



MES COLLEGE MARAMPALLY

NAAC Reaccredited with A+ (CGPA: 3.38)

Aided College Affiliated to Mahatma Gandhi University Kottayam

ACADEMIC AUDIT REPORT 2021-22



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Academic Audit Report 2021-22

Date: 09 & 10 June 2022

As per the quality parameters, an Academic Audit was conducted for the year on June 09 and 10, 2022 based on the criterion of the National Assessment and Accreditation Council covering all academic activities of the College. The main objective of this audit was to determine the presence and adequacy of quality benchmarks across various parameters as stipulated by the NAAC. As per IQAC instructions, all departments were required to prepare a list of files and registers, which were then verified by two external auditors, the IQAC coordinator, and the Principal during their visits to each department.

Audit Team

SI No	Name	Designation and Address
1	Prof (Dr) Cini Kurian	Principal, Al-Ameen College, Edathala, Aluva, Ernakulam, Kerala
2	Prof. (Dr). Milon Franz	Principal, St. Xavier's College for Women, Aluva, Ernakulam, Kerala
3	Dr. Jasmine P M	IQAC Coordinator
4	Dr. Ajims P Muhammed	Principal



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1. Profile of the College

M.E.S. College Marampally is a government-aided college affiliated with Mahatma Gandhi University, Kottayam, established in the year 1995. The College has been re-accredited by NAAC with an A+ Grade (CGPA: 3.38). The campus is located in a rural area between the towns of Aluva and Perumbavoor, set in salubrious lush green surroundings in close vicinity of the river Periyar and proximate to Cochin International Airport.

The governance and the management of the college are anchored in the principles of the Muslim Educational Society (Regd.), Calicut which is one of the largest minority educational agencies in Kerala. The establishment facilitated new directions in the field of higher education by offering a significant number of vocational (Model II) and technical programmes in tune with the demands of the job market. The introduction of UGC-launched B. Voc. programmes bolsters its mission statement **to promote higher and technical education**. The larger enrollment of girls and minority students authenticates the institutional commitment towards equity and inclusion. Quality education is imparted to improve the life standards of people in general, minorities and backward classes in particular.

The College offers Nineteen UG Programmes: Bachelor of Computer Applications (B.C.A.), B.Sc. Electronics, Bachelor of Business Administration (B.B.A.), B.Com. (Model II Computer Applications), B.Com. (Model I Finance and Taxation), B.Sc. Biotechnology, B.Sc. Microbiology, B.Sc. Physics (Model II Computer Applications) B.Sc. Mathematics (Model II Computer Science), B.A. English Literature, Communication, and Journalism (Three Main) B.A. Arabic Language and Literature (Model II), B.Sc. Psychology, B. Voc. Logistics Management, B.Voc. Animation and Graphic Design, B.Voc. Software Development and System Administration, B.Voc. Fashion Design and Management, B. Voc. Industrial Instrumentation and Automation, B.Voc Tourism Administration and Hospitality and B.Voc Advanced Course in Multi Sports and Fitness Training and Ten Post Graduate programmes viz. M.Sc. Biotechnology, M.Sc. Electronics, M.Com., M.Sc. Microbiology, M.Sc. Biochemistry, M.A. English Language and Literature, M.Sc. Computer Science, MA (HRM), M.Sc. Physics and M.Sc Psychology, an Integrated M.Sc Programme in Basic Sciences-Chemistry, One Ph.D. programme in Biotechnology. Leadership, commitment, and stakeholder participation is the hallmark of the Institution. The faculty members

strive hard for professional development to impart advanced levels of knowledge to the students. The physical infrastructure and human resources promote ICT friendly teaching-learning process and entrepreneurial ecosystem. Parent Teacher Association, Alumni, various clubs, and forums work in tandem to implant academic attributes and humanistic values among students. The Institution also gives due importance to the integration of research with academic activities and ensures a dynamically symbiotic student-neighborhood community relationship.

