1. Action taken report on Graduate Exit Survey 2023-2024

The feedback targets following different content for different stakeholders. For students, it addressed curriculum and its learning related issues in terms of quality, competence, skills and professionalism. This feedback also considers other issues like delivery of curriculum by teachers.

Feedback	Action taken
Latest technologies must be familiarized before graduating	Workshops, seminars, invited talks by industrial experts, college technical fests etc were organized. Student chapters for professional bodies are initiated.
Have industry oriented courses for better employability.	Experts from industry were invited to the institution to provide knowledge on requirements in industry and give insights to the industrial field. Collaborating with industry partners can provide students with practical experience using these tools, ensuring they are familiar with current practices and innovations. Internships are made mandatory every year for at least 10 days
To strengthen mentorship with students	Establish a mentorship program with three semesterly meetings, emphasizing academic success, personal growth, and well-being. Classes are divided into triads, each paired with a designated mentor, promoting personalized guidance and open dialogue

2. **Action Taken Report on Alumni Feedback Analysis 2023-2024**

The feedback targets following different content for different stakeholders.

For alumni, it aimed for responses on adequateness of course curriculum, sufficiency of syllabus content in context of current professional standards and curriculum design in context of development of self-directed learning and problem-solving approach.

Feedback	Action taken
Internship must be made as part of curriculum	Internship opportunities are made available to students in credible core industries and MOU (Memorandum of Understanding) with industries. Professional bodies have initiated their student chapters in institution and students are encouraged to avail the opportunities they provide.
Focus more on employability through providing practical applications of theory.	Faculty were notified about this and are encouraged to have a teaching learning process through experiential methods. and to give assignments of practical importance.

3. Action Taken Report on employer feedback Analysis 2023-2024

The feedback targets following different content for different stakeholders.

For employers, it addressed issues like general communication skills, developing solutions to real life problems, working in a team, creative challenges to challenges, organization skills, learning of new techniques, integration of technology for work as learnt through the curriculum.

Feedback	Action taken
Students need to be familiar with the latest technological applications.	Industry institute partnership cell is active in the department and students are encouraged to attend internship programs. Resource people from industries are regularly invited to the institution to address this issue.

MAR ATHANASIUS COLLEGE OF ENGINEERING, KOTHAMANGALAM
DEPARTMENT OF CIVIL ENGINEERING
ACTION TAKEN REPORT 2023-2024

4. **Action Taken Report on faculty feedback Analysis 2023-2024**

The feedback targets following different content for different stakeholders.

For teachers, the feedback addressed issues like suitability of the course and its need base, outcomes of the curriculum, relationship with course content and corresponding reference material, availability of reference materials in terms with curriculum, evaluation methods and curriculum delivery, etc.

Feedback	Action taken
Suggested that to reduce the course content to suit the available semester duration.	Teachers were advised to have more remedial/tutorial/extra class sessions to meet the needs of different category students.
Suggested that to include practical project works with the subject	Teachers were encouraged to adopt more innovative techniques and strategies for teaching in experiential learning methods. Faculty are advised to provide group activities to students involving practical applications of the concepts taught in class.
Suggested integrating NPTEL courses on relevant theories and adding courses on latest software and technologies to enhance student development.	Faculty are instructed to promote student participation in NPTEL programs and suggest complementary courses on modern software and technologies to foster industry-readiness.

Dr. ELSON JOHN
Professor & Head
Department of Civil Engineering
M.A. College of Engineering
Kothamanglam - 686 666

📞 0485- 2822363
Telefax – 0485- 2822931

Email – office@mace.ac.in

Mar Athanasius College of Engineering
KOTHAMANGALAM - KERALA – 686666
Mechanical Engineering Department

Vision
MENTORING TO ENSURE EXCELLENCE
Mission
To facilitate comprehensive and integrated development of students by providing quality education that encourages sustainable practices
To mold disciplined and socially committed engineers capable of assuming professional leadership upholding national integrity

ACTION TAKEN REPORT FOR THE ACADEMIC YEAR: 2023 – 2024

1. **Action taken report on Students Feedback analysis 2023-2024**

The feedback targets students, it addressed curriculum and its learning related issues in terms of quality, competence, skills and professionalism. This feedback also considers issues related to content delivery of curriculum by teachers.

