiful flower designs / flower rangoli which is also known as Athapoo in Kerala. The faculty members gave their onam messages and wishes with the students. The department was filled with a sense of togetherness as everyone ate Onam sadya together. The celebration was festive with many games conducted and prizes were distributed by the faculty members.

6. Live Streaming of the Union Budget was conducted on 01.02.2024 and discussions were made there after.

1. Abel Mathews Alex was a finalist in the 'Speak for India' contest by Mathrubhoomi

2. Students of the department participated in 'Epicque2K 24', Fest Conducted at St Thomas College Kozhenchery. Vineesh V M and Muhammed Bilal secured second and Ajay Lal and Silpa K P Secured third position in the Quiz Competition. Silpa K P selected as Best Economist.

3. Anakha Vijayan participated in the 67th Kerala State Junior Athletics Championship 2023 and secured the second position in the 4x400 m Relay for women under 20.

Governance and Practices

a Are any members of the department involved in the administrative/club/committee activities of the college?

Yes

If yes furnish the following (use separate sheet if necessary)

Sl. No.	Name	Activity to which associated
1	Dr.Shyni T Alexander	1.College Council 2.IQAC 3.Research Advisory Committee
2	Bejoy D Abraham	1.Students Discipline and Grievance Committee 2.Internal Examinations and Evaluations 3.University Examinations Committee 4.College level admission committee 5.St.Basil Association 6.Career Guidance and Placement Cell 7.Parent Teacher Association

a. Describe the measures taken for maintaining the cleanliness of staff room, classrooms, labs, museums etc.

1.Class teachers take initiative in creating awareness among students for maintaining the cleanliness of the class rooms .

2.HoD and other faculty members always ensure that proper hygiene is maintained among students and others.

b. Does the department maintain proper documentation of data?

Yes

c. Does the department has any collaborations with other institutions for staff or student exchange programme ?

No

If yes give details

d. Does the department conduct student Mentoring / Counseling?

Yes

If yes give details

A systematic mentoring was done in the department.Students were divided into six groups and each group was under the mentorship of each teacher .

e. Mention the measures if any, taken by the department for personality development/ soft skills of the students

A Yoga training session , 'Dhyana: An Introduction to Yogic Living', was organized on 19th January 2024. Dr. Sosamma John was the Resource Person .

- f. How many students are involved in the activities of the Innovation centre ?
Three -Ajay Lal ,Ajay Narayanan and Muhammad Bilal were selected as MuLearn Interns in the YIP of Government of Kerala .They attended two months Internship Programme as the part of this programme .
- g. Do you perform PBAS -No

What is the grievance redressal mechanism in the department ?

A department level Grievance Redressal Committee was constituted. The Head of the Department and a senior faculty member are the members of the committee. The committee was convened to discuss, decide and solve the grievances faced by the students.

- h. What are the green initiatives of the department ?

The department ushered in a novel initiative, the '**Plant a Sapling**' endeavor as a continuation of PRO PRAKRITI and This initiative stands as an exquisite byproduct of Eco Green and Eco Blue Initiatives, which are an exemplar of the department's best practices, harmoniously inherited from the Cath Green Initiative of our esteemed institution. **Plant a Sapling** initiative is a noble gesture whereby students contribute sapling to the department on their birthdays. The sapling is nurtured and delicately planted within the idyllic environs of the department. This profoundly meaningful activity resonates both in collective unity and individual benevolence as students partake in its realization.

The World Nature Conservation Day was observed on 28.07.2023.

- i. How many departmental staff meetings were held during the assessment period?
17
- j. Mention one best practice of the department
Economics Brigade
- k. What are the future plans of the Department?
1. Well-equipped computer lab with 10 desk top computers
2. Two smart class rooms for I MA and II MA with proper seating arrangements
- l. Give two strengths of the Department
1. New generation Course



2. One Month Internship

m. Give two weakness of the Department

1. At present only 2 faculty members .
2. As the department is a research centre lack of permanent faculty members is a challenge to daily functioning

n. Any other relevant information the department wishes to add. (List)

1. Non availability of smart class rooms
2. Non availability of sufficient number of class rooms

Signature:

Head of the Department:

Seal :

**CATHOLICATE COLLEGE
PATHANAMTHITTA**

**ACADEMIC ADMINISTRATIVE AUDIT
FOR DEPARTMENTS**

**AUDIT DATA SOURCE
2023 - 24**



Name of the Department: HISTORY

**BASIC PROFOMA ABOUT THE DEPARTMENT**

Name of the Department : **History**
Total Teaching staff members : **7+1 Guest**
Total Permanent Teaching staff members : **6+1 (Political Science)**
Programmes offered : **B.A. History, M.A. History, Ph. D**

Total Teachers with PhD : **5**
Average teaching experience of Teachers : **17 years**
Total Non-teaching Staff members : **Nil**

Total students during 2023-24 - 159

Courses	Male	Female	Total
D1 History	21	25	46
D2 History	12	28	40
D3 History	17	32	49
I MA History	4	9	13
II MA History	4	7	11
			159



AUDIT RESPONSE

Curricular Aspects.

- a. Number of value added / Add on certificate courses offered: **Nil**

- b. Total teachers in various bodies of university
BOS. -Nil
Academic Council. - 1
Examination committees. - Nil
- c. Is there a departmental mechanism for feedback on curriculum and its analysis? **Yes**
- d. Methods employed for curriculum delivery- **ICT, Interactive Board, Google Classroom, Online teaching**
- e. Do you prepare a teaching plan - **Yes**
- f. Name one unique Student centric activity of the Department: **Peer group teaching**



Teaching learning Evaluation

- a. Furnish the pass percentage for degree -main course only -95% ...2020-2023.....year batch, subsidiaries ...Economics- 90%, Politics- 92% --2020-2023..... year batch, and PG -75%.....2020-2023. Year batch.

% pass

Postgraduate course : 75
Degree : 67
Percentage in 2023-24 : 52%

Mention ranks, if any, obtained for the ...2020-2023..... batches. (Give the total number of students appeared for the University examination). P.G.- 8th and 10th Rank, U.G. - 7th Rank

- b. Please furnish details of result analysis

If yes furnish the following for degree 2020-2023.....batch and PG 2020-2023..... batch

- a. Class average % marks in entry level = U.G. -69%, P.G.- 65%
b. Class average % marks in exit level =U.G.- 67%, P.G.-75%

- c. Did the department design any curricula this year? Certificate Courses?

Yes No

If yes, give details - Nil

- d. Does the department provide Remedial / Bridge / Tutorial classes?

Yes No

If yes furnish the following

Table with 2 columns: Sl., Name of the teacher, Class for which Rem. /Bridge teaching was



No.		arranged
1	All teachers	Bridge Course- D1 History
2	All teachers	Remedial Class- D1, D2, D3, IMA, IIMA
3	All teachers	Tutorial - D1, D2, D3, IMA, IIMA

e. Does the department employ any innovations in teaching and evaluation methods?

Yes

No

If yes, give details of the innovative methods employed this year.

Peer Group Teaching

f. Does the department conduct Student Teacher evaluation?

Yes

No

If yes mention the measures taken on the basis of the evaluation.

Yes. Improved teaching methods, used smart class facilities

g. How many class rooms have smart boards - 2

h. How many teachers attended seminar/ workshop/ conference/ refresher courses / FDP etc. during (Use separate sheet if necessary)

Sl. No	Name of the faculty	Title of the seminar/ workshop/ conference etc.	Duration		Whether international/ national/ state/regional	Organizing agency
			From	To		
1.	Dr. Ansu R.	FDP- Intellectual Property Rights	2-5-23	8-5-23	National	Teaching Learning Centre, Ramanujan College, Delhi, Ministry of Education
2.	Dr. Smitha Sara Padiyara,	Workshop for Syllabus Preparation of FYUGP of Mahatma Gandhi	21-11-23	25-11-23	State Level	Mahatma Gandhi University,



		University				Kottayam
3.	Dr. Ansu R.,	Workshop for Syllabus Preparation of FYUGP of Mahatma Gandhi University	21-11-23	25-11-23	State Level	Mahatma Gandhi University, Kottayam
4.	Fr. Dr. Thomson Robi,	Workshop for Syllabus Preparation of FYUGP of Mahatma Gandhi University	21-11-23	25-11-23	State Level	Mahatma Gandhi University, Kottayam
5.	Dr. Anu R.	Workshop for Syllabus Preparation of FYUGP of Mahatma Gandhi University	21-11-23	25-11-23	State Level	Mahatma Gandhi University, Kottayam

- i. Give details of faculty members, if any, who are selected as resource persons for seminar/workshop/conference/refresher courses etc. during? (Use separate sheet if necessary) **Nil**

Sl. No	Name of faculty	Title of the seminar/workshop/ conference	Duration		Whether international/national/state/regional	Organizing agency
			From	To		

- j. List the student centric learning methods adopted in the department – **peer group teaching, field trips, archaeological survey, projects**
- k. Give details of Continuous Internal Evaluation process - **Assignments, Seminars, Test papers, Internal exams**
- l. What are the ICT facilities available in the Department – **Interactive panel, Smart boards**
- m. Total teachers using ICT facilities -**8**
- n. Any other relevant information the department wishes to add.-Nil



- o. List the specialized labs in the Department - Nil
- p. Do you have a Departmental library - **Yes**

No. of Books - **794**

- q. What mechanism is followed or PO / CO evaluation in the Department:

Attainment of COs, PSO s and Pos are assessed mainly by two methods- Internal (CIE) and End Semester Assessment (ESA). Internal Assessment is based on the performance of the students in attendance, Assignments, internal marks etc. ESA is a summative one in which marks are awarded after university examinations.

Research

- a. Does the department have publications out of the work done within the department during the current academic year? Nil
 Yes No
 If yes furnish the following.

Sl. No	Name of faculty	Title of the paper	Title of the Journal and year of publishing	Citation index and impact factor of the journal, if available

- b. Give details of the publication by faculty, if any. Nil

Sl. No	Name of faculty	Title of the paper/book	Title of the Journal / book and year of publishing	Citation index and impact factor of the journal, if available

- c. Is the department recognized as a research department? Yes
 Yes No
 If yes give the number of research scholars joined this year. Nil

- d. How many teachers are recognized research guides of MG University - 3
- e. How many teachers have PhD's -5
- f. Did the department produce any Ph. D during the last two years? (*For research departments only*) Yes

 Yes

 No

If yes furnish the following

Sl. No	Name of the Research scholar	Name of the guide	Title of the thesis	Year of awarding
1.	Ansu R.	Dr. Pratheep P.S.	A Study on Cultural Tourism in Kerala with Special reference to Aranmula Heritage Village	2023
2.	Agney G.K.	Dr. Pratheep P.S.	A study on the sanitation of urban places: Planning and Public Health in Travancore :1895- 1957	2023

- g. Does the department have any running major research project? Nil

h.

 Yes

 No

If yes furnish the following.

Sl. No	Name of the principal investigator	Duration		Title of the project	Funding agency
		from	To		

- i. Does the department have any running minor research project? Nil

 Yes

 No

If yes furnish the following.

Sl. No	Name of the Principal investigator	Duration		Title of the project	Funding agency
		from	To		



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- j. Did the department receive any assistance from Government or Non governmental agencies during the academic year? Nil

 Yes No

Sl. No	Title of the program	Duration		Funding agency	Amount allocated
		from	to		

- k. Did the department submit any new proposal for project, seminar etc. to funding agencies during the academic year? Nil

 Yes No

If yes give details

- l. Did the department conduct seminar/workshop/conference/ programmes etc. during the academic year?

 Yes No

If yes furnish the following

Sl. No	Title of the seminar/ workshop/ conference etc.	Duration		Whether international/ national/ state/regional	Funding Agency if any
		From	To		
1	Seminar	21-9-23	21-9-23	National	Catholicate College PTA

- m. How many student projects are executed on social issues? 1

- n. Any other relevant information the department wishes to add. Nil

Consultancy and extension

- a. Did the department sign any MoU with industry or any other agency?

 Yes No

If yes give details. Nil



b. Does the department conduct consultancy services?

Yes

No

If yes give details Nil

c. Does the department provide job-oriented / career counselling training for students?

Yes

No

If yes give details-

1. Civil Service orientation programme- Dr.Pratheep P.S -25-5-23

2. Career Guidance Programme- Minta Mariam Varghese – 7-6-23

d. Does the department arrange placement for students?

Yes

No

If yes give details- Nil

e. Does the department conduct/coordinate any kind of extension activities?

Yes

No

If yes give details. Archeological and cultural survey

f. How many teachers attended the Malavya Mission training on NEP ? Nil

g. Any other relevant information the department wishes to add. Nil

Extracurricular activities

a. Does the department students participate in the interdepartmental sports/ cultural contests?

Yes

No

If yes give details

1. Vibha- D1 History- winner- Intercollegiate Volleyball Championship

2. Sumayya Beegum –Arabic Poetry- Ist- in college level and ‘A’ grade in University level

3. Sreedev- D3 History- Second in college level- Percussion instrument- eastern- and A grade in University level.

4. Sacchu S. Kaimal- Clay Modelling- Ist in college level- and A grade in University level.

5. Akhiladevi and Party- Skit- Third in college level

b. Mention achievements if any, of the students that come under the department.

- c. Mention the student association activities if any, during the academic year – **Onam Celebration, Athappookkalam contest, Christmas celebration, Pulkoodu making contest, Carol song contest, “Frost Fete” Cake Fest, Cultural Programmes during the Retirement Function of Dr. Pratheep P.S.**
- d. Mention the performance of students in the sports activities during the academic year. **Vibha- D1 History- winner- Intercollegiate Volleyball Championship**
- e. How many Interdepartmental competitions are organized by the department Nil
- f. What is the role of the Department with the Innovation center of the institution Nil
- g. Any other relevant information the department wishes to add. Nil

Governance and Practices

a Are any members of the department involved in the administrative/club/committee activities of the college?

Yes

No

If yes furnish the following (use separate sheet if necessary)

Sl. No.	Name	Activity to which associated
1	Dr. Pratheep P.S.	UGC Planning Board, Research Advisory Committee, RUSA
2	Dr. Smitha Sara Padiyara	1. Staff Advisor, College Magazine, 2. Member, Staff Council
3	Dr. Ansu R.	Library Promotion Council, Open Course Faculty Advisor, Tutorial, AISHE
4	Fr. Dr. Thomson Robi	Election Returning Officer
5	Vivek Jacob Abraham	IQAC, Staff club
6	Boban Aloysius	University Examinations, Health Club, PTA, website committee, Bhoomitrasena, Cath Brigade
7	Dr. Anu R.	Admission Committee, Internal Examination, KIRF

- a. Describe the measures taken for maintaining the cleanliness of staff room, classrooms, labs, museums etc.- **Students, teachers and cleaning staff of the college together maintain cleanliness.**
- b. Does the department maintain proper documentation of data? Yes



Yes

No

c. Does the department has any collaborations with other institutions for staff or student exchange programme ?

Yes

No

If yes give details

d. Does the department conduct student Mentoring / Counseling?

Yes

No

If yes give details

e. Mention the measures if any, taken by the department for personality development/ soft skills of the students--- **Planting of trees, Yoga training, Charity works**

f. How many students are involved in the activities of the Innovation centre ?

g. Do you perform PBAS - **YES**

h. What is the grievance redressal mechanism in the department ? **A Grievance Cell was constituted. A Grievance Box was installed. Cases reported by students were checked and solved by teachers of Grievance Cell.**

i. What are the green initiatives of the department ? **planting trees in the campus**

j. How many departmental staff meetings were held during the assessment period? **15**

k. Mention one best practice of the department - **Archaeological and Historical Survey in the locality.**

l. What are the future plans of the Department? **Development of Museum, Training students in AI and IT, Training in Local History writing, Strengthening the Alumni Forum**

m. Give two strengths of the Department- **A vibrant student community, Dedicated Faculty**

n. Give two weakness of the Department - **Lack of authentic history books, Students coming from poor socio-economic backgrounds.**

o. Any other relevant information the department wishes to add. (List)

Signature:

Head of the Department: Dr. Smitha Sara Padiyara

Seal :



**CATHOLICATE COLLEGE
PATHANAMTHITTA**

**ACADEMIC ADMINISTRATIVE AUDIT
FOR DEPARTMENTS**

**AUDIT DATA SOURCE
2023 - 2024**

Name of the Department: Post Graduate & Research Department of Chemistry

BASIC PROFOMA ABOUT THE DEPARTMENT

Name of the Department	: Post Graduate & Research Department of Chemistry
Total Teaching staff members	: 12
Total Permanent Teaching staff members	: 12
Programmes offered	: B. Sc. Chemistry M.Sc. Analytical Chemistry M. Sc. Polymer Chemistry Ph. D In Chemistry
Total Teachers with PhD	: 10
Average teaching experience of Teachers	: 8.5 years
Total Non-teaching Staff members	: 2
Total students during 2023-24	: 120

Courses	Male	Female	Total
B.Sc Chemistry	25	55	80
M.Sc. Analytical Chemistry	6	14	20
M. Sc. Polymer Chemistry	6	14	20

AUDIT RESPONSE

Curricular Aspects

- a. Number of value added / Add on certificate courses offered: 1
- b. Total teachers in various bodies of university
- BOS. -1
- Academic Council. - 0
- Examination committees. - 1
- c. Is there a departmental mechanism for feedback on curriculum and its analysis?: **No**
- d. Methods employed for curriculum delivery
- Planning: Action plan, curriculum plan, teaching plan, work diary
 - Special support: Mentoring, tutorial hours, industrial visits, ICT enabled teaching
 - Delivery- lecture hours, special lectures and materials, enrichment lectures, practicals
- e. Do you prepare a teaching plan : **Yes**
- f. Name one unique Student centric activity of the Department: Hands on training in the manufacturing of Rubber based products such as Gloves, Table Mats, Rubber Bands etc.

Teaching learning Evaluation

- a. Furnish the pass percentage for degree main 21-24year batch, and PG 2021-23 Year batch
- | | | |
|---------------------|----------------------------|---------|
| Postgraduate course | M.Sc. Analytical Chemistry | :69% |
| | M.Sc. Polymer Chemistry | : 82% |
| Degree | B.Sc. Chemistry | : 75.3% |

Mention ranks, if any, obtained for the PG 2021-23 batches. (Give the total number of students appeared for the University examination) .

Course	Rank	No. of students appeared for university examination
M.Sc. Analytical Chemistry	1 st - Anugraha Anna Thomas 3 rd - Shara K S 6 th -Jubitha Babu	50

M.Sc. Polymer Chemistry	1 st - L. Silpa 2 nd -Anagha Prasad 3 rd -Aiswarya S Nair 4 th -Anila Sujan	11
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b. Please furnish details of result analysis

Result Analysis of degree 2021-24 batch and PG 2021-23 batch

a. Class average % marks in entry level UG- 77%

PG: Analytical-84%, polymer- 78%

b. Class average % marks in exit level UG- 78.7%

PG Analytical- 80%, polymer - 77%

c. Did the department design any curricula this year? Certificate Courses? **Yes**

- Online Certificate Course on **Scientific Waste Management** for both UG and PG Students from 01-03-2024 onwards (30 hrs), in association with Northamps Global Ecosolutions Pvt. Ltd., & Suchithwa Mission Haritha Keralam

d. Does the department provide Remedial / Bridge / Tutorial classes? **Yes**

Sl. No.	Name of the teacher	Class for which Bridge teaching was arranged
1.	Dr. Preethy Soosan Thomas	I M.Sc. Analytical Chemistry
2.	Dr Saino Hanna Varghese	I M.Sc. Analytical Chemistry
3.	Dr Jinu P Y	I M.Sc. Analytical Chemistry
4.	Dr. Janey Mary Mathew	I M.Sc. Polymer Chemistry
5.	Dr Binoj K K	I M.Sc. Polymer Chemistry
6.	Dr. Thomas Abraham	1 st B.Sc. Chemistry
7.	Dr Aswathy Joseph	1 st B.Sc. Chemistry

Sl. No.	Name of the teacher	Class for which Remedial teaching was arranged
1.	Princy Susan Koshy	IIIrd B.Sc. Chemistry
2.	Dr Saino Hanna Varghese	IIIrd B.Sc. Chemistry

3.	Dr Binoj K K	IIIrd B.Sc. Chemistry
4.	Sumitha Tom	IInd B.Sc. Chemistry
5.	Princy Susan Koshy	IInd B.Sc. Chemistry
6.	Dr. Nissy Ann Harry	IInd B.Sc. Chemistry
7.	Dr. Aswathy Joseph	1 st B.Sc. Chemistry
8.	Dr. Sneha Jose E	1 st B.Sc. Chemistry

e. Does the department employ any innovations in teaching and evaluation methods? **Yes**

Give details of the innovative methods employed this year.

- ICT tools and resources used: Power point presentations, Google Classroom, Microsoft Teams, Google meet, Zoom
- E-resources and techniques used: e- Pathsala, NPTEL, SWAYAM, Google Classroom, Google meet, Zoom

f. Does the department conduct Student Teacher evaluation? **Yes**

If yes mention the measures taken on the basis of the evaluation.

- 1) Bridge Courses
- 2) Remedial teaching
- 3) Interaction with famous scientists and notable alumni
- 4) Special class for slow and advanced learners
- 5) Peer Group teaching

g. How many class rooms have smart boards: 2

h. How many teachers attended seminar/ workshop/ conference/ refresher courses / FDP etc. during2023-24..... (Use separate sheet if necessary)

Sl. No	Name of the faculty	Title of the seminar/ workshop/ conference etc.	Duration		Whether international/ national/ state/regional	Organizing agency
			From	To		
1.	Dr Saino Hanna Varghese	Seminar on Regulations and frameworks for four-year UG programme	18/11 /2023	18/11 /2023	Regional	IQAC, Catholicate College
2.	Dr Saino Hanna Varghese	Workshop on Regulations and frameworks for four year BSc Honours programme	28/10 /2023	28/10 /2023	Regional	Mahatma Gandhi University, Kottayam

3.	Dr Saino Hanna Varghese	Workshop: Construction of Syllabus for BSc Chemistry Honours programme	16/11 /2023	16/11 /2023	Regional	Mahatma Gandhi University, Kottayam
4.	Dr Saino Hanna Varghese	Workshop: Construction of Syllabus for BSc Chemistry Honours programme	07/12 /2023	08/12 /2023	Regional	Mahatma Gandhi University, Kottayam
5.	Dr Saino Hanna Varghese	21 st Annual Academic Conference	27/01 /2024	27/01 /2024	Regional	Corporate Management of MOC Colleges
6.	Dr Saino Hanna Varghese	One-week short term FDP in AI in education	29/03 /2024	04/04 /2024	National	Teaching Learning Centre, Ramanujan College, New Delhi under the aegis of Malaviya Mission Teacher training program
7.	Dr. Preethy Soosan Thomas	Seminar on Regulations and frameworks for four-year UG programme	18/11 /2023	18/11 /2023	Regional	IQAC, Catholocate College
8.	Dr. Preethy Soosan Thomas	7-day Online Workshop on Academic Horizons: The AI Integration	08/12 /2023	15/12 /2023	State Level	Lore & Ed Research Associates in association with Catholocate College, St. Teresa's College, Pavanatma College and Kuriakose Gregorios College, Pampady
9.	Dr. Preethy Soosan	21 st Annual Academic Conference	27/01 /2024	27/01 /2024	Regional	Corporate Management

	Thomas					t of MOC Colleges
10.	Dr. Preethy Soosan Thomas	NEP 2020 Orientation & Sensitization programme under Malavya Mission Teacher Training Programme	01/05 /2024	10/05 /2024	National	UGC-MMTTC(GAD-MMTTC), Sri Guru Tegh Bahadur Khalsa College, University of Delhi
11.	Dr. Janey Mary Mathew	Seminar on Regulations and frameworks for four-year UG programme	18/11 /2023	18/11 /2023	Regional	IQAC, Catholocate College
12.	Dr. Janey Mary Mathew	21 st Annual Academic Conference	27/01 /2024	27/01 /2024	Regional	Corporate Management of MOC Colleges
13.	Dr. Janey Mary Mathew	National seminar on Innovative chemical Techniques for sustainable development	23/02 /2024	24/02 /2024	National	Dept of Chemistry and Research, St. Albert's college, Ernakulam, Catholocate College, Pathanamthitta
14.	Princy Susan Koshy	Seminar on Regulations and frameworks for four-year UG programme	18/11 /2023	18/11 /2023	Regional	IQAC, Catholocate College
15.	Princy Susan Koshy	21 st Annual Academic Conference	27/01 /2024	27/01 /2024	Regional	Corporate Management of MOC Colleges
16.	Dr Binoj K K	Seminar on Regulations and frameworks for four-year UG programme	18/11 /2023	18/11 /2023	Regional	IQAC, Catholocate College
17.	Dr Binoj K K	Two Day National Seminar on Exploring Frontiers in Chemical Innovation-IFCI2023	14/12 /2023	15/12 /2023	National	Department of Chemistry & Centre of Research, Baselios College,

						Kottayam
18.	Dr Binoj K K	Online two-week Refresher Course in "CHEMISTRY"	15/12 /2023	29/12 /2023	National	Teaching Learning Centre, Ramanujan College, New Delhi under the aegis of Malaviya Mission Teacher training program
19.	Dr Binoj K K	21 st Annual Academic Conference	27/01 /2024	27/01 /2024	Regional	Corporate Management of MOC Colleges
20.	Sumitha Tom	Seminar on Regulations and frameworks for four year UG programme	18/11 /2023	18/11 /2023	Regional	IQAC, Catholocate College
21.	Sumitha Tom	21 st Annual Academic Conference	27/01 /2024	27/01 /2024	Regional	Corporate Management of MOC Colleges
22.	Sumitha Tom	International Seminar on Chemical Science for sustainable future	23/02 /2024	23/02 /2024	International	Department of Chemistry & Centre for Research, St, Teresa's College(Autonomous) Ernakulam
23.	Dr. Jinu P. Y	Seminar on Regulations and frameworks for four year UG programme	18/11 /2023	18/11 /2023	Regional	IQAC, Catholocate College
24.	Dr. Nissy Ann Harry	4-Week Faculty Induction/ Orientation Programme	22 July 2023	20 August 2023	National	Teaching Learning Centre, Ramanujan College, University of Delhi
25.	Dr. Nissy	Seminar on Regulations	18/11	18/11	Regional	IQAC,

	Ann Harry	and frameworks for four year UG programme	/2023	/2023		Catholicate College
26.	Dr. Aswathy Joseph	FDP on e-Content Development	10-10-2023	16-10-2023	National	Teaching Learning Centre, Ramanujan College, New Delhi under the aegis of Malaviya Mission Teacher training program
27.	Dr. Aswathy Joseph	Seminar on Regulations and frameworks for four year UG programme	18/11/2023	18/11/2023	Regional	IQAC, Catholicate College
28.	Dr. Aswathy Joseph	21 st Annual Academic Conference	27/01/2024	27/01/2024	Regional	Corporate Management of MOC Colleges
29.	Dr. Aswathy Joseph	1st (FDP) on Density Functional Theory Modelling of Materials: Crystals, Thin Films and Nanomaterials (DFT-M) 11th – 17th March 2024 via Online Mode	11-03-2024	17-03-2024	National	Centre for Advanced Computational Research, Delhi
30.	Dr. Aswathy Joseph	International Conference on Advanced Research (INSIGHT 2024)	08/02/2024	09/02/2024	International	MES Keveeyam College, Valancheery, Malapuram
31.	Dr. Sneha Jose E	Seminar on Regulations and frameworks for four year UG programme	18/11/2023	18/11/2023	Regional	IQAC, Catholicate College
32.	Dr. Sneha Jose E	21 st Annual Academic Conference	27/01/2024	27/01/2024	Regional	Corporate Management of MOC Colleges
33.	Dr. Sneha	International Seminar	23/02	23/02	International	Department

	Jose E	on Chemical Science for sustainable future	/2024	/2024		of Chemistry & Centre for Research, St, Teresa's College (Autonomous) Ernakulam
34.	Dr. Thomas Abraham	Seminar on Regulations and frameworks for four year UG programme	18/11/2023	18/11/2023	Regional	IQAC, Catholice College
35.	Dr. Thomas Abraham	21 st Annual Academic Conference	27/01/2024	27/01/2024	Regional	Corporate Management of MOC Colleges

i. Give details of faculty members, if any, who are selected as resource persons for seminar/workshop/conference/refresher courses etc. during 2023-24? (Use separate sheet if necessary)

Sl. No	Name of faculty	Title of the seminar/workshop/ conference	Duration		Whether international/national/state/regional	Organizing agency
			From	To		
1	Sumitha Tom	SAGA 2024-An Exhibition on Science, Arts, Handicrafts & Technology	04/01/2024	05/01/2024	Regional	Jerusalem Mount Higher Secondary School, Vakathanam, Kottayam
2	Dr. Jinu P Y	Curriculum Enrichment Program	30/06/2023	30/06/2023	Regional	Kuriakose Gregorios College, Pampady
3	Dr. Jinu P Y	ChemSpark-2023	25/11/2023	25/11/2023	Regional	Catholice College

- j. List the student centric learning methods adopted in the department:
- Student publications - MESON
 - Association activities- DALTONS CONCLAVE
 - Student smart teaching

- Invited lectures-Chemistry lecture series & Alumni lecture series
- Industrial Visits
- Hands-on Training programmes at Common Facility Service Centre, Govt of Kerala
- CHEMSPARK- Extension programme

k. Give details of Continuous Internal Evaluation process:

A system of Internal Assessment for all papers, which has the provision of 20 marks per paper in each program with separate weightage for Attendance, Class Test and Assignment/Seminar according to Mahatma Gandhi University Regulations. The schedule for Class Tests/Assignments is notified in advance to the students. The schedules announced are strictly adhered to. Department has a Monitoring Committee that verifies the internal assessment data of the students before displaying in the notice board. A Grievance Redressal committee is also constituted to look after the grievances put forward by the students with regard to internal examinations. Internal Assessment Data are uploaded in the University Examination Portal with in the stipulated time. The College has a system of Student Feedback, which facilitates effective implementation of evaluation processes which allows retest/ revaluation. Ensuring transparency, the system of evaluation is effectively implemented.

l. What are the ICT facilities available in the Department:

- Class rooms with Smart boards
- Science theatre with projector
- Digital theatre with virtual lab facility
- Virtual classes: MS teams, Google meet, Google classrooms
- Virtual Lab sessions in association with NIT, Karnataka

m. Total teachers using ICT facilities:12

n. List the specialized labs in the Department:

- B. Sc. Laboratory
- M.Sc. Laboratory
- Instrumentation Laboratory for MSc students
- Research Laboratory

o. Do you have a Departmental library : **Yes**
No. of Books :1883

p. What mechanism is followed or PO / CO evaluation in the Department:

Identifying a course coordinator (for each course)

Course evaluation team formation

Course content evaluation in relation to PSOs and Pos

Mapping PO-PSO-PO

Benchmarking the attainment value of all Pos and Cos in a scale of 0-5 by the course evaluation team

Evaluation of CO through direct method

Calculation of the class average of all Cos and then comparing with benchmark

Sample benchmark slab given for CO attainment by direct method

Currently, the overall course outcome is measured by considering a proportion of 1:4 CIE and ESA. The level of attainment of outcome is measured by calculating the number of students who secure the benchmark score for their overall assessment. If only less than 50% students attain the benchmark, then the curricular delivery method is revisited and corrective action is proposed.