2. Academic Audit 2021-22

Academic Audit is an integral part of the dynamics of higher education to achieve and maintain academic excellence. The Internal Quality Assurance Cell conducted a department-wide academic audit during the second week of June 2022. The Academic Audit ensures continuous evaluation and quality improvement with the sustenance of best practices of the different academic programs.

2.1 Objectives of Academic Audit

- To evaluate the overall performance of departments
- To update/enrich the curriculum, teaching, learning, and evaluation methods.
- To ensure the quality of teaching, learning, and evaluation methods to attain the utmost student satisfaction
- To check whether the action plan of the departments is materialized as per the schedule
- To identify the weaker areas of the departments and put forward suggestions for improvement

2.2 Audit Report of Departments

2.2.1 Department of Arabic

Strength of the Department

- Dr. Abdul Azeez V.M, Associate Professor has been nominated as the Chairman of the Academic Committee of Sree Narayana Guru Open University, Kollam.
- The department has signed an MoU with MES College Mampad and collaborations with ARabnet and Gulf Arabic Consultancy

Areas of Improvement

- The department can conduct certificate courses in Basic Arabic, Spoken Arabic etc. for the students of other departments who wish to go to Middle east countries for jobs. Student enrolment in the certificate course is only 35%. Ensure that all the students complete at least one certificate course in the year.
- The pass percentage of the students is very low. Provide remedial coaching, peer teaching with the best students, etc. to bring the results to at least 80%.
- Faculty members must attain PhD and publish papers in journals, and present papers in conferences/seminars.
- The Arabic department can do consultancy in translation to the Arabic language. Also travel guides for Arabs who visit Kerala.
- The language lab must be upgraded with 30 systems and accessories
- Different capacity-building programs have to be provided to students to increase placements. Progression to higher studies is also very low.
- Conduct different sessions with the help of alumni for the benefit of students.

2.2.2 Department of Biosciences

Strength of the Department

- The faculty-student ratio is 1:16; individual attention can be given to students
- Dr. Umesh B T is the chairperson of the BoS of Biotechnology, Mahatma Gandhi University, and Dr. Ally C Antony is a member of the BoS of Microbiology of Mahatma Gandhi University
- Nasreen of S6 B.Sc. MBMicrobiology and Elizabeth Paul S4 M.Sc. Microbiology selected

for an international conference with a scholarship worth 250 dollars. (Carolyn Leighton scholarship for APAC Women in Tech International. WITI-27th Global Summit from 22-24 June 2021).

- Developed e-content. Uploaded 59 videos on YouTube and 219 Audio classes prepared using Screencastomatic and Kine master
- Two student projects sanctioned by KSCSTE
- Department upgraded to the research department and Dr. Manzur Ali P P, and Dr. Umesh B T have been awarded Guideship by Mahatma Gandhi University
- A good number of research publications in high-impact factor/UGC-listed international journals
- Collaborative programs with St. Alberts College of Autonomous, Ernakulam

Areas of Improvement

- Student enrolment in the certificate course is less than 10%. The department must take the initiative to complete at least one certificate course in the year per student
- Many of the students enroll for NPTEL courses; only less than 10% complete the courses
- The pass percentage of Biotechnology programs is good; the Pass percentage of other programs needs to be improved
- Though there are three PG programmes in the department, no publications from students. All PG students must be given special training programs from the beginning of the programs for publishing research articles. Special sessions on NET coaching is to be arranged.
- Though the average pass percentage is 80%; students getting placement and progressing to Higher Studies are only less than 50%
- Though we have a recognized water quality analysis laboratory, the number of tests performed is less
- Conduct workshops on areas like tissue culture, mushroom cultivation for Kudumbasree women, etc.