Feedback	Action taken
More case studies and real-world examples should be included	The issue was communicated to the faculties, with guidance provided to prioritize the inclusion of practical challenges encountered in industry and society within their teaching methodologies.

Additional reference materials covering recent developments in the field would be beneficial for deeper learning.	Expanded the library collection by including recent publications and resources recommended by faculty. Facilitated access to online journals and e-books through institutional subscriptions. Initiated collaboration with faculty to compile supplementary reading lists for advanced topics.
Practical sessions could be made more engaging with enhanced focus on hands-on learning and demonstrations	Conducted a review of lab sessions to integrate more experiential learning activities. Arranged additional training sessions for lab staff to enhance the delivery of practical demonstrations. Increased the frequency of open lab hours to provide students more opportunities for practice.
More variety in extracurricular activities could cater to diverse interests among students	Organized regular cultural, sports, and literary events within the college to provide students with opportunities to showcase their talents. Enhanced support for existing college events by providing better facilities, resources, and logistical arrangements.

2. **Action Taken Report on Alumni feedback Analysis 2023-2024**

The feedback targets alumni, it aimed for responses on adequateness of courses curriculum, sufficiency of syllabus content in context of current professional standards and curriculum design in context of development of self-directed learning and problem solving approach.

Feedback	Action taken
More emphasis on communication and interpersonal skills could better support workplace readiness	Scheduled interactive workshops and mock interview sessions focusing on soft skills development. Provided opportunities for students to participate in debates, public speaking events, and collaborative projects.
More elective options tailored to diverse career pathways would enhance its applicability	Established career mentoring programs where alumni provide guidance on aligning course selections with professional goals. Conducted annual surveys to identify evolving industry demands and adjust electives accordingly.

3. **Action Taken Report on employer feedback Analysis 2023-2024**

The feedback targets employers, it addresses issues like general communication skills, developing solutions to real life problems, working in a team, creative challenges to challenges, organization skills, learning of new techniques, integration of technology for work as learnt through the curriculum.

Feedback	Action taken
Students are adaptable, but greater exposure to evolving techniques and methodologies could improve their agility.	Facilitated participation in online learning platforms to allow students to explore new skills independently. Organized industry-oriented training programs and guest lectures on new and emerging trends.
While students are technically proficient, their ability to apply knowledge to solve real-world problems could be enhanced.	Integrated real-world case studies and industry-specific scenarios into assignments and projects. Conducted hackathons and competitions to develop students' problem-solving capabilities in simulated environments.
Students are skilled individually but require more training in working effectively as part of a team.	Emphasized group projects and collaborative assignments in every academic year. Organized team-building workshops and seminars led by industry professionals. Incorporated peer assessment mechanisms to promote accountability and active participation in group activities.

4. Action Taken Report on faculty feedback Analysis 2023-2024

The feedback targets teachers, the feedback addressed issues like suitability of various courses based on its objectives, outcomes of the curriculum, relationship with course content and corresponding reference material, availability of reference materials in terms with curriculum, evaluation methods and curriculum delivery, etc.

Feedback	Action taken
While the content is comprehensive, there is a need for more interactive teaching methods to engage students better and facilitate active learning.	Provided training on active learning techniques, such as flipped classrooms, group discussions, and problem-based learning, for faculty. Encouraged the integration of multimedia and real-world case studies in lessons to make content more engaging.
While the curriculum is strong, some reference materials do not fully support the depth of the topics covered.	Encouraged faculty to recommend additional reading materials and explore open-access resources to enhance students' learning experiences. Created an online repository where both faculty and students can easily access relevant reference materials.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

MAR ATHANASIUS COLLEGE OF ENGINEERING, KOTHAMANGALAM

Action Taken Report

Academic Year 2023-24

The department takes feedback through a well-structured feedback system, where the stakeholders give feedback on syllabi and curriculum. The main stakeholders are students, teachers, employers and alumni. The feedback obtained from different stakeholders were analysed and summarised as given below.

