



MES COLLEGE MARAMPALLY

NAAC Reaccredited with A+ (CGPA: 3.38)

An ISO 9001:2015 Certified Institution

Aided College Affiliated to Mahatma Gandhi University Kottayam

ACADEMIC AUDIT REPORT

2022-23



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Academic Audit Report 2022-23

Date: 27 & 28 June 2023

As per the quality parameters, an Academic Audit was conducted for the year on June 27 and 28, 2023 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

Sl. 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

1. Profile of the College

M.E.S. College Marampally, founded in 1995, stands as a noteworthy institution in the educational landscape. Affiliated with Mahatma Gandhi University, Kottayam, and backed by the principles of the Muslim Educational Society (Regd.), Calicut, the College earned re-accreditation from NAAC with an impressive A+ Grade (CGPA: 3.38) in 2019. Nestled in a serene rural setting between Aluva and Perumbavoor, its scenic campus is surrounded by lush greenery, with the Periyar River flowing nearby and the convenience of being in proximity to the Cochin International Airport.

The college has been at the forefront of innovation in higher education, introducing a range of vocational (Model II) and technical programs to meet the evolving demands of the job market. The inclusion of UGC-launched B.Voc. programs further exemplifies its commitment to promoting higher and technical education.

The institution's dedication to equity and inclusion is evident in its diverse enrollment of girls and minority students. The college aims to elevate life standards, particularly for minorities and backward classes, by imparting quality education. Offering a comprehensive array of programs, M.E.S. College provides 19 undergraduate programs, 10 postgraduate programs, an Integrated M.Sc. program, and two Ph.D. programs, demonstrating a commitment to academic excellence and research integration.

The institution's leadership is characterized by a strong sense of commitment and active stakeholder participation. Faculty members continually strive for professional development to ensure the delivery of advanced knowledge to students. The physical infrastructure and human resources are geared towards creating an ICT-friendly teaching and learning environment, fostering an entrepreneurial ecosystem.

Collaborative efforts involving the Parent-Teacher Association, Alumni, and various clubs contribute to instilling both academic prowess and humanistic values among students. The institution places significant emphasis on integrating research with academic activities, establishing a symbiotic relationship between students and the local community. In essence, M.E.S. College Marampally is not just an educational institution; it is a dynamic hub fostering holistic development and community engagement.

2. Academic Audit

Engaging in Academic Audit is a crucial facet of the vibrant higher education landscape, essential for attaining and upholding academic brilliance. This endeavor is not merely a routine check; it is a dynamic process fostering continuous assessment, perpetual enhancement, and the perpetuation of the finest academic practices across diverse programs. At the heart of our commitment lies the assurance of academic excellence, ensuring that each facet of our educational offerings is met and consistently surpassed.

2.1 Objectives of Academic Audit

- Evaluate departmental performance comprehensively.
- Enhance curriculum, teaching, learning, and evaluation methods.
- Ensure teaching quality, learning effectiveness, and evaluation methods to optimize student satisfaction
- Verify the implementation of departmental action plans according to the schedule
- Evaluate the competence and professional development of faculty members
- Evaluate the effectiveness of support services for students, including counseling, library resources, and academic advising
- Encourage feedback mechanisms for various stakeholders, including students, faculty, and employers, and a responsive approach to address challenges
- Identify departmental weaknesses and provide measures for improvement
- Use audit results to prepare strategic planning for the future

2.2 Audit Report of Departments

2.2.1 Department of Arabic

Strength

- Academic collaborations with R. U. A. College Kozhikode, Farook College, Kozhikode, and MES Mampad College
- Mr. Sharafudheen C A, Assistant Professor, is a member of the Arabic Language International Council, Beirut
- Observed International Arabic Day with Abdul Qader Ahmed Abdulla Al Hamzi, Department of Arabic, Sana'a University, Yeman as resource person