The attainment of PSO of each candidate is measured by considering the weighted cumulative average scores are indicated by the grades.

The average attainment of each course outcome is correlated with PSOs in PO-Co mapping matrix. The weighted average value of PSO is then evaluated to determine the attainment of each PSO.

The average attainment of each PSO is correlated with Pos in PSO-PO mapping matrix. The weighted average value of PO is then evaluated to determine the attainment of each PSO in direct method.

Evaluation of Pos through indirect method: The indirect assessment is based on Programme exit Survey conducted after the completion of the programme.

Assigning an indirect method evaluation value for the exit survey in a 1-5 scale.

Final attainment values of PO are ascertained by summing up 80% of the attainment value of PO using the direct method and 20% using indirect method for each PO.

If this final attainment value is below the benchmark value, corrective measures have to be initiated for the next batch.

Research

a. Does the department have publications out of the work done within the department during the current academic year? **Yes**

If yes furnish the following.

Sl. No	Name of faculty	Title of the paper	Title of the Journal and year of publishing	Citation index and impact factor of the journal, if available
1.	Janey Mary Mathew, Sunil Jacob	Synthesis, Spectral, Antimicrobial and In vitro Antitumorous Studies of Copper based multidentate thiosemicarbazones	Oriental Journal Of Chemistry 2023, Vol. 39, No.(2): Pg. ISSN: 0970-020 X	IF=0.8
2.	Aswathy Joseph	Complex dielectric response and EDL characteristics of different types of ionic	Chemical Physics Impact 2023, Volume 7, 2023, 100357, https://doi.org/10.1016/j.c	Citation index=1 IF=2.2

		liquid iron oxide nanofluids (ionanofluids)	hphi.2023.100357	
3.	Aswathy Joseph	Hydro-ionothermally generated paramagnetic Fe states embedded ferromagnetic iron oxide with a 2D hexagonal nano structure: A conceptual intervene on methylene blue degradation mechanism	Crystal Growth & Design, 2023, https://doi.org/10.1021/acs.cgd.3c00348	IF=3.8
4.	Sunil Jacob, Nissy Ann Harry,	Proximate composition analysis of some commonly available fishes of kerala	International Journal of Biology, Pharmacy and Allied Sciences	IF=2.3
5.	Sunil Jacob, Nissy Ann Harry, Kunju Kunju Binoj	Chemical Synthesis of Modularly Modified Analogs of E2/NS1 Peptides on a Novel Chemically and Mechanically Stable Terpolymer of 1,6-Hexanediol Diacrylate, N-Vinylpyrrolidone on Styrene Support	<i>TRENDS IN SCIENCES</i> 2023; 20(10): 6840	
6.	Sunil Jacob, Nissy Ann Harry,	Study of relationship of adiposity to performance among children between ages 13 to 16 years using Kraus-Weber test	International Journal of Biology, Pharmacy and Allied Sciences	2.3
7.	Sunil Jacob	Molecular transport of aromatic hydrocarbons through ethyl cellulose – Acrylonitrile butadiene styrene blends	Materials Today: Proceedings, 2023,ISSN 2214-7853, https://doi.org/10.1016/j.matpr.2023.05.719	IF-3.2

8.	Sunil Jacob	A new hotspot of macro-litter in the Rutland Island, South Andaman, India: menace from IORC.	<i>Environ Sci Pollut Res</i> 30, 82107–82123 (2023). https://doi.org/10.1007/s11356-023-28024-8	IF=5.8
9.	Sunil Jacob.	Semiconducting indolocarbazole based polymer decorated with magnetic ferrofluid for efficient Cr(VI) removal.	<i>Polym.Bull.</i> (2023). https://doi.org/10.1007/s00289-023-04883-6	IF=3.2
10.	Sunil Jacob	Biocompatibility evaluation of nano-hydroxyapatite modified hydroxypropyl methylcellulose/polyvinylpyrrolidone blends.	<i>Polym.Bull.</i> (2023). https://doi.org/10.1007/s00289-023-04870-x	IF=3.2
11.	Sunil J, Nissy AH,	Study of Relationship of Adiposity to Performance among Children between ages 13 to 16 years using Kraus-Weber test	International Journal of Biology, Pharmacy, and Allied Sciences (IJBPAS), 2023, 12(6), 336-347	IF=2.375
12.	Nissy Ann Harry, Sunil Jacob,	A Novel Chemically and Mechanically Stable Terpolymer for Acyl and Retro Acyl Carrier Protein Fragment Synthesis: A Comparative Study with Merrifield Resin	Indian Journal of Natural Sciences	IF=2.742
13.	Thomas Abraham	Solution-based carbon quantum dots as electrochemical “on–off” switch in aqueous medium	Microchemical Journal, 2023	4.8
14.	Thomas Abraham	TMDC-based hybrid photocatalyst for antibiotics degradation: A comprehensive review	FlatChem, 2024	6.2

b. Give details of the publication by faculty, if any.

Sl. No	Name of faculty	Title of the paper/book	Title of the Journal / book and year of publishing	Citation index and impact factor of the journal, if available
1.	Janey Mary Mathew & Dr. Sunil Jacob	Synthesis, Spectral, Antimicrobial and In vitro Antitumorous Studies of Copper based multidentate thiosemicarbazones	Oriental Journal Of Chemistry ISSN: 0970-020 X 2023, Vol. 39, No.(2): Pg.	IF= 0.8
2.	Aswathy Joseph	Complex dielectric response and EDL characteristics of different types of ionic liquid iron oxide nanofluids (ionanofluids)	<i>Chemical Physics Impact</i> 2023, Volume 7, 2023, 100357, https://doi.org/10.1016/j.chphi.2023.100357	IF=2.2
3.	Aswathy Joseph	Hydro-ionothermally generated paramagnetic Fe states embedded ferromagnetic iron oxide with a 2D hexagonal nano structure: A conceptual intervene on methylene blue degradation mechanism	Crystal Growth & Design, 2023, https://doi.org/10.1021/acs.cgd.3c00348	IF=3.8
4.	Sunil Jacob, Nissy Ann Harry,	Proximate composition analysis of some commonly available fishes of kerala	International Journal of Biology, Pharmacy and Allied Sciences	IF=2.3
5.	Sunil Jacob, Nissy Ann Harry, Kunju Kunju Binoj	Chemical Synthesis of Modularly Modified Analogs of E2/NS1 Peptides on a Novel Chemically and Mechanically Stable Terpolymer of 1,6-Hexanediol Diacrylate, N-	<i>TRENDS IN SCIENCES</i> 2023; 20(10): 6840	

		Vinylpyrrolidone on Styrene Support		
6.	Sunil Jacob, Nissy Ann Harry,	Study of relationship of adiposity to performance among children between ages 13 to 16 years using Kraus-Weber test	International Journal of Biology, Pharmacy and Allied Sciences	2.3
7.	Sunil Jacob	Molecular transport of aromatic hydrocarbons through ethyl cellulose – Acrylonitrile butadiene styrene blends	<i>Materials Today: Proceedings, 2023,ISSN 2214-7853,https://doi.org/10.1016/j.matpr.2023.05.719</i>	IF=3.2
8.	Sunil Jacob	A new hotspot of macro-litter in the Rutland Island, South Andaman, India: menace from IORC.	<i>Environ Sci Pollut Res 30, 82107–82123 (2023). https://doi.org/10.1007/s11356-023-28024-8</i>	IF=5.8
9.	Sunil Jacob.	Semiconducting indolocarbazole based polymer decorated with magnetic ferrofluid for efficient Cr(VI) removal.	<i>Polym.Bull. (2023). https://doi.org/10.1007/s00289-023-04883-6</i>	IF=3.2
10.	Sunil Jacob	Biocompatibility evaluation of nano-hydroxyapatite modified hydroxypropyl methylcellulose/polyvinylpyrrolidone blends.	<i>Polym.Bull. (2023). https://doi.org/10.1007/s00289-023-04870-x</i>	IF=3.2
11.	Sunil J, Nissy AH,	Study of Relationship of Adiposity to Performance among Children between ages 13 to 16 years using Kraus-Weber test	International Journal of Biology, Pharmacy, and Allied Sciences (IJBPAS), 2023, 12(6), 336-347	IF=2.375

12.	Nissy Ann Harry, Sunil Jacob,	A Novel Chemically and Mechanically Stable Terpolymer for Acyl and Retro Acyl Carrier Protein Fragment Synthesis: A Comparative Study with Merrifield Resin	Indian Journal of Natural Sciences	IF=2.742
13.	Aswathy Joseph	Emerging prospects of redox active io-nanofluids in redox flow batteries” presented at the	Proceedings of the International Conference on Advanced Research (INSIGHT 2024) held at MES Keveeyam College, Valancheery, Malapuram on 8 th February 2024. (ISBN:...)	
14.	Aswathy Joseph	Investigation of Redox Nature of Iron Oxide-Ionic Liquid Nanofluids for Flow Battery Applications	Proceedings of International Online Conference on Basic Sciences for Sustainable Development (ICBSSD 2022) organized by Amal Jyothi College of Engineering, Kottayam on 16 th -17 th December 2022. ISBN: 978-93-5779-984-3	

c. Is the department recognized as a research department? **Yes**

If yes give the number of research scholars joined this year – 0

d. How many teachers are recognized research guides of MG University: 4

e. How many teachers have PhD's: 10

f. Did the department produce any Ph. D during the last two years? **No**

g. Does the department have any running major research project? **No**

h. Does the department have any running minor research project? **No**

i. Did the department receive any assistance from Government or Non governmental agencies during the academic year? **Yes (proposed)**

Sl. No	Title of the program	Duration		Funding agency	Amount allocated
		from	to		
	Aproval for KSCSTE -Scheme for promoting Seminar/ Symposia/ Workshop for conducting Two-day National Conference on Energy Materials and Environment (EME 2024) on June 13 th and 14 th June 2024.	13/06/2024	14/06/2024	Kerala State Council For Science, Technology and Environment (KSCSTE)	Rs. 30,000/-

j. Did the department submit any new proposal for project, seminar etc. to funding agencies during the academic year? **Yes**

- Proposal submitted to State University Research Excellence (SERB - SURE)- Proposal submitted by Dr. Aswathy Joseph on 14-02-2024

k. Did the department conduct seminar/workshop/conference/ programmes etc. during the academic year? **Yes**

Sl. No	Title of the seminar/ workshop/ conference etc.	Duration		Whether international/ national/ state/regional	Funding Agency if any
		From	To		
1	World Environment Day Observance	05-06-2023		Regional	Nil
2	Inauguration of Chemistry Lecture Series & Dalton's Conclave Association Activities	14-07-2023		Regional	Nil
3	Workshop on Cosmetics & Sanitary Products	27.07.2023		Regional	Nil
4	Three Days Practical Training in Rubber & Plastic Products Manufacturing for MSc Students	05/08/2023	13/8/2023	Regional	Nil
5	Hiroshima Observance Day	09-08-2023		Regional	Nil
6	Chemistry Lecture Series	22-11-2023		Regional	Nil

	Phase II				
7	Alumni Lecture series	27-11-2023		Regional	Nil
8	National Seminar- Albertian Knowledge Summit in collaboration with St Alberts College (Autonomous), Ernakulam	07-02-2024 to 08-02-2024		National	Nil
9	Poster making competition for Prof. V. T. Thomas Memorial Ever Rolling Trophy for high school students in connection with National Science Day	22.02.2024		Regional	Nil
10	National Science Day Observation	28.02.2024		Regional	Nil
11	International Women's Day Observation	06.03.2024		Regional	Nil

i. How many student projects are executed on social issues? Nil

Consultancy and extension

- a. Did the department sign any MoU with industry or any other agency? **Yes**
- MOU with Science Centre, Kodungaloor & Integrated Rural Technology Centre (IRTC), Palakkad signed on 27.7.2023
- b. Does the department conduct consultancy services? **No**
- c. Does the department provide job-oriented / career counselling training for students? **No**
- d. Does the department arrange placement for students? **No**
- e. Does the department conduct/coordinate any kind of extension activities? **Yes**
1. **ChemSpark**: One-day workshop on Innovative Techniques in Chemistry on 25-11-2023 for higher secondary and high school students of Pathanamthitta District and Nearby Districts

2. Online Certificate Course on **Scientific Waste Management** for both UG and PG Students from 01- 03-2024 onwards (30 hrs), in association with Northamps Global Ecosolutions Pvt. Ltd., & Suchithwa Mission Haritha Keralam.
- f. How many teachers attended the Malavya Mission training on NEP ? 2
- Dr. Preethy Soosan Thomas, NEP 2020 Orientation & Sensitization programme under Malavya Mission Teacher Training Programme, 01/05/2024, 10/05/2024, National, UGC-MMTTC(GAD-MMTTC), Sri Guru Tegh Bahadur Khalsa College, University of Delhi
 - Dr. Aswathy Joseph, FACULTY DEVELOPMENT PROGRAM, 10th October to 16th October 2023, e-Content Development.

Extracurricular activities

- a. Do the department students participate in the interdepartmental sports/ cultural contests?
Yes
- b. Mention achievements if any, of the students that come under the department.
1. Nithin John- Awarded the certificate of distinction in Green Olympiad for youth (GO4 Youth)
 2. Bijo Biju- NPTEL Online Certification
 3. Greeshma C Prasad – a) **First Prize** in Dr. K. Ayyappa Paniker Memorial Intercollegiate Literary Quiz, First Prize in Inter Collegiate Quiz Competition
b) Participation in the final Round of Quiz Competition for College Students In Connection with The Kerala Legislature international Book Festival
c) Third Prize in the Quiz Competition Organized by PG & Research Department of Mathematics, Catholicate College, Pathanamthitta
 4. Jeeva Raj – Selected for Tamilnadu Trekking Expedition 2024
 5. Abhinand P V- Scientia 2024 All Kerala Intercollegiate Quiz Competition, Dr. P A Nelson Memorial Intercollegiate Quiz Competition
 6. Fadhin P - Scientia 2024 All Kerala Intercollegiate Quiz Competition, Dr. P A Nelson Memorial Intercollegiate Quiz Competition
 7. Jesna Ann Jibi- **First Prize** in Essay Writing (English) In MG University Youth Festival 2024
- c. Mention the student association activities if any, during the academic year
1. Inauguration of Chemistry Lecture Series & Dalton's Conclave Association Activities and Release of Department Magazine “Meson” on 14 July 2023
 2. Hiroshima Observance Day on the topic “Space and space weather” on 09 August 2023
 3. Chemspark 2023- Extension programme on the topic “innovative Techniques in Chemistry”
 4. Poster making competition for high school students for Prof. V. T. Thomas Ever Rolling Trophy on 22.02.2024
 5. National Science Day celebration on the topic “A journey through Science of Chem Mysteries” on 28 February 2024

- d. Mention the performance of students in the sports activities during the academic year.
- a) Priyank D Alex- Member of The Team Which Secured Third Prize In The Inter-Collegiate Chess Tournament For The Year 2023-2024 Held At Sh College Thevara
 - b) Anjana V - Participation In The All India Thal Sainik Camp (Aitsc) 2023 Held At New Delhi And Achieved Silver Medal In Rifle Shooting
- e. How many Interdepartmental competitions are organized by the department- **Nil**
- f. What is the role of the Department with the Innovation center of the institution

In connection with the Innovation center, **Three** Students have Submitted ideas in the Young Innovators Programme (YIP) portal.

Governance and Practices

- a. Are any members of the department involved in the administrative/club/committee activities of the college?

Yes

Sl. No.	Name	Activity to which associated
1.	Dr. Sunil Jacob	Principal, College council, IQAC
2.	Dr, Saino Hanna Varghese	College Council, Central Instrumentation Lab, IQAC, Research Advisory committee, University Orthodox Teachers Christian Association and Campus Ministry (Convenor), Discipline and Grievance Redressal Committee, Website Committee (Convenor), AISHE, KIRF (Convenor), Purchase Committee, Massive Online Open Course (MOOC)
3.	Dr. Preethy Soosan Thomas	College council, IQAC, Social Service League, Tutorial System
4.	Dr Janey Mary Mathew	Admission committee, Catholicate College Empl. Co-Operative Bank, Internal Examinations & Evaluation, Debate & Quiz Club (Convenor)
5.	Princy Susan Koshy	Open Course
6.	Dr Binoj K K	University Examination, Departmental Association, Music & Drama Club, Library Promotion Council, Remedial Classes (Convenor), Athletics and Sports Promotion Council, NIRF
7.	Sumitha Tom	College council, University Orthodox Teachers Christian Association and Campus Ministry, NET Coaching Committee,

		Consultancy Committee, Women's Cell, Media Club & Public Relations, Catholicate Brigade - Social Battalion & Task Force(convenor)
8.	Dr Jinu P Y	Admission committee, Anti-Narcotic Committee, Internal Complaints Committee, SC/ST Monitoring Cell(convenor)
9.	Dr Nissy Ann Harry	Alumni Association, Tourism Club, Women's Cell
10.	Dr Aswathy Joseph	Music & Drama Club, Bhoomitrasena Club, KIRF(Coordinator), IEDC Coordinator
11.	Dr Sneha Jose E	Social Service League, Legal Literacy Cell
12.	Dr Thomas Abraham	AISHE, Media Club & Public Relations

b. Describe the measures taken for maintaining the cleanliness of staff room, classrooms, labs, museums etc.

We have implemented a routine cleaning schedule ensures that all areas are regularly attended to. This might include daily, weekly, and monthly tasks. A waste disposal system has also been maintained in the laboratory concerned.

c. Does the department maintain proper documentation of data? **Yes**

d. Does the department have any collaborations with other institutions for staff or student exchange programme?

Yes, The Department has both academic and Industrial Collaboration with various institutions. The details are the following:

- i.** National Institute of Technology, Karnataka, Surathkal, Karnataka- Virtual Lab
- ii.** AKAY Natural Ingredients Pvt Ltd- Industrial
- iii.** Common Facility Service center, Govt of Kerala –Industrial
- iv.** St. Alberts College, Dept. of Chemistry- Academic& Research

e. Does the department conduct student Mentoring / Counselling?

Yes

We have a student mentoring system that provide academic guidance to students, helping them understand course requirement and plan their academic trajectory within the department. Department has also taken keen initiative to help students explore potential career paths within their field of study and personal support. The interaction with famous academicians and scientists and also with alumni through chemistry lecture series aims to give them proper guidance to their higher studies and placements.

f. Mention the measures if any, taken by the department for personality development/ soft skills of the students

g. How many students are involved in the activities of the Innovation center?

In connection with the Innovation center, **Three** Students have Submitted ideas in the Young Innovators Programme (YIP) portal.

h. Do you perform PBAS: Yes

i. What is the grievance redressal mechanism in the department?

The department has a committee for grievance redressal which is responsible for receiving, documenting, and addressing grievances. We have maintained clear communication channels through which students can submit their grievances. This may include email, online forms, complaint boxes, or in-person meetings with the committee members.

j. What are the green initiatives of the department?

1) Energy Conservation: All the compact fluorescent lamps (CFLs), mercury and sodium vapor have been changed to energy efficient Light Emitting Diodes (LEDs) bulbs and tube lights in the department. The faculty members, administrative staff and students in the department are advised to use electric power judiciously. The department is constructed in such a way with more provision of natural lights and ventilation, enabling lower consumption of electrical energy in day time.

(2) Rainwater Harvesting: Rainwater harvesting systems are in operation. The rainwater is collected from the roof of the building and stored in a tank. The stored rainwater is being used extensively in lab and irrigating gardens.

(3) Waste Management: Proper waste disposal measures are taken in the laboratory. Chemical hazardous waste (both liquid and solid) generated from laboratories are collected separately and disposed-off properly with necessary precautions. Store chemical wastes in appropriate containers. Segregate chemical waste by compatibility such as acids, bases, flammables, oxidizers and water reactive etc. and not according to alphabetical order. Department of Chemistry has signed an Mo U with Keral Enviro Infrastructure Pvt.Lt. on handling and disposal of Chemical waste. Green chemistry approaches are also applied in the laboratory and incorporates the principles of green chemistry for pollution prevention and source reduction. . Less hazardous liquid chemical waste from laboratory are channelized to separate concrete tank and regular water quality testing ensures that there are no chemical contaminants in the water.

(4) Use of plastic bags is banned in the department. Instead of flex boards, cloth banners were used in seminars and other programs.

(5) Clean and Green Campus

The department is located amidst serene natural environment and all members of teaching and non-teaching staff along with students are dedicated towards maintaining its greenery and cleanliness. The syllabus of the UG Programme include and give importance to environmental studies. The department conduct regular programmes on the preservation of nature, with the purpose of persuading the students to use environmentally friendly products, and to minimise the use of products which are harmful to nature. Important days such as World environment day, Earth Day and Ozone Day are also observed.

k. How many departmental staff meetings were held during the assessment period? : 11

- l.** Mention one best practice of the department
1. Industry - Institution Collaborations & Student Internships
 2. Meson -The House Magazine of Dalton's Conclave
 3. Microscale experiment for Qualitative Organic Analysis for Under Graduate Students – Safe and cost-effective green alternatives to lab experiments.
 4. ChemSpark
- m.** What are the future plans of the Department?
- **Expansion of Research:** Department has plans to developing interdisciplinary research collaborations with institutions
 - **Curriculum enrichment:** As part of the New Education policy, Department aims to integrate experiential learning opportunities, such as internships or industry placements.
 - **Inclusion Initiatives:** Establishing special mentorship programs for underrepresented student groups, scholarship and financial support for poor Students etc
- n.** Give two strengths of the Department:
1. Out of 12 faculty members, 10 are PhD holders and 2 are pursuing PhD. All are permanent faculty members.
 2. The Department has a strong interdisciplinary collaboration with academic and industrial institutions
- o.** Give two weakness of the Department:
1. Although recently recognized as a Research Centre, the department has minimal instrumentation and computational facility.
 2. Insufficient funding for research work can constrain the ability of faculty and students to conduct research.

Signature:

Head of the Department:

Seal:

**CATHOLICATE COLLEGE
PATHANAMTHITTA**

**ACADEMIC ADMINISTRATIVE AUDIT
FOR DEPARTMENTS**

**AUDIT DATA SOURCE
2023 - 24**



Name of the Department: Post Graduate & Research Department of Botany

**BASIC PROFOMA ABOUT THE DEPARTMENT**

Name of the Department : Post Graduate & Research Department of Botany

Total Teaching staff members : 8

Total Permanent Teaching staff members : 7

Programmes offered : B.Sc Botany, M.Sc Botany, **Ph.D. Botany**

Total Teachers with PhD : 6

Average teaching experience of Teachers : 14 years

Total Non-teaching Staff members : 3

Total students during 2023-24

Courses	Male	Female	Total
B.Sc. Botany	D1:5 D2: 7 D3:9 Total:21	D1:15 D2: 21 D3:30 Total:66	D1:20 D2: 28 D3: 39 Total:87
M.Sc. Botany	6	18	24
Ph.D. Botany			



AUDIT RESPONSE

Curricular Aspects.

- a. Number of value added / Add on certificate courses offered: 2

- b. Total teachers in various bodies of university
BOS. - Nil
Academic Council. - Nil
Examination committees. Nil -

- c. Is there a departmental mechanism for feedback on curriculum and its analysis? No

- d. Methods employed for curriculum delivery: Classroom teaching, Practical Session,
Field studies, internships, Laboratory and industry visits

- e. Do you prepare a teaching plan: Yes

- f. Name one unique Student centric activity of the Department: Museum preparation,
Herbarium based learning



Teaching learning Evaluation

- a. Furnish the pass percentage for degree mainyear batch, subsidiaries year batch, and PG Year batch.

Postgraduate course : 77.78% (14/18)
9th Rank:Nidhina Krishnan
10th rank: Anusree T
Degree : 70.00% (21/30)

Mention ranks, if any, obtained for the batches. (Give the total number of students appeared for the University examination) .

- b. Please furnish details of result analysis

If yes furnish the following for degreebatch and PG batch

- a. Class average % marks in entry level =
b. Class average % marks in exit level =
c. Did the department design any curricula this year? Certificate Courses? No

Yes

No

If yes, give details

- d. Does the department provide Remedial / Bridge / Tutorial classes? Yes



Yes

No

If yes furnish the following

Sl. No.	Name of the teacher	Class for which Rem. /Bridge teaching was arranged
1	Dr. Deepthi A. S	Bridge Course for MSc first Year Botany
2	Tinu Thomas	Bridge Course for BSc first Year Botany
3	Dr. Binoy T. Thomas	Tutorial Class for First Year BSc. Botany
4	Dr. Deepthi A.S.	Tutorial Class for First Year MSc. Botany
5	Dr. Gokul G. Nair	Tutorial Class for Second Year BSc. Botany
6	Dr. Nisha Joseph	Tutorial Class for final Year BSc. Botany
7	Tinu Thomas	Tutorial Class for First Year BSc. Botany
8	Hima K.S.	Tutorial Class for final Year BSc. Botany
9	Dr. Thomas V. P.	Tutorial Class for Second Year MSc. Botany

e. Does the department employ any innovations in teaching and evaluation methods?

Yes

Yes

No

If yes, give details of the innovative methods employed this year.

Phycoscrapper- An instrument for collecting micro algae from a tree

f. Does the department conduct Student Teacher evaluation?

Yes

No

If yes mention the measures taken on the basis of the evaluation.

g. How many class rooms have smart boards? One

h. How many teachers attended seminar/ workshop/ conference/ refresher courses / FDP etc. during (Use separate sheet if necessary)

Sl.	Name of the	Title of the seminar/	Duration	Whether	
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No	faculty	workshop/ conference etc.	From	To	international/ national/ state/regional	Organizing agency
1.	Dr. Deepthi A S	Basic AI Tools -Hands-on Training	7 th February 2024	14 th February 2024	National level	IGNITE Life Skill Academy, Sacred Heart College Thevara
2.	Dr. Deepthi A S	Work shop on syllabus revision of FYUGP in Botany	13 th November 2023	17 th November 2023	State level	Mahatma Gandhi University, Kottayam
3.	Dr. Gokul G Nair	Work shop on syllabus revision of FYUGP in Botany	13 th November 2023	17 th November 2023	State level	Mahatma Gandhi University, Kottayam
4.	Dr. Gokul G Nair	Online Inter-Disciplinary two-week Refresher Course in “Managing Online Classes & Co- creating MOOCS”	7 th January 2024	21 st January 2024	National	Ramanujan College, New Delhi
5.	Dr. Nisha Joseph	Online Inter-Disciplinary two-week Refresher Course in “Managing Online Classes & Co- creating MOOCS”	7 th January 2024	21 st January 2024	National	Ramanujan College, New Delhi
6.	Dr. Nisha Joseph	Academic Horizons: The AI Integration conducted from 08 - 15 December 2023	8 th December 2023	15 th December 2023	State level	St. Therasas College, Catholicate College, Pavanatma College, KE College& Lore&Ed Research Associates
7.	Tinu Thomas	‘Evaluating the prospects of Biology’.	2nd November 2023	2nd November 2023	International seminar	PG & Research Department of Botany, Carmel College

						(Autonomous), Mala, Thrissur
8.	Tinu Thomas	'Biodiversity conservation and sustainable development'.	7th December 2023	7th December 2023	National seminar	PG & Research Department of Botany, Carmel College (Autonomous), Mala, Thrissur on

- i. Give details of faculty members, if any, who are selected as resource persons for seminar/workshop/conference/refresher courses etc. during? (Use separate sheet if necessary)

Sl. No	Name of faculty	Title of the seminar/workshop/conference	Duration		Whether international/national/state/regional	Organizing agency
			From	To		
1	Dr. Thomas VP	International Seminar on 'Plant Systematics: Present Status and Future Prospects'	15 February 2024	17 February 2024	International	University of Calicut
2	Dr. Thomas VP	BioInsight Webinar Series: Exploring the Wonders of Life Science'	30 January 2024	05 February 2024	Regional	St. Thomas College, Palai

- j. List the student centric learning methods adopted in the department.
Field visits, Industry visits, Preparation of Museum and herbarium, Online student seminars, group discussions, Various Online competitions like quiz, poster making, peer group power point presentations and project presentations.
- k. Give details of Continuous Internal Evaluation process
Morning test paper series, Internal examinations, Assignments, seminars



- l. What are the ICT facilities available in the Department?
Projector, Smart board, E-books, video lectures and PowerPoint presentations
- m. Total teachers using ICT facilities: 8
- n. Any other relevant information the department wishes to add.
- o. List the specialized labs in the Department.