Stake Holder	Feedback statement	Action taken
Student	Sufficient number of relevant reading materials and digital resources to be made available in the library.	Faculty members have been asked to provide list of books to be purchased in the department library. Also suggestion were given to buy e -books and digital resources in the main library.
Alumni	Students should be encouraged to engage in activities that promote social responsibility and contribute positively to their communities	Decided to include students in social outreach programmes conducted by the department and decided to conduct socially relevant programmes under EEE Association.
Employer	Students should be updated on the latest advancements in technology to remain competitive in the respective field.	students are recommended to pursue certification courses in emerging fields or to do coding problems in Leetcode, Hackernack platforms.
Faculty	Project and industry oriented elective courses to be added in the curriculum.	Faculties are assigned to identify agencies giving fund for projects and to apply for these funds. The Board of Studies (BOS) was also informed of this suggestion.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

MAR ATHANASIUS COLLEGE OF ENGINEERING, KOTHAMANGALAM

ACTION TAKEN REPORT ON FEEDBACK ANALYSIS (2023 – 2024)

1. Actions taken on Graduate Survey:

No	Feedback	Action Taken
1	Curriculum lacks the ability to develop skills to use modern tools and techniques in engineering activities.	• Incorporate hands-on workshops and training sessions into the curriculum that focus on the latest engineering tools and technologies. • Collaborating with industry partners can provide students with practical experience using these tools, ensuring they are familiar with current practices and innovations.
2.	Curriculum needs to strengthen the capability of students to design analogue and digital circuits using state-of-the-art technology.	• Students are encouraged to undertake various internships at reputable companies to gain hands-on experience in real-time product design. • Regular assessments have been implemented to evaluate students' understanding and proficiency in circuit design..

2. Actions taken on Alumni Survey:

No	Feedback	Action Taken
1.	Improve the technical knowledge and management skills of the students to meet the present day technical world	• Implemented practical, project-based learning experiences where students can apply theoretical knowledge in real-world scenarios. Established well-equipped laboratories and workshops for experimentation and prototyping. • Offered classes on topics such as project management, communication skills and entrepreneurship.

No		
2.	Curriculum should include progressive learning and skills for a successful career.	• Included opportunities for students to develop their written and verbal communication skills through presentations, writing assignments, and collaborative projects.

3. Actions taken on Employer Survey:

No	Feedback	Action Taken
1.	Encourage students to develop strong leadership and managerial skills rooted in social commitment. Emphasize the importance of fostering connections between educators and industry professionals to provide students with real-world insights and valuable experiences.	• Establish more Memorandums of Understanding (MOUs) with industry leaders to create internship, mentorship, and project opportunities for students, bridging the gap between academia and real-world applications. • Organize regular workshops and guest lectures with industry professionals, enabling students to gain practical insights and develop leadership skills directly from experts in their field.

4. Actions Taken on Faculty Survey

No	Feedback	Action Taken
1.	Expand curriculum to cover modern engineering tools.	• Conducted faculty training workshops on modern engineering tools, ensuring instructors can effectively teach new technologies to students.
2.	Enhance activities that promote teamwork and managerial skills.	• Organized workshops and simulation exercises on leadership and project management, allowing students to practice decision-making and managerial skills in real-world scenarios. • Facilitated team-building sessions and competitions to foster collaborative skills and provide practical experience in managing group dynamics.