Suggestions

- The department may offer Arabic certificate courses for students seeking opportunities in the Middle East.
- Ensure every student of the department completes at least one certificate course for enhanced linguistic and cultural skills
- The pass percentage of the students is meager. Provide remedial coaching, peer teaching with best students, etc., to bring the results to at least 80% and ensure University Ranks
- Faculty members must publish papers in journals and also present papers at conferences/seminars.
- The Arabic department can do consultancy in translation to the Arabic language. Also, they can act as travel guides for Arabs who visit Kerala.
- Different capacity-building programs have to be provided to students to increase placements. Progression to higher studies is also significantly less. Students must be provided with career orientation sessions by experts
- Conduct language workshops on Arabic grammar, vocabulary building, and conversational skills
- Organize workshops on Arabic calligraphy, allowing students to learn the art of beautiful writing in Arabic script
- Arrange literary readings where students can recite and discuss Arabic poetry and prose
- Organise debates and discussions in Arabic, encouraging students to express themselves on various topics in the language

2.2.2 Department of Biosciences

Strength

- Received Skill Vigyan Partnership programme in Biotechnology by KSCSTE to Dr. Manzur Ali P P
- Dr. Umesh B T and Dr. Ally C Antony are members of BoS, Mahatma Gandhi University
- Dr. Rubeena published three papers in reputed journals during 22-23
- 6 of the faculty members submitted book chapters to Elsevier

Suggestions

- Faculty may acquire a Ph.D. immediately. Only six out of nineteen faculty members have a PhD
- All the PG students must do at least one NPTEL course in each semester
- Organize field trips to botanical gardens, wildlife sanctuaries, ecosystems, or research institutions to provide students with real-world exposure
- Invite experts in the field of biosciences to deliver lectures on cutting-edge research, emerging trends, and career opportunities in biosciences.
- Encourage students to undertake small-scale research projects, either individually or in groups, fostering critical thinking and research skills.
- Introduce projects related to biotechnology applications, genetic engineering, and other biotech innovations.
- Organize science exhibitions, students can showcase their research projects, models, and findings to the broader college community.
- Host debates and discussions on ethical issues in biosciences, such as cloning, genetic modification, and environmental conservation.
- Collaborate with local schools or communities to conduct science outreach programs, sharing knowledge and creating awareness about biosciences
- Initiate a journal club where students review and discuss recent research papers, fostering critical analysis and scientific communication skills.
- Engage students in projects focused on biodiversity conservation, ecosystem restoration, and sustainable practices.
- Encourage students to participate in science olympiads and competitions to test and enhance their knowledge and problem-solving skills
- Organize events where students communicate scientific concepts to a non-specialist audience, improving their science communication skills

2.2.3 Department of Business Administration

Strength

- Conducted ICSSR-sponsored International Conference
- Extension activities for the benefit of the Govt. U P School students
- Different sessions with Alumni

Suggestions

- Orient the students for campus placements so that at least 50% of the students may get placements
- Students may be given special training sessions for entrepreneurship, and at least three may begin startups in MetaValley TBI
- Provide special training for selected students to get admissions in IIMs and Central Universities
- Best students may be oriented towards University ranks
- Apply for funded projects from ICSSR
- The department may take special initiative in organizing an exhibition cum sale of student-made products once a month by incorporating entire students on campus
- Faculty may publish papers in reputed journals
- As the University regulation for research centers is changed, the department must apply for a research center
- Provide counseling sessions for needy students
- Organize business plan competitions where students can develop and present their entrepreneurial ideas.
- Use business simulation games to provide students with a virtual experience of managing a business and making strategic decisions.
- Conduct workshops focused on leadership development, team dynamics, and effective collaboration in a business setting.
- Encourage students to conduct research and present their findings in symposia related to business and management.
- Engage students in CSR projects, encouraging them to apply business principles to address social and environmental issues
- Offer opportunities for students to pursue professional certifications relevant to business administration (e.g., project management, digital marketing).

2.2.4 Department of Computer Applications

Strength

- The department upgraded to research department
- University ranks for BCA
- Students got prizes in hackathons conducted by various reputed institutions

Suggestions

- All faculty members may acquire PhD immediately
- Those who have a PhD may apply for a guideship
- Orient the students for campus placements so that at least 50% of the students may get placements
- As many of the students are opting for MCA, after BCA, convene special sessions for the students to qualify for entrance examinations to be admitted in reputed institutions
- Students may be given special training sessions for entrepreneurship, and at least two or three may begin startups in MetaValley TBI
- As many of the students are interested in programming languages like Python, introduce certificate courses for the benefit of the students of other departments.
- Try to collaborate with MNCs for campus placements
- All the PG students must do at least one NPTEL course in each semester
- As the curriculum revision was done only in 2017, courses that are much more important in the current scenario are missing; organize seminars/conferences/workshops to reduce the gap
- Provide workshops on VR and AR development, introducing students to immersive technologies.
- Arrange technology fairs where students and faculty can showcase their research and projects to the college community and industry professionals.
- Assign projects involving artificial intelligence and machine learning, allowing students to explore data-driven solutions.
- The thesis submitted by PG students may get published in Scopus journals