Phycotechnology lab, Plant tissue culture lab, Mushroom cultivation lab, Cath Herbarium
- p. Do you have a Departmental library : yes

No. of Books: 1400
- q. What mechanism is followed or PO / CO evaluation in the Department:

Please attach an example

Research



- a. Does the department have publications out of the work done within the department during the current academic year? Yes

 Yes No

If yes furnish the following.

Sl. No	Name of faculty	Title of the paper	Title of the Journal and year of publishing	Citation index and impact factor of the journal, if available
1.	Dr. Binoy T Thomas	The real hues of Red Rain-Kerala, India.	Aerobiologia 2024	2.4
2.	Dr. Binoy T Thomas	Phytochemistry and pharmacology of selected species of smilax L. (Smilacaceae) in India	Ancient Science of Life 2024	
3.	Dr. Binoy T Thomas	<i>Oedocladium sahyadricum</i> (Chlorophyceae), a new species from Western Ghats, India	Taiwania 2024	0.92
4	Dr. Deepthi AS	Antigenotoxic potential of the aqueous basidiocarp extracts of <i>Calocybe indica</i> .	Current Botany 2024	
5.	Dr. Deepthi AS	Characterization of <i>Aristolochia indica</i> L.: A Comprehensive Study on Pharmacognostic and Phytochemical Aspects	Innovations in Biological Science 2024 Book chapter	
6	Dr. Nisha Joseph	In Vitro Alpha Amylase Inhibitory Effect of Selected Medicinal Plants	The International Journal of Pharmaceutical Research and Allied Sciences (IJPRAS). 2023	



7	Dr. Nisha Joseph	Antigenotoxic potential of the aqueous basidiocarp extracts of <i>Calocybe indica</i> .	Current Botany 2024	
8	Dr. Nisha joseph	Characterization of <i>Aristolochia indica</i> L.: A Comprehensive Study on Pharmacognostic and Phytochemical Aspects	Innovations in Biological Science 2024 Book chapter	
9	Dr. Thomas VP	The real hues of Red Rain-Kerala, India.	Aerobiologia 2024	2.4
10	Dr. Thomas VP	Phytochemistry and pharmacology of selected species of smilax L. (Smilacaceae) in India	Ancient Science of Life 2024	
11	Dr. Thomas VP	<i>Oedocladium sahyadricum</i> (Chlorophyceae), a new species from Western Ghats, India	Taiwania 2024	0.92

b. Give details of the publication by faculty, if any.

Sl. No	Name of faculty	Title of the paper/book	Title of the Journal / book and year of publishing	Citation index and impact factor of the journal, if available
1.	Jisha Daniel	<i>Biophytum veldkampii</i> – A new record for Tamil Nadu state of India	Indian Journal of Forestry 2023	

c. Is the department recognized as a research department? Yes

Yes

No

If yes give the number of research scholars joined this year. Nil



- d. How many teachers are recognized research guides of MG University? 3
- e. How many teachers have PhD's ? 6
- f. Did the department produce any Ph. D during the last two years? (*For research departments only*) No

Yes

No

If yes furnish the following

Sl. No	Name of the Research scholar	Name of the guide	Title of the thesis	Year of awarding

- g. Does the department have any running major research project? No

Yes

No

If yes furnish the following.

Sl. No	Name of the principal investigator	Duration		Title of the project	Funding agency
		from	To		

- h. Does the department have any running minor research project? No

Yes

No

If yes furnish the following.

Sl. No	Name of the Principal investigator	Duration		Title of the project	Funding agency
		from	To		

- i. Did the department receive any assistance from Government or Non governmental agencies during the academic year? yes



Yes

No

Sl. No	Title of the program	Duration		Funding agency	Amount allocated
		from	to		
1.	Medicinal Garden	2/5/24		State Medicinal plant Board	Rs 50,000

j. Did the department submit any new proposal for project, seminar etc. to funding agencies during the academic year? yes

Yes

No

If yes give details

Project proposals submitted to KSCSTE, SERB-SURE

k. Did the department conduct seminar/workshop/conference/ programmes etc. during the academic year? yes

Yes

No

If yes furnish the following

Sl. No	Title of the seminar/ workshop/ conference etc.	Duration		Whether international/ national/ state/regional	Funding Agency if any
		From	To		
1,	A popular science lecture on Seaweed associated heterotrophic bacteria as novel sources of pharmacological agents.	19 th January 2024.	19 th January 2024.	National	Indian Women Scientists Association, Navi Mumbai
2.	International lecture by Dr. Viswambharan Sarasan from the Royal Botanic Garden, Kew on Native orchid conservation and connecting people with nature	29 th January 2024		International	

l. How many student projects are executed on social issues?

m. Any other relevant information the department wishes to add.

Consultancy and extension

- a. Did the department sign any MoU with industry or any other agency? Yes

 Yes No

If yes give details.

1. Royal Botanical Garden, Kew (International collaboration)
2. Medicinal Plants Board (*SMPB*) Kerala
3. Kerala Biodiversity Board
4. Ecological Commission, MOSC

- b. Does the department conduct consultancy services? Yes

Yes

No

If yes give details

Plant identification

Project guidance for IGNOU course (MSc Environmental Science)

- c. Does the department provide job-oriented / career counselling training for students? yes

 Yes No

If yes give details

- Talk by Mr. Kiran Kumar, Director Life science Academy, Kannur on Fascinating world of Biological sciences
- Talk on Modern fish culture techniques
- Mushroom cultivation training
- Talk on Small scale industries 10.11.2023-resource person was David K. Daniel (Professor, Chemical Engineering, Amal Jyothi College of Engineering).

- d. Does the department arrange placement for students?

 Yes No

If yes give details

- e. Does the department conduct/coordinate any kind of extension activities? yes

 Yes No

If yes give details.

- Post graduate and Research Department of Botany, in association with Haritha Sena of Nethaji Higher secondary school Pramadam organized '*Gruha chaithanyam Project*'
- Science Innovation programme at Metropolitan Higher secondary School, Puthenkavu

- f. How many teachers attended the Malavya Mission training on NEP ?

- g. Any other relevant information the department wishes to add.

**Extracurricular activities**

- a. Does the department students participate in the interdepartmental sports/ cultural contests? yes

 Yes No

If yes give details

Inter departmental Quiz competitions

- b. Mention achievements if any, of the students that come under the department.

Student Achievements

Sl. No	Name of the student	Class	Achievement
	Best students of the year		
1	Bhadra Krishnakumar Nair	D2	1.First prize - Wildlife Quiz - Department of Botany, Bishop Moore College Mavelikkara (Oct 5 2023) 2.First prize - Pratheeksha Quiz - Excise Department (Dec 8 2023) 3.First prize - IAS hub Quiz - Department of English, Catholicate College (Oct 17 2023) 4.Fourth prize in State Level - Kerala Legislative Assembly International Book Festival Quiz - Kerala Legislative Assembly (Nov 5 2023) 5.First prize - Ayappa Panikker Memorial Literary Quiz Ever-rolling Trophy - NSS College Pandalam (Jan 5 2024) 6.Second prize - Dr A P Mani Memorial Botany Quiz - Baselius College Kottayam (Jan 12 2024) 7.Second prize - Agarosh Quiz - Department of Microbiology,SB College Changanassery (Jan 18 2024) 8.Third prize - College Arts Fest : Quiz 9.Third prize - College Arts Fest : English Essay Writing.
2	Adarsh J.	II MSc	Secured 1st prize in District Level conducted on 30th January 2024 and 3rd prize in state level conducted on 12th January 2024 (Group), of LUCA GSFK Evolution Quiz, organised as part of the Global Science Festival Kerala, Thiruvananthapuram and won LUCA DARWIN MEDAL 2024 ●Secured 1st prize in quiz competition (Group) held during Zrishti All Kerala Science Fest held on 8th January 2024 by Department of Zoology, St Berchmans College, Changanassery ●Secured 1st prize in QUIZZARD 2024 held on 18th



			<p>January 2024 organized by the Department of Microbiology and Biochemistry, St Berchmans College, Changanacherry, as part of AgaRosh 2k24 Biofest</p> <ul style="list-style-type: none"> ●Secured 1st prize in freedom quiz competition (Group) conducted by Department of History, Catholicate college, Pathanamthitta ●Secured 2nd prize in Prof. K.A. Thomas Memorial All Kerala Inter Collegiate Quiz Competition (Group) held on 9 March 2023 ●Secured 2nd prize in Malayalam essay writing competition in Arts fest, Jwala 22, held on 24th and 25th March 2022, in N.S.S College, Pandalam ●Secured 5th place in the All Kerala Intercollegiate Botany quiz competition (Group) as part of Prof. B.K. Nayar Endowment Award on 17th January 2023 conducted at the Department of Botany, University of Calicut <p>Secured 3rd prize for English Essay Writing in college Arts Fest</p>
3.	Aishwarya N Murali	D3	<p>Participated In March past of Independence day on August 15 2023 conducted in Pathanamthitta Stadium as Platoon Commander of Team Kerala Youth Force and received Trophy for Best Performance from Former Collector Dr Divya IAS.</p>
	JRF/Net Holders		
3	Amritha		Secured JRF in CSIR examination December 2023
4	Greeshma G. Nair		Secured JRF in CSIR examination December 2023
5	Sreelekshmi A. L.		Secured JRF in CSIR examination December 2023
6	Nimisha Anna Issac		Secured JRF in ICAR examination June 2023
	Rank Holders		
7	Ashly K Mathew	I MSC	8 th Rank in BSc Degree Examination of Mahatma Gandhi University March 2023
8	Jomol S Jose	I MSC	9 th Rank in BSc Degree Examination of Mahatma Gandhi University March 2023

9	Nidhina Krishnan TT		8 th Rank in MSc Degree Examination of Mahatma Gandhi University March 2023
10	Anusree T		10 th Rank in MSc Degree Examination of Mahatma Gandhi University March 2023
	Paper presentation and publication		
11	Merin Grace Jiji	Research Scholar	
12	Merin Ann Ninan	Research Scholar	
13	Gopika Gopan	Research Scholar	
14	Neethu Uthaman	Research Scholar	
15	Saira Sara Babu	Research Scholar	
16	Robert Raju	Research Scholar	
17	Athira R Mohan	Research Scholar	

c. Mention the student association activities if any, during the academic year

- Environment day celebrations and Haritha Sabha (June 2, 2023)
- An Alumnus A Book
- Gruha chaithanyam Project in association with Haritha Sena of Nethaji Higher secondary school Pramadam
- Onathinu oru muram pachakari (3.7.23) in association with Catholicate College NSS developed kitchen garden at Lackoor Government LP School.
- Talk with alumni IX -Monthly lecture series
- International Mango Day observance on 26.7.23
- Meet the student scholar (4.08.2023)
- Celebration of International Year of Millets (11.8.23)
- World Bamboo day Observance (18.9.23)
- Celebration of Innovation week from 4th October to 11th October 2023.
- Dr. V.J Dominic Endowment M.Sc. dissertation competition in association with Kerala Botanical Society organized on 14th October 2023
- celebrates Innovation week from 16th October to 22nd October 2023
- Talk on Small scale industries 10.11.2023-resource person was David K. Daniel (Professor, Chemical Engineering, Amal Jyothi College of Engineering).
- Science Innovation programme 27.11.23- As part of the Science Innovation programme, Post graduate and Research Department of Botany, Catholicate College, Pathanamthitta organized science exhibition in Marthoma Higher Secondary School Puthencavu on 27.11.2023
- Alumni meet-Oasis-2023 on 9th December 2023
- Fast and Feast December 2023: distributed personal care items for hygiene to an old age home at Shanthisadanam

- A popular science lecture in association with Indian women Scientists association on 19th January 2024. The topic for the talk was Seaweed associated heterotrophic bacteria as novel sources of pharmacological agents.
- The botanical garden cleaning and planting of ornamental plants was arranged on 19th January 2024.
- International Lecture: On 29th January 2024, an international lecture was organized in the Post Graduate and Research department of Botany, Catholocate College, Pathanamthitta in association with Dr. EK Janaki Ammal Chair and IQAC. Dr. Viswambharan Sarasan from the Royal Botanic Garden, Kew lead the session on Native orchid conservation and connecting people with nature.
- Orchid planting in the Botanical garden on 27.02.24
- National Science Day observance 2024
- The erudite talk in collaboration with University of Mostar, Bosnia
- Merit day celebration

d. Mention the performance of students in the sports activities during the academic year.

Sl No	Name	Class	Achievements
1	Adith Vijay	D3	Prize winners of Inter collegiate & Inter university Soft ball and Base Ball competitions
2	Alphy M Binu	D3	Prize winners of Inter collegiate & Inter university Soft ball and Base Ball competitions
3	Monish Mohan	D1	Prize winners of Inter collegiate & Inter university Soft ball and Base Ball competitions
4	Maneesh M.	D3	Silver Medal in M G University intercollegiate Fencing Foil Team Championship.
5	Sabhitha M.	D3	Secured First prize in 4× 100m relay (senior girls) in District level Keralotsavam conducted by Kerala State Youth Welfare Board

- e. How many Interdepartmental competitions are organized by the department
All Kerala M.Sc Botany dissertation competition in association with Kerala Botanical Society
- f. What is the role of the Department with the Innovation center of the institution?
Innovation week
Space week
- g. Any other relevant information the department wishes to add.

Governance and Practices

a Are any members of the department involved in the administrative/club/committee activities of the college? yes

 Yes

 No

If yes furnish the following (use separate sheet if necessary)

Sl. No.	Name	Activity to which associated
1.	Dr. Binoy T Thomas	College Bursar, Department Head
2.	Dr. Deepthi AS	Senior Assistant Superintendent of University examination
3.	Dr. Gokul G Nair	Programme officer of NSS
4.	Dr. Nisha Joseph	Teacher in Charge for Botany Association, certifying officer for CSIR fellowship at institution level, committee member for internal examination and continuous evaluation, presiding officer at class level for college union election
5.	Tinu Thomas	Remedial classes, St basil association Social service league, Counseling cell, Library promotion council
6.	Hima KS	Curiosity Council, IEDC, IIC
7.	Dr. Thomas VP	PTA Secretary

a. Describe the measures taken for maintaining the cleanliness of staff room, classrooms, labs, museums etc.

- Installation of Biowaste bin
- Orchid planting in the Botanical garden on 27.02.24
- Students, non teaching staff and teachers of the department engaged in cleanliness of staff room, classrooms, labs, museums and botanical garden



b. Does the department maintain proper documentation of data? yes

Yes

No

c. Does the department has any collaborations with other institutions for staff or student exchange programme ? yes

Yes

No

If yes give details

Bhaskaracharya College of Applied Sciences, New Delhi

d. Does the department conduct student Mentoring / Counseling? yes

Yes

No

If yes give details

e. Mention the measures if any, taken by the department for personality development/ soft skills of the students

f. How many students are involved in the activities of the Innovation centre ? 14

g. Do you perform PBAS

h. What is the grievance redressal mechanism in the department ?

Department level grievance redressal cell is functioning for addressing complaints if any from students. A complaint box is kept in the department for receiving grievances from students. Department mail ID is provided for online communications.

i. What are the green initiatives of the department ?

Harithapunarjeni Prohramme-Planting of rare plants, QR code labelling of plants etc

j. How many departmental staff meetings were held during the assessment period? 29

k. **Mention one best practice of the department**

Nurturing the Alumni- Students Relationship

l. What are the future plans of the Department?

Implementing National Education Policy (NEP) related programs in the department and its research center involves strategic planning and collaboration. To strengthen the research and product development MoUs were signed with different institutions. Implement an OBE system where program outcomes and course outcomes are systematically monitored and assessed. This ensures that students acquire the desired skills and knowledge.



1. **To provide teaching, learning support** for the benefit of advanced and average learners. Excellent support will be provided to Research scholars for the better scientific output.
2. **Student support centre:** To ensure equity and inclusion, special and remedial classes, Guidance and training will be given to slow learners. This will equity and inclusion so that all students can thrive in the education system as envisaged in NEP 2020.
3. **Student Engagement:**

Certificate Courses: Offer certificate courses on emerging topics like Nanoscience. Students can accumulate credits through these courses in the Academic Bank of Credit system.
4. **Establishment of Co-incubation centre for R and D:** Assistance will be given to students, research scholars and teachers for developing proto types and products for the benefit of society. Also intended to initiate startup ecosystem in the campus. R & D support will also be given for patent filing.
 - **Start-Up Incubation Centers:** Establish incubation centers within the college or research center. These centers can support student and faculty-led startups, fostering innovation and entrepreneurship.
 - **Technology Development Centers:** Create centers focused on technology development and research in frontier areas. Encourage collaboration between industry and academia.
 - **Industry-Academic Linkages:** Strengthen ties with industries and businesses. Collaborate on research projects, internships, and skill development programs.
5. **Establishment of training centers** for plant tissue culture, nursery management, Floriculture, mushroom cultivation. Students and socially backward people of nearby areas will be benefitted and help them to uplift their economic status.
6. **Instrumentation Training-** herbarium techniques and instrumentation workshop will be given to PG, Research students and Lab assistants from different colleges.
7. **Faculty Development:**



Master Trainers: Identify faculty members as master trainers who can guide others in implementing NEP-related changes. These trainers can participate in policy formulation and execution at the university level.

Training Programs: Organize workshops and training sessions for faculty on NEP principles, innovative teaching methods, and research-oriented approaches.

- m. Give two strengths of the Department
Innovation Ecosystems and Research Collaboration for Translation of ideas
- n. Give two weakness of the Department
Weak industry connections, In adequate field experiences
- o. Any other relevant information the department wishes to add. (List)

Signature:

Head of the Department:

Seal :

**CATHOLICATE COLLEGE
PATHANAMTHITTA**

**ACADEMIC ADMINISTRATIVE AUDIT
FOR DEPARTMENTS**

**AUDIT DATA SOURCE
2023 - 24**



Name of the Department: Mathematics

**BASIC PROFOMA ABOUT THE DEPARTMENT**

Name of the Department : PG & Research Department of Mathematics

Total Teaching staff members : 8[6 full time +1 part-time (maths) +1(Statistics)]

Total Permanent Teaching staff members : 6+1(Statistics)

Programmes offered : B.Sc. Mathematics
M.Sc. Mathematics
Ph.D. in Mathematics

Total Teachers with PhD : 3 (2+1)

Average teaching experience of Teachers : Dr. Susha D-28 years, Dr. Beena Koshy-13 years, Manju John – 13 years, Deepa Susan Oommen- 11 years, Tessymol Abraham-10 years, Saira Kurian- 3 years, Dr. Dais George- 23 years)

Total Non-teaching Staff members :-

Total students during 2023-24

Courses	Male	Female	Total
B.Sc. Mathematics	23	65	88
M.Sc. Mathematics	2	28	30
Ph.D. in Mathematics	1	9	10

AUDIT RESPONSE



Curricular Aspects.

- a. Number of value added / Add on certificate courses offered: Nil

- b. Total teachers in various bodies of university
 - BOS. - 1
 - Academic Council. - Nil
 - Examination committees. - 1

- c. Is there a departmental mechanism for feedback on curriculum and its analysis? No

- d. Methods employed for curriculum delivery
 - Lectures, Interactive teaching, Technology enhanced learning, Problem based learning, Workshops

- e. Do you prepare a teaching plan : Yes

- f. Name one unique Student centric activity of the Department:
 - One to Many Many to One Student Talk Series** designed to foster a culture of self-learning and encourage research while making mathematics an enjoyable subject. These sessions provide a platform for students to present on various mathematical topics, ranging from fundamental concepts to advanced theories, encouraging them to develop deeper into areas of personal interest

Teaching learning Evaluation

- a. Furnish the pass percentage for degree main 2023-24 year batch and PG 2022-23 Year batch.

% pass

Postgraduate course : 63.16%

Name	Rank
Sreelekshmi R	7
Akhila M.P	9



Degree : 76.47

Name	Rank
Bhavana Biju Pillai	2
Jayalakshmi J	3

Total number of students appeared for the University examination

BSc Mathematics – 34

MSc Mathematics - 19

b. Please furnish details of result analysis

If yes furnish the following for degreebatch and PG batch

a. Class average % marks in entry level = UG- 90.6, PG- 81.8

b. Class average % marks in exit level = UG – 73, PG- 84.57

c. Did the department design any curricula this year? Certificate Courses? No

Yes

No

If yes, give details

d. Does the department provide Remedial / Bridge / Tutorial classes?

Yes

No

If yes furnish the following

Sl. No.	Name of the teacher	Class for which Rem. /Bridge teaching was arranged
1	Saira Kurian	Bridge Course for D1 Mathematics
2	Dr Beena Koshy	Bridge Course for D1 Physics
3	Deepa Susan Oommen	Bridge Course for D1 Chemistry
4	Dr. Susha D, Dr Beena Koshy,	Remedial Classes for D2 & D3

	Manju John, Deepa Susan Oommen, Saira Kurian, Tessymol Abraham, Dais George	
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e. Does the department employ any innovations in teaching and evaluation methods?

Yes No

If yes, give details of the innovative methods employed this year.

Problem Based Learning, Project Based Learning, Collaborative Learning

f. Does the department conduct Student Teacher evaluation? No

Yes No

If yes mention the measures taken on the basis of the evaluation.

g. How many class rooms have smart boards-2

h. How many teachers attended seminar/ workshop/ conference/ refresher courses / FDP etc. during 2023-24. (Use separate sheet if necessary)

Sl. No	Name of the faculty	Title of the seminar/ workshop/ conference etc.	Duration		Whether international/ national/ state/regional	Organizing agency
			From	To		
1	Deepa Susan Oommen	Algebra, Graph Theory and Applications	16/5/2024	17/5/2024	National	SD College Kanjirappally (Sponsored by DST, KSCSTE)
2	Dr. Beena Koshy	Recent Research areas in Graph Theory	24/05/2024		International	Department of mathematics, Central University of Kerala
3	Saira Kurian	Workshop on FYUGP Syllabus Reframing	27/11/2023	2/1/2023	Regional	MG University, Kottayam



4	Manju John	Workshop on FYUGP Syllabus Reframing	27/11 /2023	2/1/2 023	Regional	MG University, Kottayam
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- i. Give details of faculty members, if any, who are selected as resource persons for seminar/workshop/conference/refresher courses etc. during? (Use separate sheet if necessary): Nil

Sl. No	Name of faculty	Title of the seminar/ workshop/ conference	Duration		Whether international/ national/ state/regional	Organizing agency
			From	To		

- j. List the student centric learning methods adopted in the department: **Problem Based Learning, Group test**
- k. Give details of Continuous Internal Evaluation process; **Assignments, Projects, Internal exams and model exams for each semester**
- l. What are the ICT facilities available in the Department: **LCD Projector, Smart Classroom, Video Lecture, Smart Board, Computer with Wi-Fi facility**
- m. Total teachers using ICT facilities: **8**
- n. Any other relevant information the department wishes to add.
- o. List the specialized labs in the Department : **Computer Lab**
- p. Do you have a Departmental library :**Yes**
No. of Books : 2415
- q. What mechanism is followed or PO / CO evaluation in the Department:

Followed Institutional Common Methodology

Research



- a. Does the department have publications out of the work done within the department during the current academic year?

Yes

If yes furnish the following.

Sl. No	Name of faculty	Title of the paper	Title of the Journal and year of publishing	Citation index and impact factor of the journal, if available
1	Ann Susa Thomas	Spectrum of Corona products based on splitting graphs	Discrete Mathematics, Algorithms and Applications, 2023	1.2
2	R. Sarannya	n-Cylindrical Fuzzy Neutrosophic Topological Space	Journal of Fuzzy Extension and Applications, 2023	

- b. Give details of the publication by faculty, if any.

Sl. No	Name of faculty	Title of the paper/book	Title of the Journal / book and year of publishing	Citation index and impact factor of the journal, if available
1	Dais George	Kumaraswamy Esscher Transformed Laplace Distribution: Properties, Application and Extensions	Pakistan Journal of Statistics and Operation Research	
2	Dais George	Reliability test plan for the Poisson-power Lindley distribution	Reliability: Theory & Applications	
3	Dais George	Poisson-Exponentiated Weibull Distribution: Properties, Applications and Extension	Applications & Applied Mathematics	
4	Dais George	A New Class of Pareto Distribution: Estimation and its	Applications & Applied Mathematics	



		Applications.		
5	Dais George	Exponentiated Discrete Hypo Exponential Distribution and its Generalizations	Reliability: Theory & Applications	
6	Dais George	On the Robustness of Right Truncated Esscher Transformed Laplace Distribution	Appl. Math	

c. Is the department recognized as a research department?

Yes

If yes give the number of research scholars joined this year. Nil

d. How many teachers are recognized research guides of MG University: **03**

e. How many teachers have PhD's : **03**

f. Did the department produce any Ph. D during the last two years? (*For research departments only*)

No

If yes furnish the following

Sl. No	Name of the Research scholar	Name of the guide	Title of the thesis	Year of awarding

g. Does the department have any running major research project?

No

If yes furnish the following.

Sl. No	Name of the principal investigator	Duration		Title of the project	Funding agency
		from	To		



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h. Does the department have any running minor research project?

No

If yes furnish the following.

Sl. No	Name of the Principal investigator	Duration		Title of the project	Funding agency
		from	To		

i. Did the department receive any assistance from Government or Non governmental agencies during the academic year?

No

Sl. No	Title of the program	Duration		Funding agency	Amount allocated
		from	to		

j. Did the department submit any new proposal for project, seminar etc. to funding agencies during the academic year?

No

If yes give details

k. Did the department conduct seminar/workshop/conference/ programmes etc. during the academic year?

Yes

If yes furnish the following

Sl.	Title of the seminar/	Duration	Whether	



No	workshop/ conference etc.	From	To	international/ national/ state/regional	Funding Agency if any
1	Workshop on LaTeX	17-02-2024	18-02-2024	Regional	Nil

- l. How many student projects are executed on social issues ?
- m. Any other relevant information the department wishes to add.

Consultancy and extension

- a. Did the department sign any MoU with industry or any other agency?
 Yes No ✓
If yes give details.
- b. Does the department conduct consultancy services?
 Yes No ✓
If yes give details
- c. Does the department provide job-oriented / career counselling training for students?
 Yes ✓ No
If yes give details

Career Guidance Session by Sri. Anish George, Senior Business Associate, LIC of India on February 16, 2024

- d. Does the department arrange placement for students?
 Yes No ✓
If yes give details
- e. Does the department conduct/coordinate any kind of extension activities?
 Yes ✓ No
If yes give details.
All Kerala Mathematics Talent Search Quiz Competition for higher Secondary Students
- f. How many teachers attended the Malavya Mission training on NEP ?0

- g. Any other relevant information the department wishes to add.

Extracurricular activities

- a. Does the department students participate in the interdepartmental sports/ cultural contests?

 Yes

 No

If yes give details

SI No:	Name of the Student	Class	Event
	Lakshmi Rajesh	II BSc Mathematics	Light Music (2 nd)
	Archana Jayakumar, Gouri Krishna, Amalu Suja Manoj, Devika Prasad, Nayanalekshmi A, Varsha Renganath Panicker, Ananya A Nair, Devanandana T	II BSc Mathematics I BSc Mathematics	Thiruvathira (1 st)
	A R Vaisakh Jince Roy	I BSc Mathematics	Cricket Tournament
	Gouri Krishna	II BSc Mathematics	Essay Writing Hindi (3 rd)
	Parvathy A Nair	I BSc Mathematics	Classical Music Vocal (Female)
	Amina Jasmin S	III BSc Mathematics	Oppana
	Sona Suresh	I MSc Mathematics	Keralanadanam, Mohiniyattam, Bharatanatyamsch

- b. Mention achievements if any, of the students that come under the department.

