



YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	Muthayammal Engineering College (Autonomous)
• Name of the Head of the institution	Dr.M.Madheswaran
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	04287226837
• Alternate phone No.	04287220837
• Mobile No. (Principal)	8754008537
• Registered e-mail ID (Principal)	principal@mec.edu.in
• Address	Kakkaveri, Rasipuram
• City/Town	Namakkal
• State/UT	Tamil Nadu
• Pin Code	637408
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	27/05/2016
• Type of Institution	Co-education
• Location	Rural

• Financial Status	Self-financing				
• Name of the IQAC Co-ordinator/Director	Dr.N.Suthanthira Vanitha				
• Phone No.	04287220837				
• Mobile No:	9965531515				
• IQAC e-mail ID	iqac@mec.edu.in				
3.Website address (Web link of the AQAR (Previous Academic Year)	https://mec.edu.in/wp-content/uploads/2021/10/Yearly-Status-Report-2019-20.pdf				
4.Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://mec.edu.in/wp-content/uploads/2021/11/Academic-Calendar-2020-21.pdf				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B	2.52	2016	17/03/2016	31/12/2021
6.Date of Establishment of IQAC			04/06/2016		
7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?					
Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount	
Dr.R.Prakash	DIT	TNSCST	17/02/2021	50,000	
8.Provide details regarding the composition of the IQAC:					
• Upload the latest notification regarding the composition of the IQAC by the HEI	View File				
9.No. of IQAC meetings held during the year	04				

<ul style="list-style-type: none"> • Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? 	<p align="center">Yes</p>	
<ul style="list-style-type: none"> • If No, please upload the minutes of the meeting(s) and Action Taken Report 	<p align="center">No File Uploaded</p>	
<p>10. Did IQAC receive funding from any funding agency to support its activities during the year?</p>	<p align="center">No</p>	
<ul style="list-style-type: none"> • If yes, mention the amount 		
<p>11. Significant contributions made by IQAC during the current year (maximum five bullets)</p>		
<p>• Coordinated Board of Studies and Academic Council Meetings • Conducted Academic and Administrative Audits • Motivated Faculty Members for Research Proposal, Publications, Filing of Patents and Consultancy Work • Innovative Practices are implemented for Faculty and Students</p>		
<p>12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:</p>		
Empty space for plan of action and outcome		

Plan of Action	Achievements/Outcomes
NIRF- 2021	Participated in NIRF Ranking 2020 in Engineering Category
MHRD-AISHE (2019-2020)	MHRD- All India Survey on Higher Education (AISHE) submitted on 15.02.2020
MHRD- Atal Ranking of Institutions on Innovation Achievements (ARIIA) 2021	Submitted for Atal Ranking
AICTE Approval Process	Extension of Approval received from AICTE
Anna University Affiliation Process	Anna University Affiliation received
Academic and Administrative Audit(AAA)	Academic and Administrative Audit (AAA) Conducted
AQAR (2019-20)	AQAR (2019-20) Accepted
Institutional Ranking	Participated in various Magazine Rankings like India Today-MDRA,GHRDC CSR,Carreer 360 Degree, The Week,Data Quest ,Silicon India and Times Engineering for the Award of Best College Survey
Institutional Award	Received ISIE INDIA Excellence Award 2021 for Best Industrial Interface College of the Year
No. of Faculty Registered for NPTEL Online Certification Courses - 186	No. of Faculty Completed NPTEL Online Certification Course -141
ProPlan, ProTech, ProCentre and ProSoCC activities	Programs are organized for the benefit of Faculty and Students
13.Was the AQAR placed before the statutory body?	Yes
<ul style="list-style-type: none"> Name of the statutory body 	