2.2.5 Department of Commerce

Strength

- Students' contribution towards outreach programmes is appreciated
- Completed more than 2000 coursera certificate courses in 2022-23
- More than 90% of the students completed add-on/certificate courses

Suggestions

- Faculty may try to publish papers in UGC care journals and conferences
- The thesis submitted by PG students may get published in journal or at least as a conference proceedings
- Students must be given special training for placements
- Submit proposals to ICSSR for international conferences
- The department may organize workshops on topics like Income tax filing for the staff members
- Best students may be given special training to obtain University ranks
- As the University regulation for research centre is changed, the department must apply for a research centre
- All the PG students must do at least one NPTEL course in each semester
- Students may be given special training sessions for entrepreneurship, and at least two or three may begin startups in MetaValley TBI
- The department may take special initiative in organizing an exhibition cum sale of student-made products once a month
- Ensure the outcome of the NET coaching programme

2.2.6 Department of Electronics

Strength

- Appreciate the efforts of faculty and students in participating and being the runner-ups in the Smart India Hackathon held at Certurion University, Odissa
- 100% result for MSc Electronics with I, III and X ranks
- I, II, III, and V ranks in the BSc Electronics examination

Suggestions

- Faculty may publish papers in UGC care journals
- The thesis submitted by PG students may get published in journal or at least as a conference proceedings
- The department must ensure at least 70 % participation of the students in one or the other certificate courses through the tutors
- As the curriculum revision was done only in 2017, courses that are much more important in the current scenario are missing; organize seminars/conferences/workshops to reduce the gap
- All the PG students must do at least one NPTEL course in each semester
- Students may be given special training sessions for entrepreneurship, particularly for PG students, so that at least two or three may begin startups in MetaValley TBI
- Apply projects/seminars/conferences to funding agencies like KSCSTE, DST, UGC, etc.
- Try for collaborations with Keltron, OEN, etc.
- UG students may be given mini-projects during 4th semester
- Device measures for increasing the intake of students
- Initiate outreach programs to promote electronics education in the local community.
- Conduct workshops for school students to generate interest in electronics.
- Provide students with insights into industry trends and research developments.
- Arrange visits to electronics manufacturing units, research laboratories, and technology companies.

2.2.7 Department of English

Strength

- Bylines in newspapers by students
- MoU with Young Communicators Club

Areas of Improvement

- Tutorial system to be strengthened
- Devise techniques for increasing the pass percentage
- All the PG students must do at least one NPTEL course in each semester
- Make use of the language lab maximum
- Arrange remedial coaching for courses that are difficult for students

- Arrange intercollegiate competitions in connection with English Language Day observance
- Arrange sessions on research methodology for final-year UG students/PG students
- The thesis work of PG students should be published in reputed journals or at least in conferences
- Arrange career guidance sessions from the first year onwards
- Faculty members may register for PhDs, publish papers in journals, and present articles at conferences
- Conduct certificate courses in English for cracking competitive examinations
- The frequency of the department journal, Alchemy, is to be increased
- Arrange more programmes in collaboration with YCC
- Library books to be increased

2.2.8 Department of Psychology

Strength

- UG Students get admissions for PG at National institutions
- Students present papers at conferences

Suggestions

- University examination results of PG is to be improved
- All the PG students must do at least one NPTEL course per semester
- The thesis work of PG students should be published in reputed journals or at least in conferences
- All the UG students must do one certificate course per year
- Arrange more capacity-building programmes for students
- Arrange awareness programmes to increase the mental health of students all over the campus
- As the University regulation for research centre is changed, the department must apply for a research centre
- Offer mindfulness and well-being workshops for stress reduction
- Integrate practices like meditation and relaxation techniques.
- Organize departmental conferences/workshops

- Host film screenings and book discussions related to psychology.
- Initiate mental health awareness campaigns in the community. Conduct workshops on mental health in schools and community centers.
- Organize talks on contemporary issues in psychology.