2.2.3 Department of Business Administration

Strength of the Department

- Adv. Mohan Raj T P served as resource person/session chair in 6 different events. Also published a textbook titled “Constitutional Law of India” for the B.Tech Degree Courses affiliated with Kerala Technological University with an ISBN 978-93-90930-75-3.
- Published an e-magazine to showcase the talents of students during the pandemic period

Areas of Improvement

- No certificate courses conducted by the department. Student enrolment in certificate courses is also nil.
- The research contribution of the department is very low. Only two conference publications and no journal publications
- The pass percentage of the students is only 68%. Provide remedial coaching, peer teaching with the best students, etc. to bring the results to at least 90%
- Appreciates the effort taken by the department to conduct mock MAT. Do follow-ups for getting the students to score high marks in the entrance examinations
- All the faculty members may submit project/conference/seminar proposals to funding agencies
- Conduct placement drives on the campus to get the BBA students placed in different companies. Also, arrange different sessions for equipping the students for getting placements
- Students must be encouraged to present the project work in seminars/conferences organized by other institutions

2.2.4 Department of Computer Applications

Strength of the Department

- Dr. Leena C Sekhar is a member of BoS (UG) of Mahatma Gandhi University and Mr. Jasir M P is a member of BoS (PG) of Mahatma Gandhi University and BoS (UG) of Calicut University
- Two funded projects (19.6 lakhs) from NPOL, DRDO. Congratulations Dr. R Murugan and Lt. Ibrahim Salim M
- The department could earn Rs. 30,000/- as consultancy

Areas of Improvement

- Appreciates the efforts of the department in enrolling the students in certificate courses like Spoken Tutorial by IIT Mumbai and NPTEL courses. The department should ensure 100 % participation of the students (UG &PG) in one or the other certificate courses through the tutors
- The department may arrange certificate courses in basic programming/website development for the benefit of the students of other departments
- The research contribution of the department is very low. PG students must be given special training to make sure of at least one journal/ conference publication during the two years. Faculty members may take a keen interest in publishing at least one journal paper in an academic year
- Arrange special programmes for the placement of students. Take steps to increase the placements to 50%
- Conduct more programmes related to gender equity, IPR, Research Methodology, Environment, Human values, etc.
- BCA students must be motivated to present papers in conferences/seminars.
- More skill development programmes to be initiated
- Introduce value-added courses like IoT, Blockchain Technology, Data Analytics, Artificial Intelligence, Cloud Computing, etc.
- Encourage more students to clear NET and JRF
- Submit project proposals to DST, KSCSTE, ICSSR, etc.
- Student grievances and their redressal should be documented at the earliest

2.2.5 Department of Commerce

Strength of the Department

- Conducted several webinars
- Released 5 student e-magazines

Areas of Improvement

- Introduce suitable strategies to improve the pass percentage to 90%
- Conduct more programmes to increase the placements
- Bring more collaborations and MoUs to the department
- Faculty must publish at least one paper in an academic year in Scopus/UGC care journals. Encourage PG students to publish their project works in UGC journals or present at international conferences
- International conferences can be organized
- NET coaching with the expertise of eminent faculties to make more PG students to clear NET and JRF.
- Special initiatives are to be made to bring funds to the department. Submit proposals for projects, conferences, workshops, etc. to government or non-government bodies.
- Library usage of students to be increased.
- Conduct more programmes related to gender equity, IPR, Research Methodology, Environment, Human values, etc.
- The department must ensure 100 % participation of the students (UG &PG) in one or the other certificate courses through the tutors

2.2.6 Department of Electronics

Strength of the Department

- Five University level ranks
- FDP in association with IEEE APS Kerala chapter
- Six journal publications

Areas of Improvement

- The decreased rate of student enrollment in UG and PG programmes is to be noticed with utmost care. Devise different strategies to make the programmes attractive to increase the enrollment rate
- The pass percentage of UG and PG programme is very low. Take utmost care in improving the pass percentage