SI No:	Position / Grade	Name of the Student	Class	Event
	Participation	Krishnandhu B	II BSc Mathematics	Army attachment Camp at Pangode Military Station
	Second	Don Sam Mathew	III BSc Mathematics	Intercollegiate Fencing (M) Epee Team
	A Grade	Anson Daniel	III BSc Mathematics	Mime at MG University Youth Festival
	Third	Rasil Biju	I BSc Mathematics	Intercollegiate Chess (M)
	Second	Aleena Ann Biby, Amritha T Bhavia S Gayathri J	III BSc Mathematics I MSc Mathematics II MSc Mathematics	Intercollegiate Chess(W)
	Second	Bavana Biju Pillai Jayalakshmi J	III BSc Mathematics	All Kerala Intercollegiate Quiz Competition



	A	Amina Jasmin S	III BSc Mathematics	Oppana at MG University Youth Festival
	A	Sona Suresh	I MSc Mathematics	Keralanadanam at MG University Youth Festival
	A	Sona Suresh	I MSc Mathematics	Mohiniyattam at MG University Youth Festival
	A	Sona Suresh	I MSc Mathematics	Bharatanatyam at MG University Youth Festival
	First	Abhijith M	III BSc Mathematics	Elocution competition by Musaliar College of Engg. & Technology, Pathanamthitta and Motor Vehicle Department, Pathanamthitta

- Aleena Ann Biby of III BSc Mathematics got selected in the University Chess Team for Inter University Chess Tournament (State level Competition)
- Aaron Cepha John was selected to participate in the 75th Republic Day Camp at Delhi 2024

c. Mention the student association activities if any, during the academic year:

Important days Observations and Celebrations,

d. Mention the performance of students in the sports activities during the academic year.

Sl No:	Position / Grade	Name of the Student	Class	Event
	Second	Don Sam Mathew	III BSc Mathematics	Intercollegiate Fencing (M) Epee Team
	Third	Rasil Biju	I BSc Mathematics	Intercollegiate Chess (M)
	Second	Aleena Ann Biby, Amritha T	III BSc Mathematics	Intercollegiate Chess(W)

- Aleena Ann Biby of III BSc Mathematics got selected in the University Chess Team for Inter University Chess Tournament (State level Competition)
- e. How many Interdepartmental competitions are organized by the department
- f. What is the role of the Department with the Innovation center of the institution
- g. Any other relevant information the department wishes to add.

Governance and Practices

a Are any members of the department involved in the administrative/club/committee activities of the college? **Yes**

 Yes

 No

If yes furnish the following (use separate sheet if necessary)

Sl. No.	Name	Activity to which associated
1	Dr. Susha D.	College Council, IQAC Member, Research Advisory Committee, Consultancy Committee, Library Promotion Council, Timetable Preparation Committee
2	Dr. Beena Koshy	IQAC Member, Admission Committee, Research Advisory Committee, St. Basil Association, UOTCACM, Catholicate College Empl. Co-Operative Bank, KIRF, AISHE, UGC Scholarship Portal Maker,
3	Manju John	Social Service League, Health Club, Library Promotion Council, Bhoomitrasena Club
4	Deepa Susan Oommen	College Council, Anti-Ragging Committee, Career Guidance and Placement Cell, Entrepreneurship Development Club, Open Course Faculty Advisor (Mathematics), PTA Executive Committee Member, Athletics & Sports Promotion Council, MOOC, Media club and Public Relations
5	Tessymol Abraham	Library Promotion Council, KIRF
6	Saira Kurian	Mathematics Department Association, Internal Examinations & Evaluation, Hostel Committee
7	Prof. (Dr.) Dais George	Hostel Committee
8	Nekitha J. Vilavinal	Debate & Quiz Club

a. Describe the measures taken for maintaining the cleanliness of staff room, classrooms, labs, museums etc.

The college management has implemented a comprehensive set of measures to ensure the cleanliness of the staff room, fostering a healthy and pleasant environment for faculty members. Regular cleaning schedules have been established, with professional janitorial staff assigned to sanitize surfaces, vacuum floors, and empty trash bins daily. Periodic deep-cleaning sessions are conducted, and feedback from staff is actively sought to address any specific cleanliness concerns promptly.



b. Does the department maintain proper documentation of data? **Yes**

Yes

No

c. Does the department has any collaborations with other institutions for staff or student exchange programme ? **No**

Yes

No

If yes give details

d. Does the department conduct student Mentoring / Counseling?

Yes

No

If yes give details

e. Mention the measures if any, taken by the department for personality development/ soft skills of the students **No**

f. How many students are involved in the activities of the Innovation centre ?

g. Do you perform PBAS : Yes

h. What is the grievance redressal mechanism in the department ?

i. What are the green initiatives of the department ?

The department aims at promoting sustainability and reducing plastic waste. Faculty members actively encourage students to bring their lunches in reusable steel boxes instead of plastic containers. This initiative not only minimizes plastic waste but also fosters a culture of environmental responsibility among students. The department has issued clear instructions to reduce the use of single-use plastics and encourage the use of reusable water bottles, providing water refill stations, and discouraging the use of plastic bags and straws.

j. How many departmental staff meetings were held during the assessment period?

11 meetings

k. Mention one best practice of the department

The department has initiated a "One to Many, Many to One" Student Talk Series designed to foster a culture of self-learning and encourage research while making mathematics an enjoyable subject. These sessions provide a platform for students to present on various mathematical topics, ranging from fundamental concepts to advanced theories, encouraging them to delve deeper into areas of personal interest. By preparing and delivering these talks, students enhance their research skills and gain confidence in their ability to convey complex ideas effectively. Additionally, the series incorporates interactive elements such as puzzles, games, and real-world problem-solving scenarios to demonstrate the fun and practical applications of mathematics. Through this initiative, the department aims to cultivate a vibrant mathematical community where learning is driven by curiosity and passion.

l. What are the future plans of the Department?



The Mathematics Department is charting an ambitious path forward with several strategic initiatives aimed at enhancing student education and career readiness. Future plans include launching Awareness Programmes on Intellectual Property Rights (IPR) to educate students on the importance of protecting their innovations and research. The department also aims to establish functional Memorandums of Understanding (MoUs) with industry partners and academic institutions to facilitate collaborative projects and internships. To prepare students for academic and professional success, dedicated training sessions will be offered to equip them with the skills necessary for paper presentations and the publication of their projects. Recognizing the importance of technological proficiency, the department plans to provide access to advanced mathematical software, enhancing students' analytical and computational capabilities crucial for their career development. Furthermore, the department intends to initiate a startup programme based on the Earn While You Learn model, encouraging entrepreneurial thinking and providing practical business experience alongside academic learning. These forward-looking initiatives are designed to create a dynamic and supportive environment, fostering innovation, skill development, and professional growth among students.

m. Give two strengths of the Department

The Mathematics Department boasts several strengths that contribute to its reputation for academic excellence and student success. With a team comprising two distinguished professors and three dedicated PhD guides, the department offers robust mentorship and expert instruction across a broad range of mathematical disciplines. The presence of an established research centre further enhances the department's capacity for pioneering research and scholarly contributions, providing both faculty and students with the resources needed to pursue innovative projects.

2. The well-equipped library, stocked with a comprehensive collection of mathematical texts, journals, and digital resources, serves as an invaluable support system for academic inquiry and study. The department's commitment to student-centric programmes ensures a focus on the individual needs and goals of each student, offering personalized guidance, interactive learning opportunities, and a variety of extracurricular activities designed to foster a deep and enduring appreciation for mathematics. These combined strengths create a dynamic and supportive learning environment where students can thrive academically and develop the skills necessary for successful careers.

n. Give two weakness of the Department

1. Financial constraints can severely limit students' access to necessary resources and technology. Without these crucial supports, students may find it difficult to keep up with coursework and fully engage with the material, further widening the achievement gap and impacting their overall academic success.

2. The absence of strong partnerships with industry and other academic institutions means students miss out on valuable opportunities for internships, practical training, and real-world application of their skills.

o. Any other relevant information the department wishes to add. (List)

Signature:

Head of the Department:

Seal :

**CATHOLICATE COLLEGE
PATHANAMTHITTA**

**ACADEMIC ADMINISTRATIVE AUDIT
FOR DEPARTMENTS**

**AUDIT DATA SOURCE
2023 - 24**



**Name of the Department: POST GRADUATE AND RESEARCH
DEPARTMENT OF PHYSICS**



BASIC PROFOMA ABOUT THE DEPARTMENT

Name of the Department : PHYSICS

Total Teaching staff members :13

Total Permanent Teaching staff members :13

Programmes offered :BSc. PHYSICS [HONORS]
BSc. PHYSICS
MSc. PHYSICS [ELECTRONICS]
MSc. PHYSICS [MATERIALSCIENCE]

Total Teachers with PhD :09

Average teaching experience of Teachers :04

Total Non-teaching Staff members :02 [1-MECHANIC AND 1 LAB ASSISTANT]

Total students during 2023-24

Courses	Male	Female	Total
I BSc Physics	11	18	29
II BSc Physics	8	15	23
III BSc Physics	22	22	44
I MSc Physics	1	10	11
II MSc Physics	1	8	9
I MSc Physics(Material Science)	5	5	10
II MSc Physics (Material Science)	5	5	10



AUDIT RESPONSE

Curricular Aspects.

- a. Number of value added / Add on certificate courses offered: 3
Computer Fundamentals and Software, Certificate course on Python for data science, Certificate course on Entrepreneurship in LED lighting Business
- b. Total teachers in various bodies of university
BOS - Nil
Academic Council - Nil
Examination committees –
External Examination Committee – Jini K Jose, Sibi Chandran
External Examination Committee – Dr. Raji Koshi
- c. Is there a departmental mechanism for feedback on curriculum and its analysis?
Yes, the department follows a department level feedback mechanism of assessing the performance of each faculty member by the students.
- d. Methods employed for curriculum delivery
Classroom teaching, Interactive lectures, Flipped Classroom method, Peer teaching, Group projects, Reverse teaching, experiential method (hands on lab experiments and simulations)
- e. Do you prepare a teaching plan
Yes, every teaching faculty of the department prepares a detailed teaching plan before the academic year starts.
- f. Name one unique Student centric activity of the Department:
Interactive learning of students with faculties/scientists of International and National organizations



Teaching learning Evaluation

a. Furnish the pass percentage for degree main 2023-24 batch, , and PG 2022-23 batch.

% pass

Postgraduate course (2022-23) :

MSc Physics (Electronics) 70%

Name	Rank
Aswini Mariam Vinod	3 rd
Johyna Els Thomas	8 th

MSc Physics (Material Science) 78%

Name	Rank
Anju Elizabeth Yohannan	1 st
Annie M Shaji	2 nd
Asiya Shafeek	3 rd

Degree : BSc. PHYSICS 2023-24: Pass Percentage 76%

Name	Rank
Yadhavi J S	1 st
Aiswarya ann Sabu	7 th

Total number of students appeared for the University examination

BSc Physics – 44

MSc Physics (Electronics)- 10

b. Please furnish details of result analysis

If yes furnish the following for degreebatch and PG batch

a. Class average % marks in entry level = 88%



b. Class average % marks in exit level = 86%

c. Did the department design any curricula this year? Certificate Courses?

Yes

If yes, give details

1. 30 hours certificate course on Entrepreneurship in LED lighting, Business.
2. Add on Course on Computer technology

d. Does the department provide Remedial / Bridge / Tutorial classes?

Yes

If yes furnish the following

Sl. No.	Name of the teacher	Class for which Rem. /Bridge teaching was arranged
1	Anoop P D	Third BSc Physics
2	Jini K Jose	Second BSc Physics
3	Asitha C Nair	First BSc Physics

e. Does the department employ any innovations in teaching and evaluation methods?

Yes

If yes, give details of the innovative methods employed this year.

In this year's LED bulb making workshop and computer add-on course, innovative methods were introduced to engage students effectively. For the LED bulb making workshop, a hands-on approach was adopted, allowing students to assemble the bulbs themselves under the guidance of experienced instructors. Additionally, interactive sessions were conducted to explain the technical aspects of LED technology in a simple and understandable manner. In the computer add-on course, a blend of traditional lectures and practical exercises was utilized to enhance students' comprehension and retention of computer concepts. Moreover, online resources and tutorials were provided to supplement classroom learning and encourage self-paced exploration. These innovative methods not only made the learning experience enjoyable

and enriching but also empowered students with practical skills that are relevant in today's technological landscape.

f. Does the department conduct Student Teacher evaluation?

No

If yes mention the measures taken on the basis of the evaluation.

g. How many class rooms have smart boards

Three

h. How many teachers attended seminar/ workshop/ conference/ refresher courses / FDP etc. during (Use separate sheet if necessary)

Sl. No	Name of the faculty	Title of the seminar/ workshop/ conference etc.	Duration		Whether international/ national/ state/regional	Organizing agency
			From	To		
1.	Dr. Raneesh B	Advanced Research Methodology	22/05/23	05/06/23	National	TLC, Ramanujan College
		ICAN-2024	22/01/2024	23/02/2024	International	Dept. of Physics, Catholocate college
2.	Dr. George Thomas	Chat GPT& AI tools	14/06/23	21/06/23	National	KSHEC
		AI In Education	29/03/24	04/04/24	National	TLC, Ramanujan College
		ICAN-2024	22/01/2024	23/02/2024	International	Dept. of Physics, Catholocate college



3.	Dr. Anoop P D	Refresher course in Theoretical Physics	15/06 /23	01/07 /23	National	Indian Academy of Sciences
		ICAN-2024	22/01 /2024	23/02 /2024	International	Dept. of Physics, Catholicate college
4.	Dr. Dhanya I	Refresher course in Physics	09/06 /23	23/06 /23	National	TLC, Ramanujan College
		ICAN-2024	22/01 /2024	23/02 /2024	International	Dept. of Physics, Catholicate college
5.	Dr. Krthika S	Internationalization strategies in Indian HE: NEP 2020 Perspective	04/12 /23	10/12 /23	National	KITTS
		ICAN-2024	22/01 /2024	23/02 /2024	International	Dept. of Physics, Catholicate college
6,	Dr. Achamma George	Conference on Advanced Functional materials and devices	26/02 /2024	29/02 /2024	International	NRC, SRM institute of Science and Technology
		Experiment with ExpEYES- A portable Science Laboratory	08/11 /2023	09/11 /2023	National	St. Thomas College, Kozhencher y
		Syllabus	13/11	17/11	State Level	M G



		Formulation: FYUGP	/2023	/2023		University
		ICAN-2024	22/01 /2024	23/02 /2024	International	Dept. of Physics, Catholocate college
7.	Sajith Babu S	ICAN-2024	22/01 /2024	23/02 /2024	International	Dept. of Physics, Catholocate college
8.	Dr. Soosen Samuel	ICAN-2024	22/01 /2024	23/02 /2024	International	Dept. of Physics, Catholocate college
9.	Dr. Raji Koshy	ICAN-2024	22/01 /2024	23/02 /2024	International	Dept. of Physics, Catholocate college
10.	Sibi Chandran C S	ICAN-2024	22/01 /2024	23/02 /2024	International	Dept. of Physics, Catholocate college
11.	Asitha C Nair	ICAN-2024	22/01 /2024	23/02 /2024	International	Dept. of Physics, Catholocate college
12.	Jini K Jose	ICAN-2024	22/01 /2024	23/02 /2024	International	Dept. of Physics, Catholocate college

- i. Give details of faculty members, if any, who are selected as resource persons for seminar/workshop/conference/refresher courses etc. during 2023-2024 (Use separate sheet if necessary)

Sl.	Name of	Title of the seminar/	Duration	Whether	
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No	faculty	workshop/ conference	From	To	international/ national/ state/regional	Organizing agency
1.	Dr. Dhanya I	Science day lecture conducted by Mathematics department, Catholicate College, PTA on “ Life and contribution of C V Raman”	28/02/ 2024	28/02 /2024	regional	department

- j. List the student centric learning methods adopted in the department
No
- k. Give details of Continuous Internal Evaluation process
Two Internal examinations and model examinations are conducted in each semester and all internal marks are kept upto date in internal assessment register. Best of three internal examination marks is counted to prepare A form and B form.
- l. What are the ICT facilities available in the Department
- Smart Board
 - LCD Projector
 - Interactive Board
 - Smart Classrooms
 - E-resources
 - Chat GPT Assistance
 - Video Lecture and Digital E-resources
 - Virtual Lab
 - Computers with internet facilities- Wi-Fi Connectivity
- m. Total teachers using ICT facilities
Thirteen
- n. Any other relevant information the department wishes to add.
- o. List the specialized labs in the Department
1. B.Sc Laboratory
 2. First Year M.Sc Laboratory
 3. Second Year M.Sc General and Electronics Laboratory
 4. Computer Laboratory
 5. Advanced Materials Research Laboratory



6. Material Science Synthesis Laboratory

p. Research Labs- Two numbers 1. Advance materials research lab & Nanoscience research lab

q. Do you have a Departmental library

Yes

No. of Books

1942

r. What mechanism is followed or PO / CO evaluation in the Department:

During the Departmental and College Level Orientation Programmes held at the start of the academic year, students are informed about the POs and PSOs, which aids them in achieving the desired results. Each semester, the individual course instructors provide a clear explanation of the Course Outcomes, which encourages students to focus on and work towards achieving them. It is the duty of the tutors and class teachers to make sure that every student has an equitable understanding of the desired qualities. The key to ensuring the institution's process of improving quality is evaluation of outcome attainment. The End Semester Assessment (ESA) and Internal (CIE) are the primary methodologies used to evaluate the attainment of COs, PSOs, and POs. Internal assessment is a method of ongoing evaluation that takes into account a student's performance in internal tests, seminars, viva, assignments, and attendance. The end-of-semester evaluation is a summative assessment, with grades given following university review. The PSOs show how particular skills can be attained on a micro level. To earn specific points, students are urged to take part in co-curricular and extracurricular activities, NSS, NCC, and enrichment courses. Currently, a ratio of 1:4 for CIE and ESA for UG and 1:3 for PG is used to measure the total course outcome. The number indicates how well the outcome has been attained. The number of students who receive at least 50% of the possible points on their final assessment is used to determine the level of outcome attainment. Corrective measures are suggested and the curriculum delivery method is reevaluated if fewer than 40% of pupils meet the benchmark. PSO accomplishment is determined by taking into account the Weighted Cumulative Average scores that are represented by the grades. 10% of the PO is given to performance in extracurricular and co-curricular activities, and 10% is given to skills as demonstrated by enrollment in programmes or certifications. The remaining 80% represents the PSO attainment scores.

Research

a. Does the department have publications out of the work done within the department during the current academic year?

Yes

✓

No

If yes furnish the following.

b. Give details of the publication by faculty, if any.

Sl. No	Name of faculty	Title of the paper/book	Title of the Journal / book and year of publishing	Citation index and impact factor of the journal, if available
1.	Sajith Babu	Detection of long-range correlation causing multifractality in H time series of geomagnetic field over the Northern Hemisphere during quiet geomagnetic conditions	Advances in Space Research, 2024	IF=2.6
2.	Dr. Raneesh B	Ternary Fiber Mats of PVDF-HFP/Cellulose/LiFe5O8 Nanoparticles with Enhanced Electric, Magnetoelectric, and Antibacterial Properties: A Promising Approach for Magnetic and Electric Field-Responsive Antibacterial Coatings	ACS Applied Polymer Materials, 2024	IF =5
3.	Dr. Raneesh B	Unleashing the potential: Multifunctionality of PVDF-HFP based ternary nanocomposite films - magnetoelectric, energy harvesting and impact sensing performance	Materials Chemistry and Physics, 2024	IF =5 Citation index =1
4.	Dr. George Thomas	Assessment of the potential of green wall on modification of local urban microclimate in humid tropical climate using ENVI-met model,	Ecological Engineering, 2023	IF =3.8 Citation index =17
5.	Sajith Babu	Analysis of Fractal Properties of Horizontal Component of Earth's Magnetic Field of Different Geomagnetic Conditions Using MF DFA.	Advances in Space Research, 2023	IF =2.6 Citation index =3
6.	Dr. George Thomas	Impact of COVID-19 Lockdown on Ambient Air Quality in the Southwest Coastal Urban Regions of India	Aerosol Science and Engineering, 2023	IF =1.4
7.	Dr. Raneesh B	Alginate functionalized MFe ₂ O ₄ (M= Ni, Co) nanoparticles and hydrated salt incorporated flexible PVDF ternary nanocomposite fibers for magnetoelectric applications.	Polymers for Advanced Technologies, 2023	IF =3.4
8.	Dr. Raneesh B	Relaxor-antiferroelectric hybrids for pyroelectric energy conversion from low-grade heat using flexible PVDF-TrFE-CTFE-NaNbO ₃ nanocomposite films.	Polymer, 2023	IF =4.6 Citation index =1
9.	Dr. Raneesh B	Dielectric, ferroelectric and magnetoelectric investigations of SrFe ₁₂ O ₁₉ -embedded PVDF-HFP nanocomposite fiber mats for flexible electronic applications.	Journal of Materials Science, 2023	IF =4.5 Citation index =6
10.	Dr. Raneesh B	Spin-phonon interaction in nanocrystalline Dy ₃ Fe ₅ O ₁₂ probed by Raman spectroscopy: Effects of magnetic ordering	Journal of Science: Advanced Materials and Devices, 2023	IF =8

11.	Dr. Dhanya I	Electrical Energy Transport Through Correlated Barrier Hopping Mechanism in Silver-Decorated Graphene Oxide Nano Layers	Resilience and Sustainability for Energy and Water: New Advancements, Opportunities, and Framework, 2024	Apple academy press, Tailor & Fransis [Book chapter]
12.	Dr. Soosen Samuel	New perspectives on Micro Algal Fuel Cells: An Approach Towards Green Energy	The Food-Water Triangle for Sustainable Development, 2024	Apple academy press, Tailor & Fransis [Book chapter]
13.	Dr. Soosen Samuel	Effect of ZnO Nanorods Treated by Calycopteris floribunda on the Growth of Oryza sativa: Green and Sustainable Chemistry	Sustainable environment and Health, 2024	Apple academy press, Tailor & Fransis [Book chapter]

c. Is the department recognized as a research department?

 Yes

✓

 No

If yes give the number of research scholars joined this year: 4

d. How many teachers are recognized research guides of MG University: 5

e. How many teachers have PhD's : 8

f. Did the department produce any Ph. D during the last two years? (*For research departments only*) :2

 Yes

 No

If yes furnish the following

Sl. No	Name of the Research scholar	Name of the guide	Title of the thesis	Year of awarding
1	Rahul M.T	Dr. Raneesh B	Investigations on the multifunctional properties of certain composite multiferroic systems	2023
2	Sobi K Chacko	Dr. Raneesh B	Fabrication of PVDF-HFP Based Multiferroic Nanocomposite Fibers and Biomedical Studies of Selected Ternary Multiferroic Systems	2024

g. Does the department have any running major research project?

 Yes

✓

 No

If yes furnish the following.

Sl. No	Name of the principal investigator	Duration		Title of the project	Funding agency
		from	To		

1	Dr. Raneesh B	2020	2024	Design and implementation of small scale environmental energy harvesters by piezoelectric / multiferroic polymer nanocomposites	MHRD-STARS
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h. Does the department have any running minor research project?

Yes

No

✓

If yes furnish the following.

i. Did the department receive any assistance from Government or Non governmental agencies during the academic year?

Yes

No

✓

j. Did the department submit any new proposal for project, seminar etc. to funding agencies during the academic year?

Yes

No

✓

If yes give details

k. Did the department conduct seminar/workshop/conference/ programmes etc. during the academic year?

Yes

✓

No

If yes furnish the following

Sl. No	Title of the seminar/ workshop/ conference etc.	Duration		Whether international/ national/ state/regional	Funding Agency if any
		From	To		
1	2nd International Conference on Advanced Nanostructures (ICAN-2024)	22.1.2024	23.1.2024	International/	Self
2	National Science Day Celebration 2024	28.02.2024	29.02.2024	National	Self
3	Moon Day Celebrations	21-7-23		National	Self

l. How many student projects are executed on social issues? Zero

m. Any other relevant information the department wishes to add. NIL

Consultancy and extension

a. Did the department sign any MoU with industry or any other agency?

 Yes No ✓

If yes give details.

a. Does the department conduct consultancy services?

 Yes ✓ No

If yes give details

The Advanced Materials Lab of the Physics Department provides a PE loop tracer system to measure the electrical behavior of ferroelectric materials for external user samples. An analysis fee of Rs 500 per sample is collected as an instrument maintenance fund. The instruments are out of warranty, and the collected amount (totaling Rs 12,000) will be used for the maintenance and servicing of the PE loop tracer system and other instruments in the Advanced Materials Lab.

b. Does the department provide job-oriented / career counselling training for students?

 Yes ✓ No

If yes give details

Career Guidance programme on “ Opportunities and future Perspectives in Physics” led by Dr. Nibu A George, Assistant Professor, Department of Physics, Baselios college, Kottayam in association with merit day of department.

c. Does the department arrange placement for students?

 Yes No ✓

If yes give details

d. Does the department conduct/coordinate any kind of extension activities?

 Yes ✓ No

If yes give details.

1. Community Extension Programme “ One-day LED workshop for women CDC unit in Vallicode Panchayath” in association with Indira Gandhi National Open University (Southern Zone) on 13/07/2023

2. Outreach programme with IIRS in the EDUSAT tele-education programme on every alternative month in an year

3. Community Extension Training programme on “ Assembling and Maintenance of LED lamps” in association with Indira Gandhi National Open University (Southern Zone) and Vallicode Grama Panchayath from 22/03/2024 to 27/03/2024.

e. How many teachers attended the Malavya Mission training on NEP ? NIL

f. Any other relevant information the department wishes to add.

Extracurricular activities



a. Does the department students participate in the interdepartmental sports/ cultural contests?

Yes



No

If yes give details

1. Akhila Babu: 28th Kerala State women softball championship 2023 from 12/10/2023 to 15/10/2023
2. Akhila Babu: intercollegiate Softball women championship 12/04/2023

b. Mention achievements if any, of the students that come under the department.

1. Devi vrinda S & Aleena Ann Jacob, II MSc. Physics: 6th all Kerala intercollegiate Prof. V John memorial PowerPoint presentation competition on 21/09/23
2. Lekshmi Dileep, D1 Physics: 5th Prize in Vijnana Keralam Vijaya keralam quiz competition on 05/11/23
3. Devika S Nair, I MSc. physics: First prize in Essay writing competition in association with international women day celebration in NCESS Thiruvananthapuram.
4. Reema Ranjith, D1 Physics: light music university youth festival A grade
5. Sabhapathy S, II MSc. Physics : Third prize in Tamil Short story writing in university youth festival
6. Issac Johnson, I-MSc. Physics: A grade in Hindi poetry recitation competition in university youth festival.
7. Devika S Nair & PS Jayalekshmi got second prize in all kerala Quiz competition PHYSICA-2 done by St.Thomas college, Pala

c. Mention the student association activities if any, during the academic year

1. 3rd Place in College Arts festival 2023-24
2. One day orientation Programme for first year UG& PG students “X-ray crystallography: gateway to modern science” led by Prof. C. Sudharsankumar, SPAP, M.G University on 12/07/2023
3. Film Fest and film Review Competition based on the science fiction movie “ RED RAIN” on 29/02/2024
4. Important days observations and celebrations: Moon-day celebrations and An informatory talk on the topic of “ Moon: Our Celestial body” led by Dr. Nizy Mathew, Scientist, SF, Space Physics Laboratory, VSSC, ISRO on 21/07/2023 & National Science Day lecture on the theme “ Indigenous technology for Viksit Bharath” led by Prof. N.V Unnikrishnan, M.G Univeristy, Kottayam on 28/02/24
5. Merit day celebrations and distribution of prizes to award winning students on 27/03/2024.

d. Mention the performance of students in the sports activities during the academic year.

1. 3rd Place in College Sports day celebrations 2023-24
2. Aksa Reji, Individual Champion girls on sports day celebrations in college wise.

e. How many Interdepartmental competitions are organized by the department

1. Interdepartmental Quiz on “Astrophysics and Astronomy” on 21/07/2023
2. Interdepartmental Power point competition on the theme “ Indigenous technology for Viksit Bharath” in association with science day on 28/02/2024
3. film Review Competition based on the science fiction movie “ RED RAIN” on 29/02/24

f. What is the role of the Department with the Innovation center of the institution
 Department promote innovation and incubation activities among students in associated with the innovation center of the institution. It helps the students to achieve knowledge to product level and students can become an Entrepreneur in Future.

g. Any other relevant information the department wishes to add.

1. Inspire scholarship got for Gouri S [II BSc. Physics], Nikhila Ann Abraham [Research Sholar]

2. **Four** placements in department level:

Anagha P: Working as project associate in National Physical Laboratory Delhi

Amrutha J Nair got as senior executive in Bajaj alliance life insurance of Axis Bank

SivaPrabha R got job as LP school assistant in JBVLPS, Kummanur

Belo P John selected to Indian Army as AGNIVEER

3. **six** students gone for higher education from PG

Arya Surendran : EROS Project Associate in ReinWald, Nottingham university UK

Sani Kurian : MS in Electrical Engineering in University of new haven, Connecticut

Riya Rachel Roy, Anju Elizabeth Yohannan, Anupama S Gone for BEd. Course

Governance and Practices

a Are any members of the department involved in the administrative/club/committee activities of the college?

Yes



No

If yes furnish the following (use separate sheet if necessary)

Sl. No.	Name	Activity to which associated
1	Dr. George Thomas	IQAC coordinator
2	Dr. Soosen Samuel	NIRF committee coordinator, IQAC Member
3	Dr. Dhanya I	College Council member
4	Dr. Anoop P D	RUSA committee coordinator

a. Describe the measures taken for maintaining the cleanliness of staff room, classrooms, labs, museums etc.