2.2.9 Department of Human Resource Management

Strength

- 100% result in University examinations
- Observance of important days

Suggestions

- Host an annual HR conference or seminar by inviting renowned HR professionals and academics as speakers. Provide a platform for students to present research papers.
- Establish a mentorship program connecting MHRM students with industry mentors.
- Introduce simulation exercises that replicate HR challenges.
- Provide students with hands-on experience in decision-making and problem-solving.
- Organize networking events where students can connect with HR professionals.
- Implement a capstone project that requires students to address a significant HR issue and present the findings to a panel of industry experts for evaluation.
- Conduct workshops on communication, leadership, and interpersonal skills.
- Explore international HR practices and challenges through case studies.

2.2.10 Department of Chemistry

Strength

- Very good infrastructure
- Integrated PG programme in aided stream

Suggestions

- Build partnerships with industries related to chemistry for internships and collaborative projects.
- Organize industrial visits and guest lectures by professionals in the field.
- Organize regular seminar series featuring faculty and external experts.
- Invite renowned scientists and researchers for guest lectures on cutting-edge topics.

- Host departmental conferences or symposia where students can present their research findings
- Encourage participation in external conferences to expose students to broader scientific communities.
- Encourage students to join professional chemistry societies, facilitating participation in society events and conferences.
- Offer career counseling sessions to help students plan their academic and professional paths.
- Introduce interdisciplinary electives that complement the core chemistry curriculum.

2.2.11 Department of Animation and Graphics Design

Strength

- The majority of the students are doing jobs in graphic design after completing the first year
- Excellent Infrastructure
- Faculty members with industry experience

Suggestions

- As the students enrolled for AGD are more oriented towards professional skills, they must be given special training on soft skills
- More industrial collaborations to be established
- Organize workshops on animation techniques, graphic design tools, and industry-standard software.
- Mentoring sessions to be strengthened
- Offer more consultancy services
- Organize design competitions to encourage students to showcase their creativity.
- Collaborate with industry partners for design challenges and competitions.
- Conduct sessions on building and presenting a strong design portfolio.
- Facilitate interdisciplinary projects with other departments within the college.
- Host exhibitions to display students' animation and graphic design projects.
- Conduct design hackathons to promote creativity and problem-solving skills.

2.2.12 Department of Fashion Design and Management

Strength

- Student participation in Fashion show competitions organized by reputed institutions
- Consultancy services on stitching are appreciated

Suggestions

- As the curriculum gives much importance to activity-oriented works, newly admitted students must be given special orientation regarding the curriculum and the importance of completing the activity-oriented work on time
- Give special coaching to students to improve their pass percentage
- Conduct an open market every month for the sale of the products done by students
- Certificate course on basics of tailoring is to be conducted for the benefit of the students of other department
- Arrange the Graduation show by incorporating the designing talents of all the students.
- Conduct an international Conference on “Trends in International Fashion”
- Conduct workshops on paper bag making, jewelry making, etc., for specially-abled people
- Organize workshops on various design techniques, fabric manipulation, and garment construction.
- Collaborate with industry experts for specialized skill development.
- Facilitate internships with fashion houses, design studios, and retail brands.
- Organize events to promote sustainable fashion.
- Conduct sessions on fashion trend forecasting.
- Encourage students to analyze and predict future fashion trends.
- Offer workshops on fashion journalism, blogging, and social media promotion.
- Provide insights into the role of media in the fashion industry.

2.2.13 Department of Software Development and System Administration

Strength

- Good results in University examinations
- Website development as part of consultancy

Suggestions

- Conduct soft skill training programs for final-year students
- Organize Intercollegiate Hackathon competitions
- Provide hands-on experience with development tools and frameworks.
- Organize events focused on understanding and participating in the open-source community.
- Invite industry professionals and experts for tech talks and seminars covering topics such as software architecture, cybersecurity, and cloud computing.
- Offer certification programs in collaboration with industry-recognized organizations (e.g., Microsoft, Cisco, AWS). Prepare students for relevant professional certifications
- Organize boot camps to train students in system administration tasks covering topics such as server management, network administration, and system troubleshooting.
- Encourage faculty and students to engage in research projects related to software development and system administration.
- As many students are opting for MCA as their higher education, programs for cracking entrance examinations are to be arranged
- Conduct certificate programs on Python for the students of other departments
- Encourage students to participate in coding competitions organized by other colleges