- Special initiatives are to be made to bring funds to the department. Submit proposals to DST, UGC, KSCSTE, etc. for projects, conferences, workshops, etc.
- Resume the technical extension activity and conduct other activities with the involvement of more students
- Publish the projects done by all PG students in Scopus/UGC care journals
- Give more practical exposure to students and encourage students to do their own circuits from the first semester onwards.
- Take special care for the placement of more students
- Working MoU with Government organizations like Keltron, and Companies like V-Guard, Hykon, etc.
- Take necessary steps to enroll more students in add-on programmes. The department must ensure 100 % participation of the students (UG & PG) in one or the other certificate courses through the tutors
- Introduce value-added courses like IoT, Embedded systems, CCNA, etc. Students, especially PG students are encouraged to do NPTEL courses. Encourage more students to clear NET and JRF
- Conduct more programmes related to gender equity, IPR, Research Methodology, Environment, Human values, etc.
- As energy conservation is very important in the current scenario, the department should arrange different programs to make the students and the public aware of conserving energy

2.2.7 Department of English

Strength of the Department

- Salama Ali of first year BA English got first prize in the Cultural Poetry Writing Competition, English in the M G University Youth festival

Areas of Improvement

- The results of UG and PG are very low. Adopt suitable techniques to improve the pass percentage to at least 80%
- Make effective use of Language labs
- Only one byline in the current academic year. Students may be encouraged to publish bylines in newspapers
- Bring more collaborations and MoUs to the department

- Organize International conferences/Seminars and intercollegiate competitions
- Design certificate courses to improve the language skills of students from other departments.
- Encourage more students to do NPTEL courses
- Special NET coaching sessions are to be organized to encourage more students to clear NET and JRF
- Conduct add-on programmes on Digital Marketing, Content writing, etc. The Department must ensure 100 % participation of the students (UG & PG) in one or the other certificate courses through the tutors
- Library usage of students to be increased.
- Teachers need to participate in more FDPS
- Conduct more programmes related to gender equity, IPR, Research Methodology, Environment, Human values

2.2.8 Department of Physics Strength of the Department

- Appreciate the effort taken by Dr. Benjamin Hudson Baby and Ms. Taniya Pearl E R in publishing papers in journals and conference proceedings. Three Conference publications by MSc Physics students
- Conducted two programs in Property Rights and one program in Research Methodology
- Two resource persons with a high profile in ICHT 2022.

Areas of Improvement

- As the number of students enrolling in BSc Physics is declining every year, take necessary steps to make the course attractive by giving additional courses, workshops, conferences, etc.
- As energy conservation is very important in the current scenario, the department should arrange different programs to make the students and the public aware of conserving energy.
- As the student-teacher ratio is 13:1, individual attention can be given to the students to improve the University exam results/placements/progression. PG students must be encouraged to submit proposals to various Government agencies for internships
- Conduct a NET coaching training program for PG students by inviting resource persons.

- Conduct 30 hours certificate course in Basic Physics for the students of other departments who are preparing for different general competitive examinations

2.2.9 Department of Mathematics Strength of the Department

- Appreciates the efforts taken by the department in conducting Mathematics in You (Season 7, Intercollegiate Event), Kanakkum Kaaryavum (Season 5, Technical Extension Activity), and Blooming Masters (Season 5, competitions for Higher Secondary school students)

Areas of Improvement

- The result of the students is very poor. Take urgent actions to improve the results.
- Conduct certificate courses like basic mathematics for the students of other departments who are preparing for competitive examinations.
- Conduct more programs in the neighboring higher secondary schools to create an interest in Mathematics from the school level
- Teachers are requested to attend various conferences/workshops to keep them updated with the current trends and applications of mathematics, especially in Information Technology.
- Observe days of importance like National Science Day, Mathematics Day, Pi Day, etc.