The department gives utmost importance to the cleanliness of its premises. Staff room, Classrooms as well as labs of the department are cleaned periodically by the cleaning



staff assigned to the department so that the faculty as well as students can effectively undergo the teaching learning process in a hygienic environment.

b. Does the department maintain proper documentation of data?

Yes ✓ No

c. Does the department have any collaborations with other institutions for staff or student exchange programme ?

Yes No ✓

If yes give details

d. Does the department conduct student Mentoring / Counseling?

Yes ✓ No

If yes give details

Mentoring system is introduced in the department with the sole purpose of catering to the needs of the students in the academic and personal level. The Institution being in the rural area, many students are from economically weaker section of society lacking proper academic background and facing financial constraints. Mentoring system is thus an essential feature to render equitable service to the students coming from different background. Mentoring system in the department provides support to the students through advice and counselling, through friendship building, through re-enforcement and constructive role modelling. Thus, mentoring expands beyond teaching to advancement in the educational and personal growth of the mentee.

e. Mention the measures if any, taken by the department for personality development/ soft skills of the students

The youths of today are under tremendous pressure in order to carve out a niche for survival in life. They are subjected to fierce competitions against their peers not only in academics but also in job hunting and establishing careers. Besides their academic syllabus, it is felt that our students must be given additional training in relevant aspects so designed to widen their outlook and perspectives. For this purpose, department has established a career guidance and soft skill development initiative which provides the

students with training in soft skills. For the outgoing students career guidance sessions are conducted periodically so that they are up to date regarding the curricular and job avenues they can pursue in future.

- f. How many students are involved in the activities of the Innovation center? 10
- g. Do you perform PBAS: Yes
- h. What is the grievance redressal mechanism in the department?

The department has a grievance redressal cell headed by one of the senior faculty members. The cell looks in to the issues regarding the grievances of students and appropriate remedial solutions to the same are introduced after discussing with other members of the department. The department maintains a complaint box through which the students can convey their grievances anonymously if they prefer so.

- i. What are the green initiatives of the department ?
 - Maintenance of damaged LED bulbs and Tubes are done in the department by adopting Vallikode grama panchayath.
 - Department is also taking part in the green audit of college where college got A+ grade in Green Audit.
- j. How many departmental staff meetings were held during the assessment period? 14
- k. Mention one best practice of the department

In a bid to empower women residing in rural areas and enhance their skills in sustainable technology, the Department of Physics at Catholicate College, in collaboration with Indira Gandhi Open University, organized a workshop and training session on assembling and maintenance of LED lamps. The overarching goal of this initiative was to equip village women with practical skills that not only contribute to their economic independence but also promote environmentally friendly practices. The workshop commenced on the 22nd of March and spanned across six days until the 27th of March 2024. Each day was meticulously planned to cover various aspects of LED lamp assembly and maintenance.

- l. What are the future plans of the Department?
 - More placement to students
 - Implementation of additional add-on certificate programmes on Python and Data Science / AI / Machine Learning.
 - Entrepreneurship based courses to students for sustain self-employment.
 - More international functional MOU and research collaborations.
- m. Give two strengths of the Department



- Well-equipped Research Centre
 - International and National Collaborations
- n. Give two weakness of the Department
Lack of Lab assistants in department
Lack of fund in maintain lab Equipments constantly.
- o. Any other relevant information the department wishes to add. (List): NIL

Signature:

Head of the Department: Dr. DHANYA I

Seal :

**CATHOLICATE COLLEGE
PATHANAMTHITTA**

**ACADEMIC ADMINISTRATIVE AUDIT
FOR DEPARTMENTS**

**AUDIT DATA SOURCE
2023 - 24**



Name of the Department: ZOOLOGY

**BASIC PROFOMA ABOUT THE DEPARTMENT**

Name of the Department : PG & RESEARCH DEPT. OF ZOOLOGY

Total Teaching staff members : 7

Total Permanent Teaching staff members : 5

Programmes offered :

- a) B.Sc Zoology
- b) M.Sc Zoology
- c) PhD Zoology

Total Teachers with PhD : 1 (One)

Average teaching experience of Teachers : 9.4

Total Non-teaching Staff members : 1

Total students during 2023-24

Courses	Male	Female	Total
1st year B.Sc Zoology	4	22	26
2nd Year B.Sc Zoology	12	18	30
3rd Year B.Sc Zoology	4	21	25
1st Year M.Sc Zoology	1	8	9
2nd Year M.Sc Zoology	3	10	13



AUDIT RESPONSE

Curricular Aspects.

- a. Number of value added / Add on certificate courses offered: **Nil**
- b. Total teachers in various bodies of university
- | | |
|-------------------------|--------------|
| BOS. | - Nil |
| Academic Council. | - Nil |
| Examination committees. | - Nil |
- c. Is there a departmental mechanism for feedback on curriculum and its analysis? **No**
- d. Methods employed for curriculum delivery
- i. *Lecture system*
 - ii. *Presentation*
 - iii. *Peer study*
 - iv. *Hands on experiments*
 - v. *Virtual Practicals*
 - vi. *Field visits & industrial visits*
- e. Do you prepare a teaching plan: **Yes**
- f. Name one unique Student centric activity of the Department: **Bird Club**



Teaching learning Evaluation

- a. Furnish the pass percentage for degree main 2021-2024 year B.Sc batch, subsidiaries year batch, and PG 2022-2024 Year batch.

Postgraduate course : Result awaited

Degree : 72 % pass

Mention ranks, if any, obtained for the 2021-2024 B.Sc batch. (Give the total number of students appeared for the University examination) .

7th Rank – Shalet Saley Sam

Total number of students appeared for university examination: 600

- b. Please furnish details of result analysis

If yes furnish the following for degree 2021-2024 B.Sc batch and PG 2022-2024 PG batch

a. Class average % marks in entry level = 83 %

b. Class average % marks in exit level = 72 %

- c. Did the department design any curricula this year? Certificate Courses? **No**

Yes

No ✓

If yes, give details

- d. Does the department provide Remedial / Bridge / Tutorial classes?

Yes ✓

No

If yes furnish the following

Sl.	Name of the teacher	Class for which Rem. /Bridge teaching was
-----	---------------------	---



No.		arranged
1	Shaloo Ann Thomas	D3
2	Dr. Kiran Joseph	D2
3	Liji Koshy	D1

e. Does the department employ any innovations in teaching and evaluation methods?

Yes

No ✓

If yes, give details of the innovative methods employed this year.

f. Does the department conduct Student Teacher evaluation?

Yes ✓

No

If yes mention the measures taken on the basis of the evaluation.

g. How many class rooms have smart boards: **1 (One)**

h. How many teachers attended seminar/ workshop/ conference/ refresher courses / FDP etc. during 2023-2024 (Use separate sheet if necessary)

Sl. No	Name of the faculty	Title of the seminar/ workshop/ conference etc.	Duration		Whether international/ national/ state/regional	Organizing agency
			From	To		
1	Liji Koshy	21 st Academic conference	27 th January 2024		Regional	MOC
2	Liji Koshy	TAXOCON 2024	26 th January 2024	28 th January 2024	National	TNHS, Dept of Aquatic Biology & Fisheries (Uty of

						Kerala) & INTREC
3	Liji Koshy	National Symposium on Biological Invasions & Biocultural Diversity	9 th January 2024	10 th January 2024	National	Christian College, Chengannur
4	Liji Koshy	National Seminar on Exploring the Diverse World of Insects	13 th December 2023	15 th December 2023	National	Govt. Arts & Science College, Elanthoor
5	Liji Koshy	FDP on “Internationalization Strategies in Indian Higher Education: NEP 2020 Perspectives”	4 th December 2023	10 th December 2023	International	KITTS (Kerala Institute of Tourism & Travel Studies)
6	Shaloo Ann Thomas	Training Programme on IPR	26 th July 2023		National	National Intellectual Property Awareness Mission
7	Shaloo Ann Thomas	21 st Academic conference	27 th January 2024		Regional	MOC

- i. Give details of faculty members, if any, who are selected as resource persons for seminar/workshop/conference/refresher courses etc. during 2023-2024? (Use separate sheet if necessary)

Sl. No	Name of faculty	Title of the seminar/ workshop/ conference	Duration		Whether international/ national/ state/regional	Organizing agency
			From	To		
1	Shaloo Ann Thomas	“Exploring the Diverse World of Insects”	13 th December 2023	15 th December 2023	National	Govt College of Arts & Science, Elanthoor

- j. List the student centric learning methods adopted in the department
- i. *Group discussion*
 - ii. *Peer learning*
 - iii. *Seminars*
 - iv. *Study tours*
- k. Give details of Continuous Internal Evaluation process
- i. *Seminars*
 - ii. *Assignments*
 - iii. *Internal exams*
- l. What are the ICT facilities available in the Department
- | | |
|--------------------------|------------|
| <i>Interactive panel</i> | <i>- 1</i> |
| <i>Projectors</i> | <i>- 2</i> |
| <i>Computers</i> | <i>- 5</i> |
- m. Total teachers using ICT facilities: **5**
- n. Any other relevant information the department wishes to add.
- o. List the specialized labs in the Department
- i. *B.Sc & M.Sc Labs,*
 - ii. *Microbiology Lab,*
 - iii. *Computer lab*
 - iv. *Research lab & Instrumentation room*
- p. Do you have a Departmental library: **Yes**
- No. of Books: 1846 + 5 (New addition in 2023-2024)*
- q. What mechanism is followed or PO / CO evaluation in the Department:
- Please attach an example

Research

- a. Does the department have publications out of the work done within the department during the current academic year?

 Yes

✓

 No

If yes furnish the following.

Sl. No	Name of faculty	Title of the paper	Title of the Journal and year of publishing	Citation index and impact factor of the journal, if available
1	Shaloo Ann Thomas	Isolation & Optimization of Cholesterol Oxidase production by <i>Streptomyces maritimus</i>	International Journal of Biology, Pharmacy and allied sciences. December 2023	
2	Shaloo Ann Thomas	Antimicrobial activity of cowdung and buffalo dung extracts against selected human pathogens	Indian Journal of Natural Sciences. April 2024	
3	Vidhya Vasudevan (Research Scholar)	Distribution & Abundance of microplastics in the water and sediments of Pamba river, near Sabarimala; the famous pilgrim centre in South India: A multidimensional approach	Proceedings of 'Environmental Pollution, Health & Sustainability' conducted by Dept of Environmental Sciences, Uty of Kerala November 2023	

- b. Give details of the publication by faculty, if any.

Sl. No	Name of faculty	Title of the paper/book	Title of the Journal / book and year of publishing	Citation index and impact factor of the journal, if available
1	Shaloo Ann Thomas	Isolation & Optimization of Cholesterol Oxidase	International Journal of Biology, Pharmacy and allied sciences.	



		production by <i>Streptomyces maritimus</i>	December 2023	
2	Shaloo Ann Thomas	Antimicrobial activity of cowdung and buffalo dung extracts against selected human pathogens	Indian Journal of Natural Sciences. April 2024	
3	Liji Koshy	A Comparative Study on Ant Diversity of Isolated Land Masses With And Without Human Habitation In Ashtamudi Lake, Kollam, Kerala	Accepted by ZSI for 'Proceedings of Zoological Society of India'	

c. Is the department recognized as a research department?

Yes ✓

No

If yes give the number of research scholars joined this year.

d. How many teachers are recognized research guides of MG University
2 guides (faculty of this college) + 2 guides (from other colleges)

e. How many teachers have PhD's : **1 (One)**

f. Did the department produce any Ph. D during the last two years? (*For research departments only*)

Yes ✓

No

If yes furnish the following

Sl. No	Name of the Research scholar	Name of the guide	Title of the thesis	Year of awarding
1	Blessy John	Dr. Sunil Kumar R	Ecology Of Periphytic Community In Part Of Periyar River In Kerala	31/01/2022
2	Letha P Cheriyan	Dr. Manu Oommen	A Molecular Approach To The Study Of Fish Diversity Of Meenachil River, Kerala	21/03/2022
3	Sreeranjini Kamal	Dr. Sunil Kumar R	Studies On The Benthic Macro Invertebrates In Pampa River Along The Pathanamthitta District In	22/06/2022



			Kerala.	
4	Mintu Ann Varghese	Dr. Sunil Kumar R	Distribution Of Bacteria And Its Extracellular Enzyme Production From Various Substrata Of Ayiramthengu Mangrove Ecosystem Of Kerala Coast India	15/11/2022
5	Ambily K Sukumaran	Dr. Sunil Kumar R	Studies On Community Structure Of Macro & Meio Benthic Fauna Of Thangassery Fishing Harbor Area In Kerala Coast	25/10/2022

g. Does the department have any running major research project?

Yes

No ✓

If yes furnish the following.

Sl. No	Name of the principal investigator	Duration		Title of the project	Funding agency
		from	To		

h. Does the department have any running minor research project?

Yes

No ✓

If yes furnish the following.

Sl. No	Name of the Principal investigator	Duration		Title of the project	Funding agency
		from	To		

- i. Did the department receive any assistance from Government or Non governmental agencies during the academic year?

 Yes

 No √

Sl. No	Title of the program	Duration		Funding agency	Amount allocated
		From	to		

- j. Did the department submit any new proposal for project, seminar etc. to funding agencies during the academic year?

 Yes

 No √

If yes give details

- k. Did the department conduct seminar/workshop/conference/ programmes etc. during the academic year?

 Yes √

 No

If yes furnish the following

Sl. No	Title of the seminar/ workshop/ conference etc.	Duration		Whether international/ national/ state/regional	Funding Agency if any
		From	To		
1	World Environmental Day Celebration	12-6-2023		Regional	Nil
2	World Elephant Day Celebration	14-08-2023		Regional	Nil
3	Mosquito-know your enemy	16-11-2023		Regional	Nil
4	Workshop on “MGUGP”	03-04-2024		Regional	Nil

- l. How many student projects are executed on social issues? **5**

- m. Any other relevant information the department wishes to add.

- Liji Koshy presented a paper “Ant Diversity in Mangroves of Ashtamudi Region, Kollam District, Kerala” in National Seminar on “Exploring the Diverse World of Insects” organized by Govt. Arts & Science College, Elanthoor.

- Vidya Vasudevan, Research scholar presented a paper on “Distribution & Abundance of microplastics in the water and sediments of Pamba river, near Sabarimala; the famous pilgrim centre in South India: A multidimensional approach” in an International conference on ‘Environmental Pollution & Health Governace for a Sustainable future (ICEGSF) 2023’ conducted by Dept of Environmental Sciences, Uty of Kerala in October 2023
- Vidya Vasudevan presented a paper entitled “Assessment of Heavy Metal Contaminants in Pamba River Basin, water, Sediment and fish species, Kerala, South India, a preliminary approach” on 11th International Science Congress at Udaipur Rajasthan on 8th and 9th December, 2023.

Consultancy and extension

- a. Did the department sign any MoU with industry or any other agency?

Yes ✓

No

If yes give details.

- MoU with Moonlight Aquarium & Ornamental fish farmers Society, Pathanamthitta for Certificate course*
- MoU with AVVM Sri Pushpam College, Thanjavoor for research activities and student exchange programmes.*
- MoU with Gloria Bee Farm, Omalloor for maintenance of Apiculture unit and sale of Zoohoney (A product of zoology department)*

- b. Does the department conduct consultancy services?

Yes

No ✓

If yes give details

- c. Does the department provide job-oriented / career counselling training for students?

Yes

No ✓

If yes give details

- d. Does the department arrange placement for students?

Yes

No ✓

If yes give details

- e. Does the department conduct/coordinate any kind of extension activities?

Yes ✓

No

If yes give details.

- The department maintains apiculture unit and Zoohoney production and sale with the help of Gloria Bee farm, Omalloor.*



- ii. *Participated in two school level exhibitions and provided department museum specimen for the students.*
- iii. *Production and sale of vermicompost.*
- iv. *The department contributed the data of bird survey as part of Campus bird Count to eBird repository.*
- v. *Sale of ornamental fish maintained by the Ornamental Fish breeding Centre in the department.*

f. How many teachers attended the Malavya Mission training on NEP ? **Nil**

g. Any other relevant information the department wishes to add.

Extracurricular activities

a. Does the department students participate in the interdepartmental sports/ cultural contests?

Yes ✓

No

If yes give details

b. Mention achievements if any, of the students that come under the department.

1. *NET – Benoy Joy (M.Sc Zoology), Anul Raj N (2021-2023 PG Batch)*
2. *GATE- Benoy Joy (M.Sc Zoology),*
3. *SET – Amrutha S (2020-2022 PG Batch), Arathy S Nair (2021-2023 PG Batch)*

c. Mention the student association activities if any, during the academic year

1. *Observing World Environment day*
2. *Elephant Day – Documentary show*
3. *World Food Day – Food fest*
4. *Training Programme on Vector “Mosquito – Know your Enemy”*
5. *GBBC/CBC*
6. *Participation in exhibition*

d. Mention the performance of students in the sports activities during the academic year.
Students of the department have actively participated in the sports activity both at college level as well as intercollegetate and university level.

Pavin George Joseph has secured

- a) *3rd place in 20th Senior South zone National Softball Championship 23-24 for men at Preston School Ground, Jangon, Telangana State from 12th -14th January 2024*
- b) *3rd place in Inter-collegiate (Inter Zone) Soft Baseball (M) Tournament 2023-24 at U.C College, Aluva.*

c) *2nd place in Inter- Collegiate (Inter Zone) Softball (M) Tournament in December 2023.*

- *Department of Zoology has secured first place in Inter departmental cricket tournament.*

e. How many Interdepartmental competitions are organized by the department: **Nil**

f. What is the role of the Department with the Innovation center of the institution

g. Any other relevant information the department wishes to add.

The department maintains:

- 1. Zoology museum*
- 2. Butterfly garden*
- 3. Bird club*
- 4. Vermiculture unit*
- 5. Ornamental fish breeding centre*
- 6. Apiculture unit*

Various group activities and projects are carried out by the students based on these facilities. Moreover, these activities equip students with skills for an entrepreneurship.

Governance and Practices

a Are any members of the department involved in the administrative/club/committee activities of the college?

Yes

No

If yes furnish the following (use separate sheet if necessary)

Sl. No.	Name	Activity to which associated
1	Liji Koshy	HoD, IQAC member, Women Cell Convenor, Open Course Convenor, D1 Class charge
2.	Dr. Kiran Joseph	IGNOU coordinator, D2 Class Charge, Member of Research Advisory committee, Convenor of Canteen committee, Member of Cooperative Bank
3	Susan K Wilson	2 nd PG Class Charge, St Basil Association Vice President, Admission Committee member,
4	Anusha Merin Wilson	1 st PG Class Charge, Dept. Association teacher in charge, PTA executive committee member
5	Shaloo Ann Thoma	D3 class Charge, NIRF committee member, RUSA committee member



- a. Describe the measures taken for maintaining the cleanliness of staff room, classrooms, labs, museums etc.

Every member of the department- teaching staffs, non teaching staff & students actively involved in maintaining cleanliness in the department along with periodical cleaning of the cleaning staffs of the college.

- b. Does the department maintain proper documentation of data?

Yes ✓

No

- c. Does the department has any collaborations with other institutions for staff or student exchange programme ?

Yes ✓

No

If yes give details

MoU with AVVM Sri Pushpam college, Tanjavor

- d. Does the department conduct student Mentoring / Counseling?

Yes ✓

No

If yes give details

- e. Mention the measures if any, taken by the department for personality development/ soft skills of the students

- f. How many students are involved in the activities of the Innovation centre ?

8 Students

Fasil Safan

Anagha S Kurup

Abhishek Anil

Rahul R Nath

Devapriya Prasad

Lisa Susan Thomas

Daya K J

Emily Susan Abraham

- g. Do you perform PBAS: **Yes** (Liji Koshy, Kiran Joseph)

- h. What is the grievance redressal mechanism in the department ?

There is a grievance cell in the department. A complain/grievance box is place in the department and students place there issues in it as a letter or directly inform the teachers. It is decided to conduct a meeting in the department on every 2nd wednesday to address the grievances received and take necessary actions.

- i. What are the green initiatives of the department ?



- j. How many departmental staff meetings were held during the assessment period?
13 meeting
- k. Mention one best practice of the department
The department develops skills in the students by various activities viz apiculture, vermiculture, aquaculture, bird club and butterfly garden to help them for a livelihood.
- l. What are the future plans of the Department?
 - *To establish more laboratories associated with biotechnology and molecular biology*
 - *To conduct national seminar on Research Writings in 2024-2025 academic year*
 - *To revive water quality testing lab and extending its facilities to nearby localities.*
- m. Give two strengths of the Department
 - *Good Museum, Instrumentation room, Library.*
 - *Strong alumni*
- n. Give two weakness of the Department
 - *Staff deficiency- both teaching and non teaching*
 - *The department engages in various activities associated with live organisms and need lots of maintenance, expenses and manpower.*
 - *Limitations of ICT facilities.*
 - *Space limitation*
- o. Any other relevant information the department wishes to add. (List)

Signature:

Head of the Department:

Seal :

**CATHOLICATE COLLEGE
PATHANAMTHITTA**

**ACADEMIC ADMINISTRATIVE AUDIT
FOR DEPARTMENTS**

**AUDIT DATA SOURCE
2023 - 24**



Name of the Department: Commerce

BASIC PROFOMA ABOUT THE DEPARTMENT

Name of the Department	: Department
Total Teaching staff members	: 07 (Aided) 09 (Self-Financing)
Total Permanent Teaching staff members	: 06
Programmes offered	: B.com Finance & Taxation B.com Computer Application (SF) M.com Finance & Taxation M.com Finance & Taxation (SF) MTTM (SF)
Total Teachers with PhD	: 04
Average teaching experience of Teachers	: 8.5 (Aided) 5.5 (SF)
Total Non-teaching Staff members	: 01

Total students during 2023-24

Courses	Male	Female	Total
B.com Finance & Taxation	57	87	144
B.com Computer Application (SF)	98	33	131
M.com Finance & Taxation	15	20	35
M.com Finance & Taxation (SF)	11	15	26

MTTM (SF)	09	12	21
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AUDIT RESPONSE

Curricular Aspects.

- a. Number of value added / Add on certificate courses offered: 04

- b. Total teachers in various bodies of university
 - BOS. - 01
 - Academic Council. - Nil
 - Examination committees. – 02 (Examination Squad), 01 (Chairman)
- c. Is there a departmental mechanism for feedback on curriculum and its analysis? Yes
- d. Methods employed for curriculum delivery –
 - Direct Teaching and Participative Learning.
 - Direct Teaching includes Lecture Illustrations, ICT enabled classrooms, Bridge Course, Remedial Classes
 - Participative Learning includes Seminar, Assignment, Mentoring
- e. Do you prepare a teaching plan - Yes
- f. Name one unique Student centric activity of the Department: Cathcommercio (National Level Commerce and Management Fest)

Teaching learning Evaluation

- a. Furnish the pass percentage for degree 2021-2024 year batch and PG 2021-2023. Year batch.

	% pass
Postgraduate course	:
M. Com	79%
M. Com (SF)	50%
MTTM	100%
B. Com F&T	:
B. Com (SF)	36%

Mention ranks, if any, obtained for the 2021-2024 year batch and PG 2021-2023 (Give the total number of students appeared for the University examination) .

Name of the Student	Achievements
Sajana N	MTTM 2 nd Rank(58)
Arathy P Pillai	M. Com 3 rd Rank (1645)
Ardra S	MTTM 3 rd Rank(58)
Devu B	M. Com 4 th Rank(1645)
Lydia Raichel Thomas	M. Com 6 th Rank(1645)
Gayathri Jayakumar	B. Com 1 st Rank(4269)
Esther Acsah Mathew	B. Com 3 rd Rank(4269)
Aalya Ansari	B. Com (SF) 3 rd Rank(1512)
Ashitha A	B. Com 7 th Rank(4269)

- b. Please furnish details of result analysis

If yes furnish the following for degreebatch and PG batch

a. Class average % marks in entry level =

B. Com Aided = 90%

B.Com (SF) = 83%

b. Class average % marks in exit level =

B. Com Aided=74%

B. Com (SF)= 60%

c. Did the department design any curricula this year? Certificate Courses?

No

If yes, give details

d. Does the department provide Remedial / Bridge / Tutorial classes?

Yes

If yes furnish the following

Sl. No.	Name of the teacher	Class for which Rem. /Bridge teaching was arranged
1	Dr. Ann Naisy Jacob	First Year B.Com and M.Com
2	Dr. Kuriakose V Kocheril	First Year B.Com and M.Com
3	Dr. Mathew George	First Year B.Com and M.Com
4	Mr. Aby T Alias	First Year B.Com and M.Com
5	Ms. Ancy Sam	First Year B.Com and M.Com
6	Dr. Vinod K Raju	First Year M.Com
7	Ms. Amala Sara John	First Year M.Com
8	Ms. Priyanka Gopinath	First Year B.Com and M.Com
9	Mr. Jobin Jose	First Year B.Com and M.Com

10	Ms. Princy Roy	First Year B.Com and M.Com
11	Ms. Pallavi Nandan	First Year B.Com and M.Com
12	Ms. Nandu T Nandan	First Year M.Com
13	Ms. Archana S	First Year M.Com
14	Ms. Christy Mody Thomas	First Year B.Com and MTTM
15	Mr. Subin Babu	First Year MTTM
16	Ms. Leeba Elsa Babu	First Year MTTM

e. Does the department employ any innovations in teaching and evaluation methods?

Yes

If yes, give details of the innovative methods employed this year.

Peer Teaching, Role Play, Management Games, Individual and group presentation, Expert lectures, Project based learning, Blended Learning

f. Does the department conduct Student Teacher evaluation?

Yes

If yes mention the measures taken on the basis of the evaluation.

g. How many class rooms have smart boards

02

h. How many teachers attended seminar/ workshop/ conference/ refresher courses / FDP etc. during (Use separate sheet if necessary)

Sl. No	Name of the faculty	Title of the seminar/ workshop/ conference etc.	Duration		Whether international/ national/ state/regional	Organizing agency
			From	To		
1	Dr. Ann Naisy Jacob	Fostering Excellence: NEP Driven College Readiness	23-02-2024		Regional	IQAC
2	Dr. Kuriakose V Kocheril					
3	Dr. Mathew George					
4	Mr. Aby T Alias					

5	Ms. Ancy Sam				
6	Dr. Vinod K Raju				
7	Ms. Amala Sara John				
8	Ms. Priyanka Gopinath				
9	Mr. Jobin Jose				
10	Ms. Princy Roy				
11	Ms. Pallavi Nandan				
12	Ms. Nandu T Nandan				
13	Ms. Archana S				
14	Ms. Christy Mody Thomas				
15	Mr. Subin Babu				
16	Ms. Leeba Elsa Babu				

Sl. No	Name of the faculty	Title of the seminar/ workshop/ conference etc.	Duration		Whether international/ national/ state/regional	Organizing agency
			From	To		
1	Dr. Ann Naisy Jacob	Regulations and Frameworks for Four Year Under Graduate Programme (FYUGP)	18/11/2023	Regional	IQAC	
2	Dr. Kuriakose V Kocheril					
3	Dr. Mathew George					
4	Mr. Aby T Alias					
5	Ms. Ancy Sam					
6	Dr. Vinod K Raju					
7	Ms. Amala Sara John					
8	Ms. Priyanka Gopinath					
9	Mr. Jobin Jose					
10	Ms. Princy Roy					
11	Ms. Pallavi Nandan					
12	Ms. Nandu T Nandan					
13	Ms. Archana S					
14	Ms. Christy Mody Thomas					
15	Mr. Subin Babu					
16	Ms. Leeba Elsa Babu					

- i. Give details of faculty members, if any, who are selected as resource persons for seminar/workshop/conference/refresher courses etc. during? (Use separate sheet if necessary)

Sl. No	Name of faculty	Title of the seminar/ workshop/ conference	Duration		Whether international/ national/ state/regional	Organizing agency
			From	To		

- j. List the student centric learning methods adopted in the department

- k. Give details of Continuous Internal Evaluation process

- l. What are the ICT facilities available in the Department

- m. Total teachers using ICT facilities

- n. Any other relevant information the department wishes to add.

- o. List the specialized labs in the Department

- p. Do you have a Departmental library

No. of Books

- q. What mechanism is followed or PO / CO evaluation in the Department:

Please attach an example

Research

- a. Does the department have publications out of the work done within the department during the current academic year?

If yes furnish the following.

Sl. No	Name of faculty	Title of the paper	Title of the Journal and year of publishing	Citation index and impact factor of the journal, if available

- b. Give details of the publication by faculty, if any.

Sl. No	Name of faculty	Title of the paper/book	Title of the Journal / book and year of publishing	Citation index and impact factor of the journal, if available
1	Dr.Kuriakose V Kocheril	“Digital Financial Inclusion: A Catalyst for socio-economic and Financial Transformation of Rural Youth of Kerala”	SHODH GANGA	
2	Dr.Kuriakose V Kocheril	“Role of Kudumbasree unit on Women empowerment with special reference to mundakayam panchayat	IJCIRAS (International Journal of Creative	

		(Kottayam district,Kerala”)	and Innovative Research in All Studies)	

c. Is the department recognized as a research department?