Dr. AJI JOY
Head of the Department
Dept. of Electronics & Communication
Mar Athanasius College of Engineering
Kothamangalam - 686 666

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
MAR ATHANASIUS COLLEGE OF ENGINEERING
KOTHAMANGALAM

ACTION TAKEN REPORT ON FEEDBACK ANALYSIS (2023 – 2024)

1. Actions taken on Graduate Exit Survey:

Feedback	Action Taken
Keep Experienced faculty in respective subject of concern	• We hosted a Faculty Development Program to explore the latest advancements in technology.

2. Actions taken on Alumni Survey:

Try to include more technologies and frameworks (React, Angular, Nextjs) and include mini projects with those technology. Include activities to learn coding standards.	• Conducted workshops and hands on sessions on more technologies and frameworks

3. Actions taken on Employer Survey:

Communication style with people from other countries	• We offer courses like professional communication and language lab sessions to improve your communication abilities.

4. Actions Taken on Faculty Survey:

Program Verification Industrial Visit Hands on experience with public cloud platforms like AWS, Azure, Google Cloud etc. is a must.	• Provided 3 Add-On courses for our odd semester students • Organized an Industrial Visit for Even Semester Students

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MAR ATHANASIUS COLLEGE OF ENGINEERING, KOTHAMANGALAM
DEPARTMENT OF COMPUTER APPLICATIONS
Feedback and Action Taken 2023-2024

Feedbacks are collected and analysed on a regular basis from students, teachers, employers and alumni for improving the course.

The questions pertain to different aspects of curriculum like its relevance, its ability to meet industry requirement, develop leadership qualities, communication skills, professional ethics, extra-learning, gender equity and care for nature and environment.

1. Action Taken on Students Feedback

Feedback	Action taken
Add latest technologies.	Advanced Technologies are introduced in the proposed syllabus.
Add newest techs, remove old techs from syllabus	Advanced Technologies are introduced in the proposed syllabus.
Add any framework like React or Angular or Java Spring boot	Some of the advanced tools are introduced in the proposed syllabus and workshops are arranged for the introduction of tool like React, Java Spring boot etc.
The curriculum is very tight for 2nd and 3rd semesters...need to find more time for the course completion	It is included in the agenda of the Board of Studies.
It would be better to add some job oriented training in any industry relevant technologies	Planning to arrange hands-on Add-on Courses and Workshops in collaboration with industry.
Focus more on improving technical skill rather than including theoretical subjects	Planning to arrange hands-on Add-on Courses and Workshops in collaboration with industry.

2. Action Taken on Teacher Feedback

Feedback	Action taken
Content of subjects are very vast.	It is included in the agenda of the Board of Studies.
Visualization labs have to be introduced.	It is included in the agenda of the Board of Studies.
Include Algorithmic thinking, design best practices and practical assignments.	Included in the proposed syllabus.

3. Action Taken on Alumni Feedback

Feedback	Action taken
Curriculum should reflect current industry standard at least at a moderate level. Focus on practical application of theory should be improved. It should enable students industry ready.	Planning to arrange hands-on Add-on Courses and Workshops in collaboration with industry.

4. Action Taken on Employer Feedback

Feedback	Action taken
Offer carrier guidance and mentorship for students. Offer courses such as Cloud Computing and Blockchain. Online and blending programmes are must including MOOCs virtual reality training etc.	Have MOUs with companies who provide mentorship and carrier guidance. Cloud computing and Blockchain are elective courses of MCA Curriculum. For getting MCA degree the students have to complete at least one MOOC course.
Incorporating more world projects with industry collaboration. Internships or capstone projects will better prepare graduates. Embedding preparation for key industry certifications. Adding more focus on data science, big data and business analytics.	Have MOUs with companies provide internship programmes. Students were motivated to go for industry certification. Data Science, big data and business analytics are part on MCA programme.
Incorporate courses or modules that explore the applications of AI and ML. Allow the students to partner with companies to offer guest lectures and mentorship programmes.	AI and ML are part of MCA Curriculum. Students were motivated to attend workshops, Add-on courses, which is conducted in collaboration with industries like TCS, EY etc.

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DEPARTMENT OF COMPUTER APPLICATIONS