Name of the statutory body	Date of meeting(s)
Governing Council	22/03/2022
14. Was the institutional data submitted to AISHE ?	Yes
<ul style="list-style-type: none"> • Year 	
Year	Date of Submission
2022	28/02/2022
15. Multidisciplinary / interdisciplinary	
<ul style="list-style-type: none"> • Institution has structured system for the Design and Implementation of Curriculum and Syllabi for UG and PG Programmes of all the Departments under Choice Based Credit System (CBCS) • Courses in the Programmes are designed to focus on Multidisciplinary, Problem Solving, Design Thinking and Holistic understanding of Engineering • Curriculum of all the Programmes are designed with the objective of developing the Competency, Integrity, Environmental Challenges, Moral and Ethical Values to the needs of Society • MultiDisciplinary Lectures (MuDiL) is regular practice in the Institution to enhance the Inter-Departmental Collaboration among Faculty Members and Students • MuDiL provides opportunity for the Faculty Members to share their knowledge with Students of other departments to come up with Interdisciplinary Ideas/Projects 	
16. Academic bank of credits (ABC):	
<ul style="list-style-type: none"> • Institution has registered in the National Academic Depository (NAD) portal as per guidelines of Ministry of Education and UGC • Students are facing difficulties in getting the e-Copies of their Certificates, Mark Sheets and Academic Awards when they are lost or damaged • With the support of NAD, the Academic Records of all the Students are maintained in the Academic Bank of Credits • Educational Institutions, Employers and Students can easily access through Online, which eliminates the Physical 	

Verification for Higher Studies and Job Opportunities

- Digital Depository supports to retrieve/verify the documents without fraudulent practices
- Faculty Members are encouraged to prepare Digital Contents on Technical Topics and maintain in Muthayammal Virtual Learning Centre (MVLC)
- Institution implemented Innovative Practice - Student Activities Credits Target (SACT) for Students to enhance the number of participation in various activities and to expand the network among the Students and Domain Experts in other Institutions and Industries
- Each participation is awarded credit points and calculated semester wise. Credit targets for each Semester for all the Departments are finalized based on the number of Students on roll in the Department and monitored

17.Skill development:

- Institution strengthen the Soft Skills of Students by offering various training modules to meet the Industry needs
- Value Addition/ Skill Development (VASD) Courses are conducted by Technology Learning Group Leads in addition to the regular Academic Learning
- Value Added Courses are identified on various topics demanded by the Industries as well as the students
- Industrial Certification focuses on Training the Students in Cutting Edge Technologies to meet the Industry Expectations
- Industry Interface has been established and utilized for training the students in various domains
- Students are encouraged to participate in Code Hackings, IDEA generation contests and Project Expo, Field Projects/Internships for Skill development
- Skill Development Activities are regularly organized for the benefit of students

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

- Institution integrates Cross-Cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability to the Students through Curriculum
- Essay Writing, Elocution Competitions are conducted in Regional Languages and recognized with prizes during Independence Day and Republic Day Celebrations
- Programs are organized through Fine Arts Club, Tamil Mandrum,

English Literary Club, Humanitarian Club, Hobby Club, Yoga and Meditation Club for the Students to protect our culture heritage

- Institution trained the Faculty Members to provide the classroom delivery in Bilingual mode
- Clubs/Cells are established in the Institution to promote the Good Practices among students

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

- Program Educational Objectives (PEOs) and Program Outcomes (POs) are set in accordance with Outcome Based Education (OBE) in line with accreditation authorities
- PEOs and POs are carefully designed by considering the academic context and input from stakeholders
- Curriculum and Syllabus are framed according to the POs of respective program. Courses are included in the curriculum to attain the said program outcomes. Each course will have Course Outcomes (COs) which are perfectly matched with POs
- CO levels corresponding to each PO are averaged to obtain overall CO level for each PO and this is repeated for all courses
- PEOs, POs, and COs are described ,incorporated in the curriculum and disseminated

20.Distance education/online education:

- Innovative Teaching Methodology is adopted in the Institution to enhance the learning capability of Students in Pandemic.
- Online Platforms like Webinarjam , Google Meet, Google Class , Cisco Webex and Zoom are used for Teaching which promotes the Blended Learning
- Institution pertains the good practice in Online Education in view of NEP2020, by encouraging Faculty Members and Students for the Online Certification Courses like NPTEL, Coursera, Udemey offered by National and International Organizations
- Credit Transfer for Online Certification is implemented in the Autonomous System. The Students are encouraged to register for NPTEL/MOOC Courses. The credits earned are transferred for Curriculum Courses