2.2.10 Human Resource Management

Strength of the Department

- Student-Teacher ratio is 5:1.
- 100% result
- Certificate Course on Enterprise Resource Planning, which was completed by 47 students
- Campus Placement Drive with Departments' Initiative

Areas of Improvement

- Research Contribution by the department is very low. All the faculty members must publish in at least one UGC care journal. Even if the faculty members are doing research in other institutions, they must include the name of MES College Marampally in the author affiliation

- All the students must publish their project work in journals/conference publications. Special training should be given throughout the course period to equip the students for publications
- Though the students are getting jobs after their studies; placements during the course period are less. Take necessary steps to place entire students during the course period itself
- All the students must enroll for at least one NPTEL course during each semester
- Try to generate income through consultancy services

2.2.11 Animation and Graphic Design

Strength of the Department

- 100% Results in the NSDC Assessments.
- Student-centric activities and projects
- 9 MoUs with different design and animation companies.

Areas of Improvement

- Student enrollment in Certificate courses is very low. Take steps to enroll all the students in the certificate course. Design certificate courses for the students of other departments
- Faculty members may create more e-contents by using the studio floor facility and encourage faculty members from other departments too
- The results are somewhat good. Take necessary steps to bring the results to 90%
- Specific career orientation sessions are to be organized for students

2.2.12 Software Development and System Administration

Strength of the Department

- Twelve MoUs with different companies
- Appreciate the efforts taken by the students in presenting papers in the monthly paper presentations of the Research Promotion Council

Areas of Improvement

- Though the department had conducted a certificate course, only 19 students enrolled, and out of which only 4 students completed the course. Design courses not only for your students; but also for the students of other departments. Enroll at least 60% of the students in certificate programs and

ensure that all the students complete the course

- The pass percentage of the 2018 admission students is very poor. Take necessary steps to increase the pass percentage. Adapt strategies like remedial teaching, peer teaching, etc.
- As the programme is vocational in nature, you can offer good consultancy services like website development
- As the programme is emphasized practicals, more students must be encouraged to get placements. Take measures to get placements to the passed-out students
- Students must be encouraged to publish their project works in UGC care journals and present papers at National/International Conferences. Faculty members must publish at least one paper in UGC care listed journal
- Conduct extension activities like doing e-commerce, using online services, etc. for the Kudumbasree women in association with Panchayath

2.2.13 Fashion Design and Management

Strength of the Department

- PRISM, Faculty Exchange Program in association with Vimala College, Thrissur
- Earned Rs. 42769/- through consultancy
- Najeena Niyas P N and Sufana Mariyam TA of third-year B.Voc FDM reached the state-level finalists for YIP 2020.

Areas of Improvement

- As many of the students are interested in fashion-related courses, certificate courses can be offered to the students of other departments. Ensure that at least 100 students enroll in different certificate programs conducted
- The pass percentage of the students is very low. Take necessary steps to elevate the result to 75%. Results of NSDC exams are also very low. Also, take measures to decrease the dropout rate
- The number of books in the library is very less. Prepare a list of books needed for reference and take the necessary steps to purchase them
- Conduct different training programs on embroidery, stitching, etc. for the Kudumbasree women to equip them for self-employment
- Conduct markets in association with the ED club for selling the goods prepared by students

2.2.14 Industrial Instrumentation and Automation

Strength of the Department

- Developed disinfectant Robot and weather monitoring station
- Consultancy services to repair the equipment of different laboratories of MES College Marampally

Areas of Improvement

- Student enrollment is declining year by year. Conduct orientation programs in neighboring schools to make them aware of the opportunities of the Industrial Instrumentation and Automation programme. Conduct activities/ programs other than those mentioned in the syllabus for the benefit of students
- Though 19 students enrolled for the certificate course, Virtual Instrumentation Studio Package, only 2 students completed the course. Take necessary steps to enroll entire students in different certificate courses and ensure that every student is completing the course successfully
- The results of students are very low. Take necessary steps to improve the results
- Appreciates the efforts taken to have different consultancy programs. Please specify the amount earned by the consultancy
- Conduct different orientation programs/workshops to increase the placement of students
- Conduct more programs on IPR and entrepreneurship