2.2.14 Department of Industrial Instrumentation and Automation

Strength

- Appreciates the effort of the faculty members in getting the India Government patent
- Consultancy works like lab equipment servicing and extension activities like maintenance of furniture at FHC, Marampally is also commendable

Suggestions

- Conduct certificate courses on IoT, household equipment servicing, etc., for the students of other departments
- Conduct workshops in nearby schools to create an interest in industrial instrumentation and automation
- MoUs with high-profile industries in the automation area
- Offer training sessions on SCADA systems and HMI (Human-Machine Interface) design.
- Provide practical exercises in configuring and monitoring industrial processes.
- Arrange visits to manufacturing plants, refineries, and industrial facilities.
- Implement process control simulations to help students understand the dynamics of industrial processes.
- Use simulation software to design and optimize control strategies.
- Conduct sessions on diagnosing and troubleshooting instrumentation and control system issues.
- Simulate common problems to enhance problem-solving skills.
- Offer courses that prepare students for relevant industry certifications.

2.2.15 Department of Tourism Administration and Hospitality

Strength

- Industrial visits to various centers of repute in the tourism industry are appreciated
- Consultancy services on tour packages

Suggestions

- Arrange remedial sessions for improving the University Examination results
- Students in the final year may be given special coaching on how to start tourism-related entrepreneurship
- Students may be a part of the various national and international programmes conducted by other departments to have practical exposure to hospitality
- Students may be engaged in community service projects related to tourism and hospitality, fostering a sense of social responsibility.

- Support students to pursue industry-recognized certifications in hotel management, culinary arts, etc.
- Offer courses or workshops to improve communication skills, especially in languages commonly used in the tourism industry.
- Host culinary contests, hotel management challenges, and event planning competitions to showcase and recognize students' skills.
- Facilitate exchange programs with other colleges or universities, allowing students to experience different cultures and hospitality practices.
- Conduct workshops on hotel management, event planning, customer service, and other relevant topics.
- Conduct workshops on sports psychology, nutrition, injury prevention, and sports management.

2.2.16 Department of Multi Sports and Fitness Training

Strength

- Students are involved in various events and have won medals.
- Appreciates the efforts in conducting outreach programmes

Suggestions

- Invite guest speakers, athletes, coaches, and fitness experts to share their experiences and insights.
- Organize regular sports leagues and tournaments within the college or against other institutions.
- Monthly fitness challenges to encourage healthy competition and motivation among students.
- Conduct fitness assessments and provide personalized fitness plans for students.
- Workshops on healthy eating, nutrition, and sports-specific diets

2.2.17 Department of Logistics Management

Strength

- The most demanding course among the seven BVoc courses
- Placements of the students are appreciated



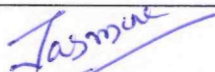
Suggestions

- Organize guest lectures to provide students with real-world perspectives on logistics management.
- Conduct case study sessions on real-world supply chain challenges and solutions.
- Conduct workshops on effective inventory management techniques. Utilize simulation tools to demonstrate inventory optimization strategies.
- Organize visits to warehouses, distribution centers, and fulfillment facilities. Provide students with an understanding of warehouse operations and layout planning.
- Host events to showcase emerging technologies in logistics, such as IoT, RFID, and blockchain.
- Conduct workshops on effective vendor management and relationship building. Highlight strategies for selecting and managing suppliers in the logistics context.
- Organize networking events where students can connect with professionals in the logistics industry. Facilitate interactions with alumni working in logistics management.
- Encourage students to participate in logistics competitions.
- Host intra-college or inter-college logistics challenges to test students' skills
- Conduct workshops on communication, negotiation, and problem-solving skills in the context of logistics management.


2.3 Conclusion

Academic audits are pivotal in bettering the quality and effectiveness of education within our institution, to cultivate a culture of continuous improvement and accountability. The audit report underscores our commitment to excellence in education. We are grateful to all stakeholders, including faculty and students, for their collaborative spirit and support. Implementing the audit recommendations and building synergy between the stakeholders is essential to enhance our academic programs further and ensure the continued success of our institution.

Verified by

SI 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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