Yes

If yes give the number of research scholars joined this year.

No. of research scholars (2023-24): **3**

d. How many teachers are recognized research guides of MG University: **1**

e. How many teachers have PhD's :**4**

f. Did the department produce any Ph. D during the last two years? (*For research departments only*)

Yes

If yes furnish the following

Sl. No	Name of the Research scholar	Name of the guide	Title of the thesis	Year of awarding
1	Alan Lukose	Dr. P N Harikumar	“Retail Investor’s Behaviour towards IPO market in Kerala”	2023
2	Megha Jacob	Dr. P N Harikumar	“Workplace Environment and Job performance of IT employees in kerala”	2023
3	Anjana G Nair	Dr. P S Ajith	“A study on the Performance Evaluation of Integrated Child Development Services (ICDS) Programme in Kerala”	2024
4	Parvathy S Gopan	Dr. P N Harikumar	“Supply Chain Management of Agricultural Commodities in Kerala with Special Reference to Spices”	2023
5	Rekhamol O	Dr. P N Harikumar	“Customer Knowledge Management of telecom Industry in Kerala”	2023

g. Does the department have any running major research project?

No

If yes furnish the following.

Sl. No	Name of the principal investigator	Duration		Title of the project	Funding agency
		from	To		

h. Does the department have any running minor research project?

No

If yes furnish the following.

Sl. No	Name of the Principal investigator	Duration		Title of the project	Funding agency
		from	To		

i. Did the department receive any assistance from Government or Non governmental agencies during the academic year?

No

Sl. No	Title of the program	Duration		Funding agency	Amount allocated
		from	to		

j. Did the department submit any new proposal for project, seminar etc. to funding agencies during the academic year?

No

If yes give details

k. Did the department conduct seminar/workshop/conference/ programmes etc. during the academic year?

No

If yes furnish the following

Sl. No	Title of the seminar/ workshop/ conference etc.	Duration		Whether international/ national/ state/regional	Funding Agency if any
		From	To		

1. How many student projects are executed on social issues?

Any other relevant information the department wishes to add

Consultancy and extension

a. Did the department sign any MoU with industry or any other agency?

Yes

If yes give details.

MOU with Rutronix for providing Computer courses like DCA, PGDCA, Data Entry, PDCFA.

MOU With ISCD for providing Courses like ACCA, CMA (US)

b. Does the department conduct consultancy services?

No

If yes give details

c. Does the department provide job-oriented / career counselling training for students?

Yes

If yes give details

d. Does the department arrange placement for students?

Yes

If yes give details

e. Does the department conduct/coordinate any kind of extension activities?

Yes

If yes give details.

“Share To Care” Charity Programme

f. How many teachers attended the Malavya Mission training on NEP ?



01

- g. Any other relevant information the department wishes to add.

Extracurricular activities

- a. Does the department students participate in the interdepartmental sports/ cultural contests?

Yes

If yes give details

- b. Mention achievements if any, of the students that come under the department.

Name of the Student	Class	Achievement
Sgt. Nissy Varghese	2 nd B. Com F&T	Selected to participate in 75 th Republic Day Camp at Delhi 2024
Sarfes K M	3 rd B. Com F&T	Member of MGU Baseball (M) team for participating All India Interuniversity Championship at The Royal Global University Guwahati Assam
Sajin P Saji	1 st M.Com(SF)	Member of MGU Baseball (M) team for participating All India Interuniversity Championship at The Royal Global University Guwahati Assam
Anjana V	1 st B.Com F&T	Member of MGU Volleyball (W) team which won The All India Interuniversity Volleyball(W) Championship 2023-24
Anakha Benny	2 nd B.Com (SF)	Member of MGU Baseball(W) team for participating in All India Interuniversity Championship
Aleena Jobi	2 nd B. com F&T	Member of MGU Baseball(W) team for participating in All India Interuniversity



		Championship
Preethy Gulliya	3 rd B. Com F&T	Member of Catholicate College Volleyball (W) Team which won MGU Intercollegiate Volleyball Championship
Lalitha Ajappa Naik	3 rd B. Com F&T	Member of Catholicate College Volleyball (W) Team which won MGU Intercollegiate Volleyball Championship
Riju V Regi	2 nd M. Com F&T	Member of Catholicate College Softball(M) team which were the Runners up of MGU Softball Championship
Jerrin Biju Varghese	3 rd B. Com (SF)	Member of Catholicate College Softball(M) team which were the Runners up of MGU Softball Championship
Amal Vijay	1 st B.Com F&T	Member of Catholicate College Softball(M) team which were the Runners up of MGU Softball Championship
Suja Mahendran	3 rd B. Com (SF)	Member of Catholicate College Baseball (W) team which were winners of MGU Softball Championship
Roshan H	2 nd B.Com (SF)	Member of Catholicate College Chess (M) team which were 2 nd runners up of the MGU Chess Championship
R Sreevignesh	1 st M. Com (SF)	Member of Catholicate College Chess (M) team which were 2 nd runners up of the MGU Chess Championship
Subin Danney Saji	2 nd B.Com (SF)	Bronze Medal in MGU Intercollegiate fencing Sabar Team Championship
Advaith K G	1 st B.Com F&T	Member of Catholicate

		College Baseball(M) team which were 2 nd Runners Up of MGU Baseball Championship
Alan Vinayak M P	1 st B. Com (SF)	Member of Catholocate College Baseball(M) team which were 2 nd Runners Up of MGU Baseball Championship
Nandana Narayan, Agnas Sara Aji	2 nd B. Com F&T	MGU Arts Festival Vanchipattu 2 nd Position (A Grade)
Aiswarya S	1 st B.Com F&T	Bharathanattiyam (A Grade)
Amal Tom Solomon	3 rd B.Com F&T	Kolkali (A Grade)
Yaduraj R	2 nd B. Com (SF)	Kolkali (A Grade)
Azeem Shajahan	1 st B.Com (SF)	Kolkali (A Grade)
Renila Mary Varghese	2 nd M.Com	Poetry Recitation English (A Grade)
Renila Mary Varghese	2 nd M.Com	Miss Catholocate 2024

- c. Mention the student association activities if any, during the academic year
 Flavour Fiesta (Food Fest)
 Cathcommercio 2.0(Commerce & Management Fest)
 Tharagam (Onam Programme)

- d. Mention the performance of students in the sports activities during the academic year.

Name of the Student	Class	Achievement
Sgt. Nissy Varghese	2 nd B. Com F&T	Selected to participate in 75 th Republic Day Camp at Delhi 2024
Sarfes K M	3 rd B. Com F&T	Member of MGU Baseball (M) team for participating All India Interuniversity Championship at The Royal Global University Guwahati Assam
Sajin P Saji	1 st M.Com(SF)	Member of MGU Baseball (M) team for



		participating All India Interuniversity Championship at The Royal Global University Guwahati Assam
Anjana V	1 st B.Com F&T	Member of MGU Volleyball (W) team which won The All-India Interuniversity Volleyball(W) Championship 2023-24
Anakha Benny	2 nd B.Com (SF)	Member of MGU Baseball(W) team for participating in All India Interuniversity Championship
Aleena Jobi	2 nd B. com F&T	Member of MGU Baseball(W) team for participating in All India Interuniversity Championship
Preethy Gulliya	3 rd B. Com F&T	Member of Catholicate College Volleyball (W) Team which won MGU Intercollegiate Volleyball Championship
Lalitha Ajappa Naik	3 rd B. Com F&T	Member of Catholicate College Volleyball (W) Team which won MGU Intercollegiate Volleyball Championship
Riju V Regi	2 nd M. Com F&T	Member of Catholicate College Softball(M) team which were the Runners up of MGU Softball Championship
Jerrin Biju Varghese	3 rd B. Com (SF)	Member of Catholicate College Softball(M) team which were the Runners up of MGU Softball Championship
Amal Vijay	1 st B.Com F&T	Member of Catholicate College Softball(M) team which were the Runners up of MGU Softball Championship



Suja Mahendran	3 rd B. Com (SF)	Member of Catholocate College Baseball (W) team which were winners of MGU Softball Championship
Roshan H	2 nd B.Com (SF)	Member of Catholocate College Chess (M) team which were 2 nd runners up of the MGU Chess Championship
R Sreevignesh	1 st M. Com (SF)	Member of Catholocate College Chess (M) team which were 2 nd runners up of the MGU Chess Championship
Subin Danney Saji	2 nd B.Com (SF)	Bronze Medal in MGU Intercollegiate fencing Sabar Team Championship
Advaith K G	1 st B.Com F&T	Member of Catholocate College Baseball(M) team which were 2 nd Runners Up of MGU Baseball Championship
Alan Vinayak M P	1 st B. Com (SF)	Member of Catholocate College Baseball(M) team which were 2 nd Runners Up of MGU Baseball Championship

- e. How many Interdepartmental competitions are organized by the department
Nil
- f. What is the role of the Department with the Innovation center of the institution
- g. Any other relevant information the department wishes to add.

Governance and Practices

a Are any members of the department involved in the administrative/club/committee activities of the college?

Yes

No

If yes furnish the following (use separate sheet if necessary)



Sl. No.	Name	Activity to which associated
1	Dr. Ann Naisy Jacob	ED Club Coordinator, College Council Member, SQAC Teacher Incharge
2	Dr.Kuriakose V Kocheril	IGNOU Coordinator, Union Advisor
3	Dr.Mathew George	St.Basil Association Vice President, Internal Examination Committee member
4	Ancy Sam	NSS Programme Officer
5	Dr.Vinod K Raju	Placement Cell Coordinator, IQAC Member
6	Aby T Alias	RUSA Member

- a. Describe the measures taken for maintaining the cleanliness of staff room, classrooms, labs, museums etc.
Provided Dustbins in all classrooms

- b. Does the department maintain proper documentation of data?

Yes

- c. Does the department has any collaborations with other institutions for staff or student exchange programme ?

No

If yes give details

- d. Does the department conduct student Mentoring / Counseling?

Yes

If yes give details

Dr. Vinod K Raju and Leeba Elsa Babu are the In-charge of Counselling Centre.

- e. Mention the measures if any, taken by the department for personality development/ soft skills of the students

NIL

- f. How many students are involved in the activities of the Innovation centre ?

24

- g. Do you perform PBAS

Yes

- h. What is the grievance redressal mechanism in the department?

The Department has a grievance redressal committee which collects various grievances from the students through complaint box in front of the Department.



- i. What are the green initiatives of the department?
We are maintaining a Departmental Garden.
Various Green initiatives activities are organized by the Eco Club of the Department
- j. How many departmental staff meetings were held during the assessment period?
10
- k. Mention one best practice of the department
Share to Care
Green Initiatives
- l. What are the future plans of the Department?
 - To increase presentation programs by PG students and to increase their publications.
 - To increase publications among the faculties.
 - To conduct more National Seminars on various topics to motivate students to improve their research aptitude.
 - To conduct more workshops to equip the students and faculties with research analysis skills.
 - To inculcate entrepreneurial traits among the students by providing training programs.
 - To inculcate knowledge among the students about sustainable development through various activities of eco club
- m. Give two strengths of the Department
 - Largest department, with highest number of teachers and students.
 - Highly qualified, experienced and motivated faculty.
 - Faculty enrichment through FDPs, conferences, seminars and workshops.
 - Innovative practices to supplement classroom learning.
 - All round development of students through various departmental activities.
- n. Give two weakness of the Department
As the college is located in remote area, industrial collaboration is less
- o. Any other relevant information the department wishes to add. (List)

Signature:

Head of the Department:

Seal :



Name of the Student	Achievements
Sajana N	MTTM 2 nd Rank
Arathy P Pillai	M. Com 3 rd Rank
Ardra S	MTTM 3 rd Rank
Devu B	M. Com 4 th Rank
Lydia Raichel Thomas	M. Com 6 th Rank
Gayathri Jayakumar	B. Com 1 st Rank
Esther Acsah Mathew	B. Com 3 rd Rank
Aalya Ansari	B. Com (SF) 3 rd Rank
Ashitha A	B. Com 7 th Rank

**CATHOLICATE COLLEGE
PATHANAMTHITTA**

**ACADEMIC ADMINISTRATIVE AUDIT
FOR DEPARTMENTS**

**AUDIT DATA SOURCE
2023 - 2024**

Name of the Department: COMPUTER APPLICATIONS

BASIC PROFOMA ABOUT THE DEPARTMENT

Name of the Department : Computer Applications

Total Teaching staff members : 5

Total Permanent Teaching staff members : 5

Programmes offered : BCA (U.G Honours)

Total Teachers with PhD : Nil

Average teaching experience of Teachers : 8 Years

Total Non-teaching Staff members : Nil

Total students during 2023-24

Courses	Male	Female	Total
D3 BCA	27	07	34
D2 BCA	26	09	35
D1 BCA	30	09	39

AUDIT RESPONSE

Curricular Aspects.

- a. Number of value added / Add on certificate courses offered: Nil

- b. Total teachers in various bodies of university
 - BOS. - Nil
 - Academic Council. - Nil
 - Examination committees. - Nil
- c. Is there a departmental mechanism for feedback on curriculum and its analysis? No
- d. Methods employed for curriculum delivery
- e. Do you prepare a teaching plan? Yes
- f. Name one unique Student centric activity of the Department: Presentations

Teaching learning Evaluation

- a. Furnish the pass percentage for degree main Final (2021-2024) year batch, subsidiaries year batch, and PG Year batch.

% pass

Degree : 47%

Mention ranks, if any, obtained for the batches. (Give the total number of students appeared for the University examination).

- b. Please furnish details of result analysis

If yes furnish the following for degree Final (2021-2024) batch

a. Class average % marks in entry level = 80%

b. Class average % marks in exit level = 47 %

- c. Did the department design any curricula this year? Certificate Courses? - No

Yes No

If yes, give details

- d. Does the department provide Remedial / Bridge / Tutorial classes? - Yes

Yes No

If yes furnish the following

Sl. No.	Name of the teacher	Class for which Rem. /Bridge teaching was arranged
1	Deepthy Rajesh	D1 BCA

e. Does the department employ any innovations in teaching and evaluation methods? -

No

Yes

No

If yes, give details of the innovative methods employed this year.

f. Does the department conduct Student Teacher evaluation? - Yes

Yes

No

If yes mention the measures taken on the basis of the evaluation.

Evaluation methods includes class tests , quizzes, projects .

g. How many class rooms have smart boards: NIL

h. How many teachers attended seminar/ workshop/ conference/ refresher courses / FDP etc. during (Use separate sheet if necessary)

Sl. No	Name of the faculty	Title of the seminar/ workshop/ conference etc.	Duration		Whether international/ national/ state/regional	Organizing agency
			From	To		

i. Give details of faculty members, if any, who are selected as resource persons for seminar/workshop/conference/refresher courses etc. during? (Use separate sheet if necessary)

Sl. No	Name of faculty	Title of the seminar/ workshop/ conference	Duration		Whether international/ national/ state/regional	Organizing agency
			From	To		

j. List the student centric learning methods adopted in the department.

- Subject related Workshops
- Seminars
- Group discussions
- Group projects
- Quiz programs

k. Give details of Continuous Internal Evaluation process

Department verifies the internal assessment data of the students before it is forwarded to the university. Internal Assessment Data was sent to the University as it would have in normal times subsequent to the approval of the College Monitoring Committee. The College has a system of Student Feedback, which facilitates effective implementation of evaluation processes.

l. What are the ICT facilities available in the Department :

- Power point presentations
- E-resources such as NPTEL, SWAYAM etc for effective teaching- learning process.

m. Total teachers using ICT facilities : 5

n. Any other relevant information the department wishes to add.

o. List the specialized labs in the Department

p. Do you have a Departmental library : YES

No. of Books :101

q. What mechanism is followed or PO / CO evaluation in the Department:

Attainment of program outcomes and course outcomes are properly evaluated and filed in the department. The final results of the OBE attainment are discussed at the Department level and corrective measures are sought for further improvement if any.

Please attach an example

Research

- a. Does the department have publications out of the work done within the department during the current academic year? - No

Yes No

If yes furnish the following.

Sl. No	Name of faculty	Title of the paper	Title of the Journal and year of publishing	Citation index and impact factor of the journal, if available

- b. Give details of the publication by faculty, if any.

Sl. No	Name of faculty	Title of the paper/book	Title of the Journal / book and year of publishing	Citation index and impact factor of the journal, if available

- c. Is the department recognized as a research department?

Yes No

If yes give the number of research scholars joined this year.

- d. How many teachers are recognized research guides of MG University

- e. How many teachers have PhD's

- f. Did the department produce any Ph. D during the last two years? (*For research departments only*)

Yes No

If yes furnish the following

Sl. No	Name of the Research scholar	Name of the guide	Title of the thesis	Year of awarding

g. Does the department have any running major research project?

Yes

No

If yes furnish the following.

Sl. No	Name of the principal investigator	Duration		Title of the project	Funding agency
		from	To		

h. Does the department have any running minor research project?

Yes

No

If yes furnish the following.

Sl. No	Name of the Principal investigator	Duration		Title of the project	Funding agency
		from	To		

i. Did the department receive any assistance from Government or Non governmental agencies during the academic year?

Yes

No

Sl. No	Title of the program	Duration		Funding agency	Amount allocated
		from	to		

j. Did the department submit any new proposal for project, seminar etc. to funding agencies during the academic year?

Yes

No

If yes give details

k. Did the department conduct seminar/workshop/conference/ programmes etc. during the academic year? - Yes

Yes

No

If yes furnish the following

Sl. No	Title of the seminar/ workshop/ conference etc.	Duration	Whether international/ national/ state/regional	Funding Agency if any
		From		
1	INDUCTION PROGRAMME FOR FIRST YEAR STUDENTS	08/08/2023	State	Nil
2	Introduction to Data Science and Machine Learning (MoU with MACFAST)	10/08/2023	State	Nil
3	LATEST TRENDS IN PROGRAMMING LANGUAGES	17/08/2023	State	Nil
4	Jio True 5G: Step Into Your 5G Future	26/09/2023	State	Nil
5	Tools of the Trade: AI Research Methodology Unveiled	20/02/2024	State	Nil
6	Placement Drive (Quest Technologies)	27/03/2024	State	Nil

l. How many student projects are executed on social issues?

m. Any other relevant information the department wishes to add.

Consultancy and extension

a. Did the department sign any MoU with industry or any other agency? - Yes

Yes

No

If yes give details.

The Department of Computer Applications organized a seminar on “Introduction to Data Science and Machine Learning” on 10 August 2023 at 10.30 am in Mar Clemis Hall. This seminar was conducted in connection with the Inauguration of Lecture Series And Berner’s Lee

Association Activities. Our College has Signed an MoU with MACFAST , Tiruvalla during this program.



b. Does the department conduct consultancy services?

Yes

No

If yes give details

c. Does the department provide job-oriented / career counselling training for students?

- Yes

Yes

No

If yes give details

Career Counselling Training For Students

The Department of Computer Applications organized an induction programme for the first- year students in association with ASAP, Additional Skill Acquisition Programme, Kerala, on 08th August , 2023 at 9.30 am in Mar Eusebius Hall. Additional Skill Acquisition Programme (ASAP) Kerala is an undertaking of the Higher Education Department, Government of Kerala, that focuses on skilling students and the general community to enhance their employability. With nearly a decade of service, ASAP Kerala have become a premier Government EdTech Company, building integrated learning and talent management solutions

Job-oriented training for students

The Department of Computer Applications organized a Placement Drive on 27/03/2024.

- d. Does the department arrange placement for students?
 Yes No
If yes give details
- e. Does the department conduct/coordinate any kind of extension activities?
 Yes No
If yes give details.
- f. How many teachers attended the Malavya Mission training on NEP ?
- g. Any other relevant information the department wishes to add.

Extracurricular activities

Does the department students participate in the interdepartmental sports/ cultural contests? Yes

If yes give details

Cultural fest events- Drama, Kolkkali, Literary items

Sports- 200 m relay, 4x100 m relay, 4x200 m relay, disc throw, shotput, interdepartmental football, volleyball, basketball, cricket tournament

- a. Mention achievements if any, of the students that come under the department.
Interdepartment cricket- Runnerup
Interdepartment basketball – First Prize
Interdepartment shotput- Second prize
4x100 m relay- Third prize
University level fencing competition- Silver medal
- b. Mention the student association activities if any, during the academic year
Participation in Young Innovators Programme, Cath BIIC students group
- c. Mention the performance of students in the sports activities during the academic year.
Our students participated in many sports events and won prizes.
- d. How many Interdepartmental competitions are organized by the department. Nil
- e. What is the role of the Department with the Innovation center of the institution
Our student representatives are there among members of the innovation centre
- f. Any other relevant information the department wishes to add. Nil

Governance and Practices

a Are any members of the department involved in the administrative/club/committee activities of the college?

Yes

No

If yes furnish the following (use separate sheet if necessary)

Sl. No.	Name	Activity to which associated

a. Describe the measures taken for maintaining the cleanliness of staff room, classrooms, labs, museums etc.

b. Does the department maintain proper documentation of data?

Yes

No

c. Does the department has any collaborations with other institutions for staff or student exchange programme ?

Yes

No

If yes give details

d. Does the department conduct student Mentoring / Counseling?

Yes

No

If yes give details

e. Mention the measures if any, taken by the department for personality development/ soft skills of the students

f. How many students are involved in the activities of the Innovation centre ?

g. Do you perform PBAS

h. What is the grievance redressal mechanism in the department ?

i. What are the green initiatives of the department ?

j. How many departmental staff meetings were held during the assessment period?

- k. Mention one best practice of the department
- l. What are the future plans of the Department?
- m. Give two strengths of the Department
- n. Give two weakness of the Department
- o. Any other relevant information the department wishes to add. (List)

Signature:

Head of the Department:

Seal :

**INTERNAL QUALITY ASSURANCE CELL (IQAC)
CATHOLICATE COLLEGE, PATHANAMTHITTA**



STRATEGIC/ ACTION PLAN 2024-25
DEPARTMENT: ENGLISH



STRATEGIC/ ACTION PLAN 2024-25

MAJOR ACADEMIC TARGETS FOR THE ACADEMIC YEAR 2024-25

- 1. Professional Development and Training
- 2. Community Engagement and Outreach
- 3. Digital Initiatives
- 4. Internship and Career Opportunities
- 5. International Seminar and Exchanges
- 6. Green Practices

ACADEMIC ACTIVITIES

a) Schedule of Conference/ Seminar / Workshop / IPR / Research Methodology / Entrepreneurship /Skill Development/ Patent filing/ Prototypes/ Product Development

Proposed Month	Event Type	Proposed Title	Coordinator
September	International seminar	Philosophy	Anju John &Tessy Thomas
October	Workshop	Research Methodology	Dr. Jyothi Susan Abraham
November	Regional Seminar	Gender	Renu Anna Boban
October	Workshop	Creative Writing and Translation	Jiji Anna Jacob
September	Entrepreneurship	startups	Rijo John

b) Schedule of invited talk/ Guest talk / Alumni meeting / Talk with Alumni on any topic

Proposed Month	Event Type	Proposed Title	Coordinator
January	Memorial Lecture		Jisha Elezaba
December	Human Rights Day	Human Rights	Dr. Asha Philipose
November	Alumni	Alumni Meeting	Jiji Anna Jacob
December	Talk with the Alumni	Post Truth	Dr. Asha Philipose

c) Schedule of Dept. Academic Fests / Exhibition / Other Events (Intra and Inter).

Proposed Month	Event Type	Proposed Title	Coordinator
January	Literary Fest	Competitions and Cultural Events	Anu Francis& Jiji Anna Jacob



November	Food Fest	Fest	Dr. Vidya Merlin Varghese, Jisha Elezaba and Jiji Anna Jacob
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d) Capacity development and skill enhancement activities

Proposed Capacity development and skill enhancement activities aimed at improving:

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)
4. Awareness of trends in technology

Proposed Month	Event Type	Proposed Title	Coordinator
August	Public Speaking	Public Speaking	Rijo John
October	Workshop	Creative Writing and Translation	Jiji Anna Jacob
October	Yoga	Yoga	Jisha Elezaba
February	Literature and AI	Literature and AI	Rijo John

CURRICULAR ASPECTS IN CONNECTION WITH MGU-UGP

- a. Number of value added / Add on/ certificate courses (Proposed): **2**

TEACHING LEARNING AND EVALUATION

- a. Innovations in teaching and evaluation methods
- b. Student centric learning methods
- c. ICT enabled teaching/ e-content development

a. Innovations in Teaching and Evaluation Methods

- Blended Learning
- Project-Based Learning.
- Peer group teaching
- Audio book repository for visually impaired students
- Digital repository
- Experiential learning: field making
- Participatory Learning: Documentary, short film
- Outcome based Evaluation method

**b.Student-Centric Learning Methods**

Collaborative Learning
Mentoring
Remedial teaching Blended Learning
Project-Based Learning.
Peer group teaching
Audio book repository for visually impaired students
Digital repository
Experiential learning: field making
Participatory Learning: Documentary, short film

c.ICT Enabled Teaching/ E-Content Development

Online Learning Platforms
E-Content Development
Audio book repository for visually impaired students
Digital repository

RESEARCH, CONSULTANCY AND INNOVATION

- a. Number and title of research project proposals to be forwarded to the funding agencies: **Nil**
- b. Number and titles of research publications to be forwarded to the journals: **10**
- c. Target area and agencies for Consultancy initiatives of the department:
- d. MoUs / Collaborations/ linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training:
MoU/ collaboration with Vigyan Pathanamthitta,
Mou with MGU, Pullarikkunnu campus
One day field trip: Experiential learning.
On the job training for Integrated students
- e. Number of FDPs/Refresher/Orientation Programmes proposed to be organized: **Nil**
- f. Innovation and incubation strategies

EXTENSION AND OUTREACH

- a. Extension/outreach Activities of the department: **“Zephyr” extension programme of the department**



COMMUNITY ENGAGEMENT AND GREEN INITIATIVES

- a. Mention community Engagement:
- b. Mention best practice of the department:
“Zephyr” extension programme of the department
Food Fest: a charity venture

INFRASTRUCTURE DEVELOPMENT

ANY OTHER RELEVANT INFORMATION TO ADD

FIVE YEAR FUTURE PLANS OF THE DEPARTMENT

Faculty Development programmes

Community Outreach programmes

Upgrade classroom technology and incorporate digital tools for teaching and learning.

Develop online course offerings or hybrid learning options.

Initiate interdisciplinary projects with other departments

Establish exchange programs with foreign universities for faculty and students.

Host international literary festivals.

Organize alumni networking events and reunions.

Offer workshops on resume writing, interview skills.

Facilitate internships with local businesses, publishing houses, or media companies.

Implement eco-friendly practices in department.

Conduct regular reviews of departmental goals and outcomes.

Head of the Department:

Signature:

Seal :

**INTERNAL QUALITY ASSURANCE CELL (IQAC)
CATHOLICATE COLLEGE, PATHANAMTHITTA**



STRATEGIC/ ACTION PLAN 2024-25
DEPARTMENT: MALAYALAM

**STRATEGIC/ ACTION PLAN 2024-25****MAJOR ACADEMIC TARGETS FOR THE ACADEMIC YEAR 2024-25**

1. Two Day National Seminar
2. Functioning the Folklore Club
3. Publication From the Department

ACADEMIC ACTIVITIES**a) Schedule of Conference/Seminar / Workshop / IPR / Research Methodology / Entrepreneurship /Skill Development/ Patent filing/ Prototypes/Product Development**

Proposed Month	Event Type	Proposed Title	Coordinator
June	Research Methodology	Gaveshanathinte Reethishasthram	Dr.M.S.Paul
December	Workshop	GaveshanaReethishastram-Puthuvazhikal	Dr.Anu.P.T
August	Seminar	Two Day National Seminar	Dr.M.S.Paul & Dr.Jisha Thomas

b) Schedule of invited talk/ Guest talk / Alumni meeting / Talk with Alumni on any topic

Proposed Month	Event Type	Proposed Title	Coordinator
July	Invited Talk	Dr Samuel Chandhanappalli Memorial Talk	Dr.Anu.P.T
November	Alumni Meeting		Dr.Jisha Thomas & Dr.Anu.P.T
November	Guest talk	Keralappiravi	Dr.Rekha.R
November	Talk With Alumni	PuthuKavitha-Preeth Chaandanappalli, Indulekha, Nibulal, Unnikrishnan Poozhikkad, Jinu,	Dr.Jessy Alexander
February	Guest Talk	Mathrubhashadinam	Shynu Abraham
March	Guest Talk	Literary writing	Soumya Jose

c) Schedule of Dept. Academic Fests / Exhibition / Other Events (Intra and Inter).