2.2.15 Logistics and Management

Strength of the Department

- The results of NSDC examinations are good

Areas of Improvement

- Add on course on Diploma in Logistics Management is conducted. Only 16 students registered and only 6 completed the course. As logistics management is one of the promising areas in the job market, certificate courses should be organised for the benefit of students from other departments and ensure that at least 100 students complete the certificate course
- The pass percentage of the students is very low. Take immediate measures to improve the results
- Only one student presented a paper in the monthly paper presentations

conducted by the Research Promotion Council. Ensure at least 10% of the students present papers in seminars/conferences

- Income generation must be encouraged from consultancy
- Ensure that all the passed-out students are either placed/ joined for higher studies

2.2.16 Multi Sports and Fitness Training

Strength of the Department

- Ten MoUs and Collaborations
- Mr. Haneefa K G successfully passed the International Referee examination organized by the International Kurash Association in Tajikistan from 18 to 23 March 2022
- Conducted practical fitness sessions as part of Roshini Summer Camp at Govt. UP School Binanipuram and Govt. U P School, Vazhakkulam

Areas of improvement

- The certificate course, Yoga for Wellness, is very much attractive in the current scenario. But the number of students enrolled is only 40. Try to enroll students from all the departments to enroll the course; as the course will help the overall development of students
- Only 45 books are in the library. Prepare a list of books and take the necessary steps to purchase the same
- Conduct special training programs/workshops to ensure the placement of students in the final year

2.2.17 Tourism and Hospitality Management

Strength of the Department

- Student-centric activities and projects

Areas of Improvement

- The department offers two certificate courses: Event Management, Travel and Tourism. Number of students enrolled is only 26, which is very low. Circulate the course announcement to all the students of the college and ensure at least 35 students in each course

- The number of MoUs is very low. Try to collaborate with more industries; as it will benefit students
- Identify one of the neighboring tourist spots, that are unexplored, prepare a proposal, and submit it to the local self Government

2.2.18 Department of Psychology

Strength of the Department

- Students presented papers in RPC monthly presentations and conferences
- Conducted a research methodology workshop

Areas of Improvement

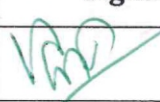

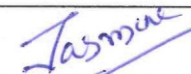
- Take measures to publish the projects done by all PG students in UGC care journals. Special sessions on Research methodology, research article writing, etc. to be provided to students from the first semester onwards. Encourage UG students to present papers at conferences
- Library usage of students to be increased.
- Associate with NCC and NSS with more extension programmes (emphasis on differently abled/marginalized)
- Bring more collaborations and MoUs to the department
- Arrange NET coaching classes in association with the PG association of our college by inviting experts for PG students
- Try to have an association with NCPRT – National Centre for Parenting Research and Training
- Conduct more programmes related to gender equity, IPR, Research Methodology, Environment, Human values, etc.
- Departments should ensure 100 % participation of the students (UG &PG) in one or the other certificate courses through the tutors
- The department may arrange special counseling classes for the faculty members of our college to equip them for handling a variety of students

2.3 Conclusion


The Academic Audit Report for the year reflects a comprehensive evaluation of the various departments, highlighting both their strengths and areas for improvement. The Institution has demonstrated a commitment to providing quality education, particularly in vocational and technical fields, to a diverse student body. The report underscores the importance of upgrading infrastructure, fostering industry partnerships, and integrating skill development programs to align with market demands. Suggestions for curriculum enrichment, faculty development, and student support services are also provided to ensure continuous improvement in academic standards and overall student satisfaction.

In essence, the Academic Audit Report serves as a roadmap for MES College Marampally to reinforce its position as a center of academic excellence, fostering a conducive environment for holistic learning, research, and professional growth. Through strategic interventions and collaborative efforts, the Institution can address the identified areas of improvement and further strengthen its standing in the higher education landscape.

Verified by

Sl No	Name	Designation	Signature
1	Prof (Dr) Cini Kurian	Principal	
2	Prof. (Dr). Milon Franz	Principal	
3	Dr. Jasmine P M	IQAC Coordinator	




PRINCIPAL
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MES COLLEGE MARAMPALLY

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