Proposed Month	Event Type	Proposed Title	Coordinator
November	Book Fest	Pusthakaththe ariyaan	Dr.Rekha.R
December	Food Fest	Ruchikkoottu	Shynu Abraham

**d) Capacity development and skill enhancement activities**

Proposed Capacity development and skill enhancement activities aimed at improving:

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)
4. Awareness of trends in technology

Proposed Month	Event Type	Proposed Title	Coordinator
June	Environmental Day	Aranyakam	Dr.Jisha Thomas
July	Anti- Drug Day	Awareness Programme	Shynu Abraham
July	Soft Skills	Creative Writing	Dr.Rekha R
November	Legal Awareness Programme	Niyamavazhiye	Dr.Jessy Alexander
January	Yoga Day Celebration		Soumya Jose
March		Career Guidance	Dr.Jessy Alexander

CURRICULAR ASPECTS IN CONNECTION WITH MGU-UGP

- a. Number of value added / Add on/ certificate courses (Proposed) : 0

TEACHING LEARNING AND EVALUATION

- a. Innovations in teaching and evaluation methods
- b. Student centric learning methods
- c. ICT enabled teaching/ e-content development
- d. Flipped Classroom

RESEARCH, CONSULTANCY AND INNOVATION

- a. Number and title of research project proposals to be forwarded to the funding agencies
- b. Number and titles of research publications to be forwarded to the journals
- c. Target area and agencies for Consultancy initiatives of the department
- d. MoUs / Collaborations/ linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training
- e. Number of FDPs/Refresher/Orientation Programmes proposed to be organized
- f. Innovation and incubation strategies

EXTENSION AND OUTREACH



- a. Extension/outreach Activities of the department
Samskarika Directory Thayyarakkal –Pramadom Gramapanchayath

COMMUNITY ENGAGEMENT AND GREEN INITIATIVES

- a. Mention community Engagement
Book Drive –Book
- b. Mention best practice of the department
Food For Hungry Project

INFRASTRUCTURE DEVELOPMENT

ANY OTHER RELEVANT INFORMATION TO ADD

FIVE YEAR FUTURE PLANS OF THE DEPARTMENT

Digitalization of department Library

Media & Film Study Centre

Folklore Study Centre

Malayalam DTP Book Binding certificate course

Collaboration with Asian Studycentre, Texas University

Head of the Department:

Signature:

Seal :

**INTERNAL QUALITY ASSURANCE CELL (IQAC)
CATHOLICATE COLLEGE, PATHANAMTHITTA**



**STRATEGIC/ ACTION PLAN 2024-25
DEPARTMENT: HINDI**

**STRATEGIC/ ACTION PLAN 2024-25****MAJOR ACADEMIC TARGETS FOR THE ACADEMIC YEAR 2024-25**

1. To sign MOU with other institution.
2. To conduct regular Career Counselling and personality development class for students.
3. To conduct seminar on Research Methodology, IPR & NEP.
4. To conduct Skill Enhancement Programmes.

ACADEMIC ACTIVITIES**a) Schedule of Conference/Seminar / Workshop / IPR / Research Methodology / Entrepreneurship /Skill Development/ Patent filing/ Prototypes/Product Development**

Proposed Month	Event Type	Proposed Title	Coordinator
July	Seminar on Research Methodology	Importance of Research in Literature	Dr.Lija Achamma George
November	Seminar on NEP	Merits of NEP	Dr.Renji Koshy

b) Schedule of invited talk/ Guest talk / Alumni meeting / Talk with Alumni on any topic

Proposed Month	Event Type	Proposed Title	Coordinator
June	Talk with Alumni	Post Modernism in Hindi Literature	Dr.Rosy P.Varghese
August	Alumni Meeting		Dr.Renji Koshy
October	Guest Talk	Stress Management	Dr.Lija Achamma George
December	Guest Talk	Food & Nutrition	Dr.Laija P.J.
January	Guest Talk	Importance of World Hindi Day Celebration	Dr.Rosy P.Varghese

c) Schedule of Dept. Academic Fests / Exhibition / Other Events (Intra and Inter).

Proposed Month	Event Type	Proposed Title	Coordinator
June	Tree plantation(On behalf of Environment Day Celebration)		Dr.Renji Koshy
June	Essay writing competition on Environment		Dr.Renji Koshy
June	Poetry writing		Dr.Renji Koshy



	competition on Environment		
June	Photography competition on Environment		Dr.Renji Koshy
June	Reading week celebration	Treasure Hunt through Text	Dr.Rosy P.Varghese
July	Inauguration of Hindi Association	Talk on importance of Hindi	Dr.Lija Achamma George
July	Quiz Competition	Premchand Jayanthi- Quiz Competition	Dr.Laija P.J.
August	Photography Competition	'The active Eye' (Photography competition on World photography Day)	Dr.Laija P.J
September	Inauguration of Hindi Day	Hindi Day Celebration	Dr.Lija Achamma George
September	Inter Departmental	Inter Departmental Hindi Poetry Recitation Competition	Dr.Lija Achamma George
September	intra	Hindi Story writing competition	Dr.Lija Achamma George
September	Quiz	Hindi Quiz competition	Dr.Lija Achamma George
January	Talk	A Talk on Gender Equity	Dr.Rosy P.Varghese
February	Talk	Career Counselling	Dr.Renji Koshy

d) Capacity development and skill enhancement activities

Proposed Capacity development and skill enhancement activities aimed at improving:

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)
4. Awareness of trends in technology

Proposed Month	Event Type	Proposed Title	Coordinator
June	Life Skills	Relax with Yoga	Dr.Laija P.J.
September	Skill Enhancement Programme	Let's Talk Hindi	Dr.Renji Koshy
November	Life Skills	A talk on Health & Hygiene	Dr.Rosy P.Varghese
December	Language Development programme	A Talk on 'Hindi as an Official Language'	Dr.Lija Achamma George



CURRICULAR ASPECTS IN CONNECTION WITH MGU-UGP

- a. Number of value added / Add on/ certificate courses (Proposed) : Nil

TEACHING LEARNING AND EVALUATION

- a. Innovations in teaching and evaluation methods
- Corperative learning
 - Flipped Classroom
 - Inquiry based learning
 - Continous evaluation method for the evaluation process
- b. Student centric learning methods
- Experiential Learning
 1. Learning by doing
 - Participative learning
 1. Seminars
 2. Group discussion
 3. Role Play
 4. Assignments
- c. ICT enabled teaching/ e-content development
- INFLIBNET, e-Pathsala
 - SWAYAM ,NPTEL
 - Kahoot

RESEARCH, CONSULTANCY AND INNOVATION

- a. Number and title of research project proposals to be forwarded to the funding agencies- Nil
- b. Number and titles of research publications to be forwarded to the journals -9
- Yathra Sahitya Mein Ramdarash Mishra Ka Yogdan
 - Computer Aur Anuvad
 - Shailesh Matiyani Ka Upanyas : Ek Anuseelan
 - Ramkavya Nayak Ram(Ram Katha Geeth Mein Ram Ki Parikalpana
 - Hindi Bhasha Ka Ithihas Aur Vikas
 - Samkaleen Kavitha Mein Aadivasi Vimarsh
 - Chithra Mudgal Ka Upanyas 'Post Box No 203: Nalasopara' Mein Kinnar Vimarsh



- Nirmala Puthul Ki Kavithaom Mein Adivasi Vimarsh
 - Madan Mohan Malaviya
- c. Target area and agencies for Consultancy initiatives of the department – Nil
- d. MoUs / Collaborations/ linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training:
1. Department decided to sign MOU with other institution for student exchange and On-the-job training
- e. Number of FDPs/Refresher/Orientation Programmes proposed to be organized : Nil
- f. Innovation and incubation strategies- Nil

EXTENSION AND OUTREACH

- a. Extension/outreach Activities of the department : ' Ek Hath Sab Ke Sath'(An initiative for the support of financially backward students.)

COMMUNITY ENGAGEMENT AND GREEN INITIATIVES

- a. Mention community Engagement :
- Department decided to conduct classes on health& Hygiene programmes in rural areas in Pathanamthitta district
- b. Mention best practice of the department: Album preparation of Hindi writers with pictures drawn by students.

INFRASTRUCTURE DEVELOPMENT

- Smart Class Rooms
- Audio visual Theatre & Language lab
- Well equipped Research room

ANY OTHER RELEVANT INFORMATION TO ADD

FIVE YEAR FUTURE PLANS OF THE DEPARTMENT

1. To conduct Certificate Courses
2. To upgrade the department Library
3. To conduct job oriented training programme for students

Signature:

Seal:

**INTERNAL QUALITY ASSURANCE CELL (IQAC)
CATHOLICATE COLLEGE, PATHANAMTHITTA**



STRATEGIC/ ACTION PLAN 2024-25

DEPARTMENT: ECONOMICS



STRATEGIC/ ACTION PLAN 2024-25

MAJOR ACADEMIC TARGETS FOR THE ACADEMIC YEAR 2024-25

- 1. International Seminar on ‘Emerging trends in the Indian Economy’
- 2. Computer Lab for learning Statistical Software
- 3. Reference Materials to the students of M A Econometrics Programme and B A (Hons.) Programme
- 4. Placement drives
- 5. Workshop on Econometrics

ACADEMIC ACTIVITIES

a) Schedule of Conference/Seminar / Workshop / IPR / Research Methodology / Entrepreneurship /Skill Development/ Patent filing/ Prototypes/Product Development

Proposed Month	Event Type	Proposed Title	Coordinator
October	International Seminar	Emerging trends in the Indian Economy	Bejoy D Abraham
November	Workshop	Workshop on ‘R’	Bejoy D Abraham

b) Schedule of invited talk/ Guest talk / Alumni meeting / Talk with Alumni on any topic

Proposed Month	Event Type	Proposed Title	Coordinator
July	Talk with Alumni	Orientation Session	Bejoy D Abraham
September	Invited talk	Talk on Panel data	Bejoy D Abraham
December	Alumni Meeting	General Body	Bejoy D Abraham

c) Schedule of Dept. Academic Fests / Exhibition / Other Events (Intra and Inter).

Proposed Month	Event Type	Proposed Title	Coordinator
November	Interdepartmental Essay Writing Competition	Essay Writing Competition in association with Indian Constitution Day	Bejoy D Abraham

d) Capacity development and skill enhancement activities



Proposed Capacity development and skill enhancement activities aimed at improving:

- 1. Soft skills
- 2. Language and communication skills
- 3. Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)
- 4. Awareness of trends in technology

Proposed Month	Event Type	Proposed Title	Coordinator
August	Capacity development and skill enhancement activities	Language and communication skills	Bejoy D Abraham

CURRICULAR ASPECTS IN CONNECTION WITH MGU-UGP

- a. Number of value added / Add on/ certificate courses (Proposed) :NIL

TEACHING LEARNING AND EVALUATION

- a. ICT enabled teaching/ e-content development

RESEARCH, CONSULTANCY AND INNOVATION

- a. Number and title of research project proposals to be forwarded to the funding agencies
- b. Number and titles of research publications to be forwarded to the journals -4
- c. Target area and agencies for Consultancy initiatives of the department-
- d. MoUs / Collaborations/ linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training
 - 1.Centre For Budget Studies ,CUSAT,Cochin
 - 2. The International Institute of Migration and Development(IIMAD) ,Thiruvananthapuram
 - 3.SCIPY ,Thiruvananthapuram
- e. Number of FDPs/Refresher/Orientation Programmes proposed to be organized
- f. Innovation and incubation strategies- Nil

EXTENSION AND OUTREACH

- a. Extension/outreach Activities of the department
 - Socio economic survey**

COMMUNITY ENGAGEMENT AND GREEN INITIATIVES

- a. Mention community Engagement
 - Community Awareness Programme
- b. Mention best practice of the department



Economics Brigade
Book Bank System

INFRASTRUCTURE DEVELOPMENT

1. Two smart class rooms for I MA and II MA with proper seating arrangements
2. Well-equipped computer lab(Data Analysis lab) with 10 desk top computers
3. Seminar Hall cum reading room with proper seating arrangements
4. A well furnished Research Centre with WIFI, a Smart Board for presentations ,cupboards (4 Nos) and two Desk top computers .

ANY OTHER RELEVANT INFORMATION TO ADD

FIVE YEAR FUTURE PLANS OF THE DEPARTMENT

- To develop into a Research hub
- Collaborations with International Institutions
- Student exchange Programmes
- Internship for Undergraduate Students
- Consultancy Services

Head of the Department:

Signature:

Seal :

**INTERNAL QUALITY ASSURANCE CELL (IQAC)
CATHOLICATE COLLEGE, PATHANAMTHITTA**



**STRATEGIC/ ACTION PLAN 2024-25
DEPARTMENT: HISTORY**



STRATEGIC/ ACTION PLAN 2024-25

MAJOR ACADEMIC TARGETS FOR THE ACADEMIC YEAR 2024-25

- 1. Hundred Percent pass in U.G. and P.G.
- 2. Increase in placements
- 3. Development of History Museum
- 4. Training of students in AI and IT
- 5. Introduce new Certificate Course

ACADEMIC ACTIVITIES

a) Schedule of Conference/Seminar / Workshop / IPR / Research Methodology / Entrepreneurship /Skill Development/ Patent filing/ Prototypes/Product Development

Proposed Month	Event Type	Proposed Title	Coordinator
June	Seminar	Evolution of Earth and Man	Dr. Smitha Sara Padiyara
July	Workshop	Career Guidance for History Students	Boban Aloysius
August	Webinar	Kerala History	Dr. Smitha Sara Padiyara
September	Workshop	Research Methodology	Fr. Dr. Thomson Robi

b) Schedule of invited talk/ Guest talk / Alumni meeting / Talk with Alumni on any topic

Proposed Month	Event Type	Proposed Title	Coordinator
June	Guest Talk	“U-Turn”-Counselling to Parents and Students	Boban Aloysius
September	Alumni Meeting	“Golden Memories”	Fr. Dr. Thomson Robi

c) Schedule of Dept. Academic Fests / Exhibition / Other Events (Intra and Inter).

Proposed Month	Event Type	Proposed Title	Coordinator
August	Exhibition	“ History Expo”	Dr. Ansu R.

**d) Capacity development and skill enhancement activities**

Proposed Capacity development and skill enhancement activities aimed at improving:

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)
4. Awareness of trends in technology

Proposed Month	Event Type	Proposed Title	Coordinator
June	Workshop	Yoga for Students	Dr. Smitha Sara Padiyara
October	Workshop	Spoken English For Daily Use	Boban Aloysius
November	Workshop	Training in AI and IT	Dr. Ansu R.
December	Workshop	Training in DTP and Powerpoint	Dr. Anu R.

CURRICULAR ASPECTS IN CONNECTION WITH MGU-UGP

- a. Number of value added / Add on/ certificate courses (Proposed) :

Certificate Course – Kerala History for PSC (Co-ordinator- Boban Aloysius)

TEACHING LEARNING AND EVALUATION

- a. Innovations in teaching and evaluation methods - **ICT ENABLED TEACHING**
- b. Student centric learning methods- **PEER GROUP TEACHING**
- c. ICT enabled teaching/ e-content development – **Creating a Digital Repository for learning history, Starting a YouTube Channel for History students**

(Add additional subsections in accordance with the department's capacity)

RESEARCH, CONSULTANCY AND INNOVATION

- a. Number and title of research project proposals to be forwarded to the funding agencies - **2**
- b. Number and titles of research publications to be forwarded to the journals-**6**
- c. Target area and agencies for Consultancy initiatives of the department
- d. MoUs / Collaborations/ linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training – **Field Trips will be organised to historical sites.**



- e. Number of FDPs/Refresher/Orientation Programmes proposed to be organized
- f. Innovation and incubation strategies

EXTENSION AND OUTREACH

- a. Extension/outreach Activities of the department - **Local History writing in association with KCHR**

COMMUNITY ENGAGEMENT AND GREEN INITIATIVES

- a. Mention community Engagement – **planting trees in the campus with the help of community, donating books to community and libraries, taking history classes to Tribal school students, observances of days**
- b.* Mention best practice of the department - **Archaeological and Historical Survey in the locality.**

INFRASTRUCTURE DEVELOPMENT

ANY OTHER RELEVANT INFORMATION TO ADD

FIVE YEAR FUTURE PLANS OF THE DEPARTMENT- Development of Museum, Training students in AI and IT, Training in Local History writing, Strengthening the Alumni Forum

Head of the Department: Dr. Smitha Sara Padiyara

Signature:

Seal :

**INTERNAL QUALITY ASSURANCE CELL (IQAC)
CATHOLICATE COLLEGE, PATHANAMTHITTA**



STRATEGIC/ ACTION PLAN 2024-25
DEPARTMENT: COMMERCE



STRATEGIC/ ACTION PLAN 2024-25

MAJOR ACADEMIC TARGETS FOR THE ACADEMIC YEAR 2024-25

- 1. SECURE MORE UNIVERSITY RANKS
- 2. DEVELOP INNOVATIVE SKILLS
- 3. BUILD SUBJECT ORIENTED INTEREST
- 4. PROVIDE MORE CAREER OPPORTUNITIES
- 5. DEVELOP MORE RESEARCH SKILLS

ACADEMIC ACTIVITIES

a) Schedule of Conference/Seminar / Workshop / IPR / Research Methodology / Entrepreneurship /Skill Development/ Patent filing/ Prototypes/Product Development

Proposed Month	Event Type	Proposed Title	Coordinator
JULY	WORKSHOP	PAPER BAG AND FILE MAKING	DR.ANN NAISY JACOB
AUGUST	WORKSHOP	LED BULB MAKING	DR.MATHEW GEORGE
SEPTEMBER	SEMINAR	IPR	ANCY SAM
OCTOBER	SEMINAR	PROJECT ORIENTATION-PREPARATION	DR.VINOD K RAJU

b) Schedule of invited talk/ Guest talk / Alumni meeting / Talk with Alumni on any topic

Proposed Month	Event Type	Proposed Title	Coordinator
JULY	ALUMINI TALK	CAREER OPPORTUNITIES IN COMMERCE	DR KURIAKOSE V KOCHERIL
AUGUST	ALUMINI TALK	FINANCIAL LITERACY	DR MATHEW GEORGE
SEPTEMBER	ALUMINI TALK	PERSONALITY DEVELOPMENT	DR VINOD K RAJU
OCTOBER	ALUMINI TALK	LIFE LONG LEARNING	ANCY SAM
NOVEMBER	ALUMINI TALK	IMPORTANCE OF TIME MANAGEMENT	DR ANN NAISY JACOB
DECEMBER	ALUMINI TALK	BUILDING RESILIENCE	PRIYANKA GOPINATH
JANUARY	ALUMINI TALK	CULTIVATING AN ENTREPRENEURIAL MINDSET	PRINCY ROY



FEBRUARY	ALUMINI TALK	EMBRACING CHANGE	NANDU T NANDANAN
MARCH	ALUMINI TALK	GOAL SETTING	PALLAVI NANDAN

c) Schedule of Dept. Academic Fests / Exhibition / Other Events (Intra and Inter).

Proposed Month	Event Type	Proposed Title	Coordinator
NOVEMBER	EXHIBITION	COMMERCE EXHIBITION	DR ANN NAISY JACOB & DR VINOD K RAJU
JANUARY	NATIONAL LEVEL COMMERCE AND MANAGEMENT FEST	CATHCOMMERCIO 3.0	DR ANN NAISY JACOB

d) Capacity development and skill enhancement activities

Proposed Capacity development and skill enhancement activities aimed at improving:

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)
4. Awareness of trends in technology

Proposed Month	Event Type	Proposed Title	Coordinator
AUGUST	ENTREPRENEURIAL SKILL	MEET THE ENTREPRENEUR	DR VINOD K RAJU
OCTOBER	ENTREPRENEURIAL SKILL	MEET THE ENTREPRENEUR	DR ANN NAISY JACOB
DECEMBER	ENTREPRENEURIAL SKILL	MEET THE ENTREPRENEUR	DR VINOD K RAJU
FEBRUARY	ENTREPRENEURIAL SKILL	MEET THE ENTREPRENEUR	DR ANN NAISY JACOB
JULY	SOFT SKILL	SOFT SKILL DEVELOPMENT PROGRAM	DR MATHEW GEORGE

(Add additional subsections in accordance with the department's capacity)

CURRICULAR ASPECTS IN CONNECTION WITH MGU-UGP

- a. Number of value added / Add on/ certificate courses (Proposed) : 04



(Add additional subsections in accordance with the department's capacity)

TEACHING LEARNING AND EVALUATION

- a. Innovations in teaching and evaluation methods: ICT ENABLED TEACHING,
- b. Student centric learning methods: PEER TEACHING
- c. ICT enabled teaching/ e-content development :

(Add additional subsections in accordance with the department's capacity)

RESEARCH, CONSULTANCY AND INNOVATION

- a. Number and title of research project proposals to be forwarded to the funding agencies: NIL
- b. Number and titles of research publications to be forwarded to the journals; 10
- c. Target area and agencies for Consultancy initiatives of the department: BANKING AND TAX
- d. MoUs / Collaborations/ linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training: NIL
- e. Number of FDPs/Refresher/Orientation Programmes proposed to be organized:NIL
- f. Innovation and incubation strategies:NIL

(Add additional subsections in accordance with the department's capacity)

EXTENSION AND OUTREACH

- a. Extension/outreach Activities of the department
(Add additional subsections in accordance with the department's capacity)

SHARE TO CARE

BOOK DONATION TO BUILT A LIBRARY IN TRIBAL AREA

COMMUNITY ENGAGEMENT AND GREEN INITIATIVES

- a. Mention community Engagement
- b. Mention best practice of the department
(Add additional subsections in accordance with the department's capacity)

ECO CLUB ACTIVITIES

INFRASTRUCTURE DEVELOPMENT

ANY OTHER RELEVANT INFORMATION TO ADD

FIVE YEAR FUTURE PLANS OF THE DEPARTMENT

1. STUDENT EXCHANGE PROGRAM



- 2. COMMUNITY ADOPTION SCHEMES**
- 3. FOREIGN INTERSHIP**
- 4. INTERNATIONAL RESEARCH SKILL DEVELOPMENT PROGRAM.**
- 5. MOU AND COLLABORATIONS WITH INDUSTRIES.**

Signature:

Head of the Department: TISSY ERUTHICKAL

Seal :

**INTERNAL QUALITY ASSURANCE CELL (IQAC)
CATHOLICATE COLLEGE, PATHANAMTHITTA**



STRATEGIC/ ACTION PLAN 2024-25
DEPARTMENT: COMMERCE



STRATEGIC/ ACTION PLAN 2024-25

MAJOR ACADEMIC TARGETS FOR THE ACADEMIC YEAR 2024-25

- 1. SECURE MORE UNIVERSITY RANKS
- 2. DEVELOP INNOVATIVE SKILLS
- 3. BUILD SUBJECT ORIENTED INTEREST
- 4. PROVIDE MORE CAREER OPPORTUNITIES
- 5. DEVELOP MORE RESEARCH SKILLS

ACADEMIC ACTIVITIES

a) Schedule of Conference/Seminar / Workshop / IPR / Research Methodology / Entrepreneurship /Skill Development/ Patent filing/ Prototypes/Product Development

Proposed Month	Event Type	Proposed Title	Coordinator
JULY	WORKSHOP	PAPER BAG AND FILE MAKING	DR.ANN NAISY JACOB
AUGUST	WORKSHOP	LED BULB MAKING	DR.MATHEW GEORGE
SEPTEMBER	SEMINAR	IPR	ANCY SAM
OCTOBER	SEMINAR	PROJECT ORIENTATION-PREPARATION	DR.VINOD K RAJU

b) Schedule of invited talk/ Guest talk / Alumni meeting / Talk with Alumni on any topic

Proposed Month	Event Type	Proposed Title	Coordinator
JULY	ALUMINI TALK	CAREER OPPORTUNITIES IN COMMERCE	DR KURIAKOSE V KOCHERIL
AUGUST	ALUMINI TALK	FINANCIAL LITERACY	DR MATHEW GEORGE
SEPTEMBER	ALUMINI TALK	PERSONALITY DEVELOPMENT	DR VINOD K RAJU
OCTOBER	ALUMINI TALK	LIFE LONG LEARNING	ANCY SAM
NOVEMBER	ALUMINI TALK	IMPORTANCE OF TIME MANAGEMENT	DR ANN NAISY JACOB
DECEMBER	ALUMINI TALK	BUILDING RESILIENCE	PRIYANKA GOPINATH
JANUARY	ALUMINI TALK	CULTIVATING AN ENTREPRENEURIAL MINDSET	PRINCY ROY



FEBRUARY	ALUMINI TALK	EMBRACING CHANGE	NANDU T NANDANAN
MARCH	ALUMINI TALK	GOAL SETTING	PALLAVI NANDAN

c) Schedule of Dept. Academic Fests / Exhibition / Other Events (Intra and Inter).

Proposed Month	Event Type	Proposed Title	Coordinator
NOVEMBER	EXHIBITION	COMMERCE EXHIBITION	DR ANN NAISY JACOB & DR VINOD K RAJU
JANUARY	NATIONAL LEVEL COMMERCE AND MANAGEMENT FEST	CATHCOMMERCIO 3.0	DR ANN NAISY JACOB

d) Capacity development and skill enhancement activities

Proposed Capacity development and skill enhancement activities aimed at improving:

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)
4. Awareness of trends in technology

Proposed Month	Event Type	Proposed Title	Coordinator
AUGUST	ENTREPRENEURIAL SKILL	MEET THE ENTREPRENEUR	DR VINOD K RAJU
OCTOBER	ENTREPRENEURIAL SKILL	MEET THE ENTREPRENEUR	DR ANN NAISY JACOB
DECEMBER	ENTREPRENEURIAL SKILL	MEET THE ENTREPRENEUR	DR VINOD K RAJU
FEBRUARY	ENTREPRENEURIAL SKILL	MEET THE ENTREPRENEUR	DR ANN NAISY JACOB
JULY	SOFT SKILL	SOFT SKILL DEVELOPMENT PROGRAM	DR MATHEW GEORGE

(Add additional subsections in accordance with the department's capacity)

CURRICULAR ASPECTS IN CONNECTION WITH MGU-UGP

- a. Number of value added / Add on/ certificate courses (Proposed) : 04



(Add additional subsections in accordance with the department's capacity)

TEACHING LEARNING AND EVALUATION

- a. Innovations in teaching and evaluation methods: ICT ENABLED TEACHING,
- b. Student centric learning methods: PEER TEACHING
- c. ICT enabled teaching/ e-content development :

(Add additional subsections in accordance with the department's capacity)

RESEARCH, CONSULTANCY AND INNOVATION

- a. Number and title of research project proposals to be forwarded to the funding agencies: NIL
- b. Number and titles of research publications to be forwarded to the journals; 10
- c. Target area and agencies for Consultancy initiatives of the department: BANKING AND TAX
- d. MoUs / Collaborations/ linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training: NIL
- e. Number of FDPs/Refresher/Orientation Programmes proposed to be organized:NIL
- f. Innovation and incubation strategies:NIL

(Add additional subsections in accordance with the department's capacity)

EXTENSION AND OUTREACH

- a. Extension/outreach Activities of the department

(Add additional subsections in accordance with the department's capacity)

SHARE TO CARE

BOOK DONATION TO BUILT A LIBRARY IN TRIBAL AREA

COMMUNITY ENGAGEMENT AND GREEN INITIATIVES

- a. Mention community Engagement
- b. Mention best practice of the department

(Add additional subsections in accordance with the department's capacity)

ECO CLUB ACTIVITIES

INFRASTRUCTURE DEVELOPMENT

ANY OTHER RELEVANT INFORMATION TO ADD

FIVE YEAR FUTURE PLANS OF THE DEPARTMENT

1. STUDENT EXCHANGE PROGRAM



- 2. COMMUNITY ADOPTION SCHEMES**
- 3. FOREIGN INTERSHIP**
- 4. INTERNATIONAL RESEARCH SKILL DEVELOPMENT PROGRAM.**
- 5. MOU AND COLLABORATIONS WITH INDUSTRIES.**

Signature:

Head of the Department: TISSY ERUTHICKAL

Seal :

**INTERNAL QUALITY ASSURANCE CELL (IQAC)
CATHOLICATE COLLEGE, PATHANAMTHITTA**



STRATEGIC/ ACTION PLAN 2024-25

DEPARTMENT: POST GRADUATE AND RESEARCH DEPARTMENT OF PHYSICS



STRATEGIC/ ACTION PLAN 2024-25

MAJOR ACADEMIC TARGETS FOR THE ACADEMIC YEAR 2024-25

1. Implementation of additional add-on programmes related with Python Data Science / AI / Machine Learning
2. Community extension programme based on assembling and maintenance of LED light and tube by adopting a nearby village CDC unit
3. Outreach activities for students on collaborations with schools, colleges and MOU signed institutions.

ACADEMIC ACTIVITIES

a) Schedule of Conference/Seminar / Workshop / IPR / Research Methodology / Entrepreneurship /Skill Development/ Patent filing/ Prototypes/Product Development

Proposed Month	Event Type	Proposed Title	Coordinator
August	Skill Development programme	“ LED bulb and tube Making and its maintenance”	Dr. Soosen Samuel M & Asitha C Nair
October	Conference	Lecture on “ Nano science”	Dr. Raneesh B
November	Seminar	Seminar on “ Research ethics/ IPR/Patent filing”	Jini K Jose
January	Workshop	“ Physics in Martial arts”	Anoop P.D

b) Schedule of invited talk/ Guest talk / Alumni meeting / Talk with Alumni on any topic

Proposed Month	Event Type	Proposed Title	Coordinator
July	Invited talk	“ importance of Moon day”	Dr. Achamma George
August	Invited talk	“ Wild life photography”	Sibi Chandran C S
November	Talk with Alumni	“Patent Filing”	Jini K Jose
December	Alumni Meeting	“ Retrace-2024”	Dr. Raji Koshy & Dr.Karthika S.
February	Invited talk	“Science day theme-2025”	Dr. Karthika S.

c) Schedule of Dept. Academic Fests / Exhibition / Other Events (Intra and Inter).

Proposed Month	Event Type	Proposed Title	Coordinator
June	Interdepartmental competition	“ Review based on Malayalam novel”	Dr. Annop. P.D
July	Interdepartmental	Quiz Competition based on Moon day	Sibichandran C S
August	Interdepartmental	“ Photography competition”	Sajith Babu S



November	Interdepartmental	Film fest & Film review competition	Dr. George Thomas
February	Interdepartmental	PowerPoint presentation competition based on moon day theme	Asitha C Nair Achamma George

d) Capacity development and skill enhancement activities

Proposed Capacity development and skill enhancement activities aimed at improving:

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)
4. Awareness of trends in technology

Proposed Month	Event Type	Proposed Title	Coordinator
July	Career counselling	“ Physics and aligned area”	Dr. Raji Koshy Sajith Babu S
September	Language and communication skills	“ Training on Python for Data Science”	Dr. George Thomas
January	Life skill-Physical Fitness	“ Training for self defence through the programme - Physics in Martial arts”	Dr. Anoop P.D

(Add additional subsections in accordance with the department's capacity)

CURRICULAR ASPECTS IN CONNECTION WITH MGU-UGP

- a. Number of value added / Add on/ certificate courses (Proposed) :
 1. Add on course in “ Computer technology”- Course Coordinator: Dr. Achamma George
 2. Certificate Course in “ Python for Data science”- Course Coordinator:
 3. Certificate course on “ Artificial Intelligence”- Course Coordinator:
 4. Certificate course on “Machine Learning” - Course Coordinator:

(Add additional subsections in accordance with the department's capacity)

TEACHING LEARNING AND EVALUATION

- a. Innovations in teaching and evaluation methods

Innovation in Teaching

1. Handson training programmes to students for the repairing of household electronic Equipments
2. Maintenance and recycling of electronic apparatus
3. Add on courses to students for getting knowledge of python, C++ computer programming skill.

Innovation in Evaluation methods



1. In evaluation process, micro module test in alternate working days
 2. Updating of internal assessment diary for every classes
- b. Student centric learning methods
1. Peer group teaching method
 2. Through Scholar hub programme, Students get an opportunity to present in new physics topics to their peer groups and this is done in collaboration with CMS college Kottayam.
 3. Field visit to nationally reputed institutions
 4. Internship training
- c. ICT enabled teaching/ e-content development
1. YouTube content preparation of lectures
 2. Content translation of NPTEL lectures
- (Add additional subsections in accordance with the department's capacity)*

RESEARCH, CONSULTANCY AND INNOVATION

- a. Number and title of research project proposals to be forwarded to the funding agencies
 - 1, Waste thermal energy harvesters with SMA and Piezo/Pyro-electric Thin Layers
 - b. Number and titles of research publications to be forwarded to the journals
 - 1, **Intriguing Bi³⁺ Doped NiFe₂O₄ Spinel Structured Nanoparticles: A Comprehensive Study on Optical, Magnetic, Magnetoelectric Properties and Defect Characterization**
 - c. Target area and agencies for Consultancy initiatives of the department
 - d. MoUs / Collaborations/ linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training
 - e. Number of FDPs/Refresher/Orientation Programmes proposed to be organized
 - f. Innovation and incubation strategies
- (Add additional subsections in accordance with the department's capacity)*

EXTENSION AND OUTREACH

- a. Extension/outreach Activities of the department

The Advanced Materials Lab of the Physics Department provides a PE loop tracer system to measure the electrical behaviour of ferroelectric materials for external user samples. An analysis fee of Rs 500 per sample is collected as an instrument maintenance fund.

(Add additional subsections in accordance with the department's capacity)



COMMUNITY ENGAGEMENT AND GREEN INITIATIVES

- a. Mention community Engagement
Community Extension programme on “ Manufacturing and maintenance of LED Bulb and Tubes” by Adopting nearby Grama panchayath CDS units
Lightening Alert system through Damini software in association with NCESS Thiruvananthapuram: To detect lightening alerts nearby Pathanamthitta.
- b. Mention best practice of the department
In a bid to empower women residing in rural areas and enhance their skills in sustainable technology, the Department of Physics at Catholicate College, in collaboration with Indira Gandhi Open University, organized a workshop and training session on assembling and maintenance of LED lamps. The overarching goal of this initiative was to equip village women with practical skills that not only contribute to their economic independence but also promote environmentally friendly practices.
(Add additional subsections in accordance with the department's capacity)

INFRASTRUCTURE DEVELOPMENT

ANY OTHER RELEVANT INFORMATION TO ADD

FIVE YEAR FUTURE PLANS OF THE DEPARTMENT

Signature:

Head of the Department:

Seal :



**INTERNAL QUALITY ASSURANCE CELL (IQAC)
CATHOLICATE COLLEGE, PATHANAMTHITTA**

STRATEGIC/ ACTION PLAN 2024-25

POSTGRADUATE AND RESEARCH DEPARTMENT OF CHEMISTRY



STRATEGIC/ ACTION PLAN 2024-25

MAJOR ACADEMIC TARGETS FOR THE ACADEMIC YEAR 2024-25

- 1. Active learning strategies:** Implementing active learning techniques such as virtual lab, flipped classrooms, inquiry-based learning, Skill based certificate courses, mentorship for online courses and collaborative projects with industry and academic institutions to enhance the student understanding and retention of chemical concepts.
- 2. Graduate and Post graduate Research opportunity:** Providing opportunities for students to engage in research projects, either within the department or through collaborations with faculty members of other institutions. Measures to upgrade the research laboratory and encourage students to join research program leading to PhD
- 3. Assessment and Evaluation:** Implementing robust assessment methods to measure student learning outcomes and continuously evaluate the effectiveness of teaching strategies and curriculum changes in line with the new B.Sc. chemistry honours programme .
- 4. Community outreach and Engagement:** Engaging with the local community and school students through outreach programs, such as summer camps, workshops, and popularizing the department flagship programs viz. Chemistry Lecture Series and ChemSpark to promote interest in chemistry.
- 5. Alignment with the Institutional Goals:** Ensuring that the goals and objectives of the chemistry department align with the broader vision, mission and strategic priorities of the college and university.

ACADEMIC ACTIVITIES

a) Schedule of Conference/Seminar / Workshop / IPR / Research Methodology / Entrepreneurship /Skill Development/ Patent filing/ Prototypes/Product Development

Proposed Month	Event Type	Proposed Title	Coordinator
June	National Conference	Energy Materials and Environment	Dr Aswathy Joseph
September	Workshop	IPR	Dr Jinu P Y

**b) Schedule of invited talk/ Guest talk / Alumni meeting / Talk with Alumni on any topic**

Proposed Month	Event Type	Proposed Title	Coordinator
October	Alumni Lecture	Spectroscopic Techniques	Dr Thomas Abraham
August	Invited Talk	Narcotic Drugs and Psychotropic Substances	Dr Princy Susan Koshy

c) Schedule of Dept. Academic Fests / Exhibition / Other Events (Intra and Inter).

Proposed Month	Event Type	Proposed Title	Coordinator
November	Exhibition for high school and Higher secondary students	Innovative Techniques in Chemistry	Dr Sneha Jose E

d) Capacity development and skill enhancement activities

Proposed Capacity development and skill enhancement activities aimed at improving:

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)
4. Awareness of trends in technology

Proposed Month	Event Type	Proposed Title	Coordinator

CURRICULAR ASPECTS IN CONNECTION WITH MGU-UGP

- a. Number of value added / Add on/ certificate courses (Proposed) : 02

TEACHING LEARNING AND EVALUATION

- a. Innovations in teaching and evaluation methods
 - a. Interactive lectures
 - b. Virtual learning
 - c. Microlearning
 - d. Project based learning
 - e. Blended learning



- f. Peer Assessment
- g. Formative Assessment
- h. Digital Assessment tools
- b. Student centric learning methods
 - a. Practical hours
 - b. Interaction with experts and scientists
 - c. Student smart teaching
 - d. Association programs
 - e. Industry visits and training programs
 - f. Experiential Learning
- c. ICT enabled teaching/ e-content development
Google classrooms ,MS teams, Power point presentations

RESEARCH, CONSULTANCY AND INNOVATION

- a. Number and title of research project proposals to be forwarded to the funding agencies: 02
- b. Number and titles of research publications to be forwarded to the journals: 07
- c. Target area and agencies for Consultancy initiatives of the department:
- d. MoUs / Collaborations/ linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training
 - Hands on training programme for PG/UG Students on the manufacturing of Rubber based products at CFSC Changanaserry
 - MoUs with a) St. Albert’s College, Ernakulam, b) CFSC , Govt. of Kerala, changanassery, c) Integrated Rural Technology Centre, Palakkad d) Science Centre, Thrissur and e) AKAY Natural Ingredients Pvt. Ltd
- e. Number of FDPs/Refresher/Orientation Programmes proposed to be organized: 01
- f. Innovation and incubation strategies
Encourage students to develop and generate new ideas

EXTENSION AND OUTREACH

- a. Extension/outreach Activities of the department
 - Extension programme for high school and higher secondary students- CHEMSPARK
 - Hands-on training on Rubber based products in collaboration with CFSC



- Hands-on training on Ecofriendly cosmetics in association with St Alberts College, Ernakulam

COMMUNITY ENGAGEMENT AND GREEN INITIATIVES

a. Mention community Engagement

June-2024	Community Engagement activity as soft skills “ <i>familiarizing Toilet soap making and other cosmetic/beauty products</i> ” for the inmates of Prakashadhara School for differently Abled in association with the Department of Chemistry, St. Albert’s college, Autonomous, Ernakulam.
September-2024	A one-day workshop and Hands-on training on “Soap making, Cosmetics and Other beauty-based products for the members of the Vallicode grama Panchayath Kudumbasree Units, CDS.
November-2024	A one-day workshop on “Microscale Experimental Techniques as part of Departmental Green initiatives to control and curb wastage and excessive use of hazardous chemicals thereby safeguarding green ecosystem.
January-2025	A one-day orientation to the NGO bodies near and far, creating awareness in handling and recycling wastes (organic and Plastic) ensuring a safer environment ahead as part of green initiatives.

b. Mention best practice of the department

- Promoting planting trees as per the logo “one faculty, one tree “in the campus”.
- Creating and sharing the immediate need of preserving green environment through handling classes on environment and safety.
- Reduce the use of plastic based products in the day-to-day activities of the department by switching over to green and ecofriendly products.
- Encouraging and educate students to reuse and reduce the waste expulsion by judiciously planning the reuse of glass wares and other lab-based products.

FIVE YEAR FUTURE PLANS OF THE DEPARTMENT

Short Term Plans

- Renovation Of Research Centre
- New Certificate Course on Ecofriendly Cosmetics
- Organizing International Seminar by Dec- Jan
- More Institution-Industry Collaborations
- Addition Of Books in Department Library
- More Smart Class Rooms



Long Term Plans

- International Quality Research Centre
- Digitalization Of Department Library
- Initializing a Research Journal for Department
- Scaling of our Student Innovation Products

Signature:

Head of the Department: Dr Saino Hanna Varghese

Seal

**INTERNAL QUALITY ASSURANCE CELL (IQAC)
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STRATEGIC/ ACTION PLAN 2024-25
DEPARTMENT: MATHEMATICS



STRATEGIC/ ACTION PLAN 2024-25

MAJOR ACADEMIC TARGETS FOR THE ACADEMIC YEAR 2024-25

- 1. Encourage and support student research projects
- 2. Foster Student engagement through clubs, events and research opportunities.
- 3. Encourage faculty and students in participation in conferences and collaborations
- 4. Equip students with proficiency in mathematical software tools
- 5. Enhancing school students’ analytical skills and computational capabilities by extension activities

ACADEMIC ACTIVITIES

a) Schedule of Conference/Seminar / Workshop / IPR / Research Methodology / Entrepreneurship /Skill Development/ Patent filing/ Prototypes/Product Development

Proposed Month	Event Type	Proposed Title	Coordinator

b) Schedule of invited talk/ Guest talk / Alumni meeting / Talk with Alumni on any topic

Proposed Month	Event Type	Proposed Title	Coordinator
June	Invited Talk	National Statistics Day 2024	Manju John
July	Invited Talk	Orientation for D1 students	Saira Kurian
September	Invited Talk	Talk with Alumni	Dr Beena Koshy
Every month	Invited Talk	Student talk Series	Saira Kurian
January	Invited Talk	Career Guidance	Deepa Susan Oommen
	Alumni Meet	Meet 2024	Dr Beena Koshy, Manju John
March	Invited talk	Pi Day and Merit Day	Saira Kurian

**c) Schedule of Dept. Academic Fests / Exhibition / Other Events (Intra and Inter).**

Proposed Month	Event Type	Proposed Title	Coordinator
July	Poster Presentation Competition	Pi Approximation Day	Tessymol Abraham
August	Quiz Competition	All Kerala Mathematics Talent Search 2024	Deepa Susan Oommen
December	Inter Departmental Quiz Competition	National Mathematics Day	Saira Kurian
February	Inter Departmental Powerpoint presentation Competition	National Science Day	Dr Beena Koshy

d) Capacity development and skill enhancement activities

Proposed Capacity development and skill enhancement activities aimed at improving:

1. Soft skills : **Blissfull mind- Counselling Session**
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)
4. Awareness of trends in technology

Proposed Month	Event Type	Proposed Title	Coordinator
August	Workshop	Workshop on LaTeX	Deepa Susan Oommen

(Add additional subsections in accordance with the department's capacity)

CURRICULAR ASPECTS IN CONNECTION WITH MGU-UGP

- a. Number of value added / Add on/ certificate courses (Proposed) : certificate course-1

*(Add additional subsections in accordance with the **department's** capacity)*



TEACHING LEARNING AND EVALUATION

- a. Innovations in teaching and evaluation methods:

Formative Assessment, Google Classroom, Google Form, Project Based Learning, Presentation, Internship

- b. Student centric learning methods :

Peer group teaching, Project Based Learning, Case study, Problem Based Learning, Invention Activities, Group test

- c. ICT enabled teaching/ e-content development :

Digital Text book, Google Classroom, Moodle, Enrich students with Online Mathematics assignment, Providing Online Journals and Magazines, Video Conferencing, Provide Computer Lab with WiFi facility, Webinar

(Add additional subsections in accordance with the department's capacity)

RESEARCH, CONSULTANCY AND INNOVATION

- a. Number and title of research project proposals to be forwarded to the funding agencies
- b. Number and titles of research publications to be forwarded to the journals
- c. Target area and agencies for Consultancy initiatives of the department
- d. MoUs / Collaborations/ linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training
- e. Number of FDPs/Refresher/Orientation Programmes proposed to be organized:
- f. Innovation and incubation strategies

(Add additional subsections in accordance with the department's capacity)

EXTENSION AND OUTREACH

- a. Extension/outreach Activities of the department :

All Kerala Mathematics Talent Search Quiz Competition for Higher Secondary Students

(Add additional subsections in accordance with the department's capacity)



COMMUNITY ENGAGEMENT AND GREEN INITIATIVES

- a. Mention community Engagement : **Offering an extension programme in Vedic Mathematics which provides an opportunity to delve deeper into the subject and catering to diverse learning needs and interest. These classes cover problem solving skills, mathematical reasoning and critical thinking.**
- b. Mention best practice of the department :
 - **Collaborate with external agencies for environmental protection to implement effective conservation and sustainability initiatives.**
 - **Establish programmes to enrich research attitude in students to nurture critical thinking, curiosity and innovation**

(Add additional subsections in accordance with the department's capacity)

INFRASTRUCTURE DEVELOPMENT

ANY OTHER RELEVANT INFORMATION TO ADD

FIVE YEAR FUTURE PLANS OF THE DEPARTMENT

- **Project based Student Exchange**
- **Education for income initiative**
- **Research projects for Faculty**
- **Internship for UG and PG students**
- **Career Orientation programme**
- **Important Day Observance/Celebrations**
- **National/International Conferences**
- **Workshop on AI tools**
- **Certificate Courses**
- **Student talk Series**
- **Talk with Alumni**
- **E-content development**
- **MoU**
- **Competitive exam coaching**
- **Orientation programmes**



- **Encourage students to complete MOOC courses**

Signature:

Head of the Department:

Seal :

**INTERNAL QUALITY ASSURANCE CELL (IQAC)
CATHOLICATE COLLEGE, PATHANAMTHITTA**



STRATEGIC/ ACTION PLAN 2024-25

DEPARTMENT: BOTANY

**STRATEGIC/ ACTION PLAN 2024-25****MAJOR ACADEMIC TARGETS FOR THE ACADEMIC YEAR 2024-25**

1. Industrial and Academic Collaborations
2. Student start ups
3. Student exchange programme
4. Academic workshop for Teaching and Non Teaching Staff
5. Invited and awareness talk
6. Skill development training

ACADEMIC ACTIVITIES**a) Schedule of Conference/Seminar / Workshop / IPR / Research Methodology / Entrepreneurship /Skill Development/ Patent filing/ Prototypes/Product Development**

Proposed Month	Event Type	Proposed Title	Coordinator
August	Conference	Exploring the Power of Microalgae for a Healthier, Sustainable Future	Prof. Binoy T Thomas
October	Workshop	Algal Taxonomy	Prof. Binoy T Thomas
November	workshop	Terrarium making	Hima KS
December	Workshop	Herbarium Technique for Non Teaching Staff	Dr. Thomas VP

b) Schedule of invited talk/ Guest talk / Alumni meeting / Talk with Alumni on any topic

Proposed Month	Event Type	Proposed Title	Coordinator
June	Invited Talk	Talk with Alumni	Dr. Deepthi A S
July	Invited Talk	Talk with Alumni	Dr. Deepthi A S
August	Invited talk	First aid and general safety	Dr. Nisha Joseph
September	Invited Talk	Talk with Alumni	Dr. Deepthi A S
October	Alumni Meet	Annual Alumni Meet	Dr. Deepthi A S
November	Invited Talk	EK Janaki Ammal Memorial Lecture	Dr. Thomas VP
December	Invited Talk	Talk with Alumni	Dr. Deepthi A S
January	Invited Talk	Talk with Alumni	Dr. Deepthi A S
February	Invited Talk	Talk with Alumni	Dr. Deepthi A S
March	Invited Talk	Talk with Alumni	Dr. Deepthi A S



c) Schedule of Dept. Academic Fests / Exhibition / Other Events (Intra and Inter).

Proposed Month	Event Type	Proposed Title	Coordinator
June	Interdepartmental	Interdepartmental vegetable carving competition as part of "National eat your vegetables day"	Tinu Thomas
June	Environment day	Orchid Conservation-connecting people with Nature	Dr. Gokul G. Nair
September	Ozone day	Interdepartmental competition	Dr. Gokul G. Nair
December	Exhibition	Plants around us	Dr. Thomas VP

d) Capacity development and skill enhancement activities

Proposed Capacity development and skill enhancement activities aimed at improving:

1. Soft skills- Nil
2. Language and communication skills- Nil
3. Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)-
Employment and entrepreneurial skills- Prof. Binoy T. Thomas
4. Awareness of trends in technology- Nil

CURRICULAR ASPECTS IN CONNECTION WITH MGU-UGP

- a. Number of value added / Add on/ certificate courses (Proposed) :
 1. Certificate Course on Mushroom cultivation- Tinu Thomas
 2. Certificate course on Fruit Preservation –Dr. Deepthi AS

TEACHING LEARNING AND EVALUATION

- a. Innovations in teaching and evaluation methods
- b. Student centric learning methods- outdoor learning and field studies
- c. ICT enabled teaching/ e-content development

RESEARCH, CONSULTANCY AND INNOVATION

- a. Number and title of research project proposals to be forwarded to the funding agencies: Nil
- b. Number and titles of research publications to be forwarded to the journals: 9
 1. Diversity of Black Mildew causing fungi-1 by Dr. Gokul G Nair
 2. Diversity of Black Mildew causing fungi-2 by Dr. Gokul G Nair



3. Anti-genotoxicity evaluation of Jackfruit by Dr. Nisha Joseph
 4. Natural dyes by Dr. Nisha Joseph
 5. Taxonomic revision of Genus *Wurfbainia* by Dr. Thomas VP
 6. Fruit morphology of genus *Amomum* by Dr. Thomas VP
 7. Isolation and Characterization of Melanin from the Commercially Available Edible Mushrooms- Dr. Deepthi AS
 8. The Influence of Geographical and Seasonal Factors on the Endophytic Fungal Assemblage in Velamen Roots of *Rhynchostylis retusa* (L.) Blume - Dr. Deepthi AS
 9. The Impact of Sacred Groves on Local Climate: A Study in Idukki District- Dr. Deepthi AS
 10. Therapeutic potentials of green microalgae- Prof. Binoy T Thoms
 11. Taxonomic studies of Terrestrial microalgae- Prof. Binoy T Thoms
- c. Target area and agencies for Consultancy initiatives of the department
1. Kerala State Biodiversity Board
 2. State Medicinal Plant Board
- d. MoUs / Collaborations/ linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the-job training
1. Royal Botanic Garden, Kew, UK
 2. Govt Engineering College, Barton Hill, Trivandrum
 3. Indiana University
 4. Bhaskaracharya College of Applied Sciences , New Delhi
 5. Medicinal Plants Board (SMPB) Kerala
 6. Kerala Biodiversity Board
 7. Field trip for B.Sc. and M.Sc. students
- e. Number of FDPs/Refresher/Orientation Programmes proposed to be organized- Nil
- f. Innovation and incubation strategies

EXTENSION AND OUTREACH

- a. Extension/outreach Activities of the department
 1. Mushroom cultivation
 2. Orchid conservation in selected schools and public places

COMMUNITY ENGAGEMENT AND GREEN INITIATIVES

- a. Mention community Engagement



1. Save Sacred Groves- Biodiversity conservation action plan for school students and local community
 2. Harithapunarjani Programme-Planting of rare plants in public places
 3. Nomenclature Club- QR code labelling in schools and public places
- b. Mention best practice of the department
Nurturing the Alumni- Students Relationship

INFRASTRUCTURE DEVELOPMENT

1. Establishment of Medicinal plant garden with the aid of state Medicinal Plant Board
2. Establishment of Model Ethnobotanical Garden with the aid of Kerala State Biodiversity Board

ANY OTHER RELEVANT INFORMATION TO ADD

FIVE YEAR FUTURE PLANS OF THE DEPARTMENT

1. **To provide teaching, learning support** for the benefit of advanced and average learners. Excellent support will be provided to Research scholars for the better scientific output.
2. **Student support centre:** To ensure equity and inclusion, special and remedial classes, Guidance and training will be given to slow learners. This will ensure equity and inclusion so that all students can thrive in the education system as envisaged in NEP 2020.
3. **Student Engagement:**
Certificate Courses: Offer certificate courses on emerging topics like Nanoscience. Students can accumulate credits through these courses in the Academic Bank of Credit system.
4. **Establishment of Co-incubation centre for R and D:** Assistance will be given to students, research scholars and teachers for developing proto types and products for the benefit of society. Also intended to initiate startup ecosystem in the campus. R & D support will also be given for patent filing.
 - **Start-Up Incubation Centers:** Establish incubation centers within the college or research center. These centers can support student and faculty-led startups, fostering innovation and entrepreneurship.
 - **Technology Development Centers:** Create centers focused on technology development and research in frontier areas. Encourage collaboration between industry and academia.



- **Industry-Academic Linkages:** Strengthen ties with industries and businesses. Collaborate on research projects, internships, and skill development programs.
- 5. **Establishment of training centers** for plant tissue culture, nursery management, Floriculture, mushroom cultivation. Students and socially backward people of nearby areas will be benefitted and help them to uplift their economic status.
- 6. **Instrumentation Training-** herbarium techniques and instrumentation workshop will be given to PG, Research students and Lab assistants from different colleges.
- 7. **Faculty Development:**
Master Trainers: Identify faculty members as master trainers who can guide others in implementing NEP-related changes. These trainers can participate in policy formulation and execution at the university level.
Training Programs: Organize workshops and training sessions for faculty on NEP principles, innovative teaching methods, and research-oriented approaches.

Signature:

Head of the Department:

Seal :

**INTERNAL QUALITY ASSURANCE CELL (IQAC)
CATHOLICATE COLLEGE, PATHANAMTHITTA**



STRATEGIC/ ACTION PLAN 2024-25
DEPARTMENT: ZOOLOGY



STRATEGIC/ ACTION PLAN 2024-25

MAJOR ACADEMIC TARGETS FOR THE ACADEMIC YEAR 2024-25

- 1.
- 2.
- 3.
- 4.
- 5.

ACADEMIC ACTIVITIES

a) Schedule of Conference/Seminar / Workshop / IPR / Research Methodology / Entrepreneurship /Skill Development/ Patent filing/ Prototypes/Product Development

Proposed Month	Event Type	Proposed Title	Coordinator
August	Workshop	Research Methodology	Liji Koshy
September	Seminar	National seminar	Dr.Kiran Joseph

b) Schedule of invited talk/ Guest talk / Alumni meeting / Talk with Alumni on any topic

Proposed Month	Event Type	Proposed Title	Coordinator
December	Alumni meeting		Liji Koshy

c) Schedule of Dept. Academic Fests / Exhibition / Other Events (Intra and Inter).

Proposed Month	Event Type	Proposed Title	Coordinator
November and February	Training for Fast learners	Bright Minds Training (webinars)	Sany Mary Benjamin

d) Capacity development and skill enhancement activities

Proposed Capacity development and skill enhancement activities aimed at improving:

1. Soft skills



**Career Guidance Course in Life Sciences – Faculty from Research World, Cochin
Resume writing**

- 2. Language and communication skills

Writing in Sciences Course – Self paced courses for selected students

- 3. Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)

Proposed Month	Event Type	Proposed Title	Coordinator
July	Job oriented training	Apiculture Workshop in association with KHADI - CHAS	Anusha Merin Wilson

- 4. Awareness of trends in technology

Proposed Month	Event Type	Proposed Title	Coordinator
June / July	Introductory course on Computer languages	Python (webinar)	Sany Mary Benjamin

(Add additional subsections in accordance with the department's capacity)

CURRICULAR ASPECTS IN CONNECTION WITH MGU-UGP

- a. Number of value added / Add on/ certificate courses (Proposed) :

Proposed Month	Event Type	Proposed Title	Coordinator
December	Life skill Training based on FYUGP syllabus	Ornamental Fish breeding course	Susan K Wilson

- b.

(Add additional subsections in accordance with the department's capacity)

TEACHING LEARNING AND EVALUATION

- a. Innovations in teaching and evaluation methods
- b. Student centric learning methods : **Vermicompost unit management, Apiculture ,Ornamental Fish Breeding, Bird Club**



c. ICT enabled teaching/ e-content development

(Add additional subsections in accordance with the department's capacity)

RESEARCH, CONSULTANCY AND INNOVATION

a. Number and title of research project proposals to be forwarded to the funding agencies : **At least one proposal to be forwarded. Agency and proposal to be finalized**

Proposed Month	Agency from which fund is sought	Proposed Title of Proposal	Coordinator

b. Number and titles of research publications to be forwarded to the journals : **One publication by each faculty .Titles and journals to be send should be decided**

Proposed Month	Research journal to which article to be sent	Paper Title	Author

c. Target area and agencies for Consultancy initiatives of the department

d. MoUs / Collaborations/ linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training

Proposed Month	Agency to which student exchange is planned	Proposed Area of Training	Coordinator
July	AVVM Sreepushpam College,Poondi,Tanjavoor	Hands on Training in Basic Biotechnological techniques	Dr Kiran Joseph

e. Number of FDPs/Refresher/Orientation Programmesproposed to be organized

f. Innovation and incubation strategies

(Add additional subsections in accordance with the department's capacity)



EXTENSION AND OUTREACH

a. Extension/outreach Activities of the department

Proposed Month	Outreach activity	Associating Agency	Coordinator
December	Medical Camp	Health Department	Susan K Wilson

b.

c.

(Add additional subsections in accordance with the department's capacity)

COMMUNITY ENGAGEMENT AND GREEN INITIATIVES

a. Mention community Engagement

Proposed Month	Outreach activity	Associating Agency	Coordinator
December	Vector Monitoring of Pathanamthitta District	Health Department	Dr Kiran Joseph

b. Mention best practice of the department

(Add additional subsections in accordance with the department's capacity)

1. Bird club
2. Ornamental fish breeding centre
3. Maintenance of Butterfly garden

INFRASTRUCTURE DEVELOPMENT

ANY OTHER RELEVANT INFORMATION TO ADD

FIVE YEAR FUTURE PLANS OF THE DEPARTMENT

1. To establish a biotechnology laboratory.
2. To start a new post graduation course in Marine and Coastal management (specialization subject to change)

Signature:

Head of the Department:

Seal :



CERTIFICATE

We hereby certify that the information provided in this Annual Report for the academic year 2023-24 is accurate, complete, and reflective of the academic, administrative, and institutional activities carried out by Catholicate College, Pathanamthitta. This report has been prepared following due process, and it adheres to the standards and guidelines set forth by relevant educational authorities.



Dr. George Thomas
IQAC COORDINATOR



DR. SINDU JONES
Principal
Catholicate College
Pathanamthitta-689 644

Dr. Sindu Jones
PRINCIPAL