Extended Profile

1.Programme

1.1

21

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 **2951**

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 **602**

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 **2951**

Number of students who appeared for the examinations conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1 **643**

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 **355**

Number of full-time teachers during the year:

Extended Profile

1. Programme

1.1 21

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2. Student

2.1 2951

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 602

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 2951

Number of students who appeared for the examinations conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3. Academic

3.1 643

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	355
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3	355
Number of sanctioned posts for the year:	
4.Institution	
4.1	1290
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	76
Total number of Classrooms and Seminar halls	
4.3	940
Total number of computers on campus for academic purposes	
4.4	1363.79
Total expenditure, excluding salary, during the year (INR in Lakhs):	

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

Programmes offered by the Institution:

Muthayammal Engineering College was established in the year 2000 under the aegis of Muthayammal Educational Trust and Research Foundation with the Vision, Mission and motto to uplift the Rural Community through Technical Education. The College has grown as a reputed Institution for the past 21 years offering diverse need

based Academic Programmes having direct relevance to the Local, Regional, National and Global Developmental needs.

Curriculum Development

- Curriculum is designed and implemented as per the norms prescribed by UGC, AICTE and Anna University, Chennai which is the affiliating University
- Curriculum and Syllabi are designed and developed for all disciplines by the Board of Studies considering on inputs from various Stakeholders and approved by Academic Council
- Effective implementation of Outcome Based Education (OBE) is ensured
- Choice Based Credit System (CBCS) is followed to encourage the Students to learn MultiDisciplinary Domains
- National Education Policy 2020 and the themes are considered for revising the Curriculum to have more relevance to Local, Regional, National and Global Developmental expectations
- Institution has introduced B.E/B.Tech Programmes in Emerging areas like Cyber Security, AI and Data Science, Robotics and Automation which are in tandem with Government of India initiatives
- Courses of various Programmes have significant focus on Multidisciplinary Aspects, Problem Solving Skills, Design Thinking and Holistic Understanding of Engineering

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://mec.edu.in/academics/controller-of-examinations/

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

05

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year**643**

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	View File

1.2 - Academic Flexibility**1.2.1 - Number of new courses introduced across all programmes offered during the year****643**

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System**21**

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

- Institution Integrates Cross-Cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability to the Students through various Courses in the Curriculum. In addition Periodical Programs are organized by various Clubs and Forums.
- Courses Integrated in the Curriculum with relevant to Professional Ethics and Human Values are offered in the Curriculum to enrich the basics Ethics to the Students
- Students are involved in the activities National Service Scheme and Youth Red Cross their contribution towards Societal Welfare, Leadership Skills, Ethics and Moral Values. Students enhance their Society responsibility through Outreach Activities
- Courses relevant to like Environment and Sustainability enhance the ability of the Students to find the solution for the real time issues accordingly to Environmental Safety and Sustainability
- Courses make clear the problems facing by Environment all over the World and the Students make clear to on convenient measures to make this Environment Sustainable for the Future Generation
- Gender related Courses are offered to the Students and apart from the Courses, the Institution has Women Empowerment Cell, Internal Compliance Committee and Anti Ragging Committee to look out the needs of Gender related needs
- Awareness programs on Gender Equity, Women Safety and Self Defense are conducted for the benefit of Girl Students

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

59

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

1.3.3 - Number of students enrolled in the courses under 1.3.2 above**2536**

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects**1323**

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	https://mec.edu.in/wp-content/uploads/2022/05/Feedback-Analysis-Action-Taken-Report-2020-21.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following

A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	https://mec.edu.in/wp-content/uploads/2023/08/Feedback-Analysis-and-Action-Taken-Report2020-21.pdf
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

902

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)

815

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

Assessment of Students Learning Levels:

Assessment at Entry Level

- Learning Levels of the admitted Students are assessed through the Bridge Course
- Diagnostic test is conducted on the ability in Mathematics and English. On the basis of the Performance, Students are categorized as Advanced Learners and those who got less than 50% are considered as Slow Learners
- Continuous Internal Assessment (CIA) Test marks and the Previous Semester Performance are considered to identify the Slow and Advanced Learners
- Interaction with the Students are made to analyze the factors influencing their Performance by the HOD and Mentors

Initiative/Activities for Advanced Learners

- Motivational Activities namely Participation in Technical Workshops, Paper Presentation

Journal Publications ,Value Addition /Skill Development Courses , NPTEL Online Certification Course, Higher Education and Competitive Examinations are provided.

- Internship/Inplant Training Foreign Language Training for Advanced Learners

Initiative/Activities for Slow Learners

- Institution has a Structured Mentoring System which benefits the Students in both Academic and Personal.
- Mentoring System is to Support, Counsel and Guide the Students for improving their overall personality.
- Remedial Classes for improvement

- Students Performance were analyzed at the end of the program and the successful students were appreciated for their achievements

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mec.edu.in/technical-clubs/

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/06/2020	2951	355

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences:

The Student's Centric Learning Methods include Experiential Learning, Participative Learning and Problem Solving Approach, Design Thinking, Technical Talks and Participation in Competitions.

Experiential Learning

- Innovation Design Contest/Smart India Hackathon: Practice of learning by doing make the Students to showcase their talents
- Industry Linked Laboratories and Entrepreneur and Start-Ups: Industry Experts guide the students to excel in idea generation and the Incubation of ideas for developing the products in the future.
- Linkages with Industries for Internship, On-the-Job Training and sharing of Research facilities through MoU's
- Field Projects ,Industrial Visits/ In-Plant Training are arranged for the students towards learning by seeing approach

Participative Learning

- Multidisciplinary Lectures (MuDiL) is for interdisciplinary activities
- Learning Methods like, Tech Talks, Group Discussions, Role Plays, Poster Presentations, Quiz, Assignments, Debates, Team Building Exercises,
- Internships and Online Certification Courses
- Students actively involved in various Committees, Clubs and Forums for organizing events
- Muthayammal Virtual Learning Centre (MVLC) is functional for the Students to get e-Contents for better learning

Problem Solving Methodologies

- Supports the Students towards Complex Problems, Critical Thinking and Analytical Skills
- Students are encouraged to participate in Code Hackings, IDEA Generation Contests and Project Expo

File Description	Documents
Upload any additional information	View File
Link for additional Information	https://mec.edu.in/technical-clubs/

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

ICT has become an integral part of the Teaching-Learning Process for interaction through approaches as replacing chalk boards with interactive Digital Technologies like Smart Phones, Laptop or other devices for Teaching and Learning

- Muthayammal Virtual Learning Centre (MVLC) is effectively utilized for Technology,

Engineering and Management to enhance the Teaching-Learning Process virtually

- Institute has E-Learning Resources like DELNET, IEEE, J-GATE and DIRF, invention SAGE publication for the enhancement of Teaching and Learning activities.
- Online Public Access Catalogue facility is available across the Institution to facilitate Online search of Books

available in the Library with Title, Author, Keyword and Subject search options

- Free online accessible platforms such as Google Classroom, Open Edx, Google Meet, Cisco WebEx and Microsoft Team are used for Learning and Assessment
- ICT enabled Teaching-Learning Process is supported with the use of Smart Class Rooms
- Content delivery such as Online Quiz, PPT, NPTEL Videos and Expert Lectures were done using ICT Tools Instructional Methods
- Seminar Halls (3) and Discussion Halls (5) are used for conducting Seminars/Workshops/FDPs/Technical Discussions
- English Communication Skill Lab- Students Listening, Reading and Writing Skills are developed with ICT tools

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://mec.edu.in/mvlc/index.html
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

322

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Preparation of Academic Calendar

- Academic Calendar is prepared at the beginning of every semester involving the Faculty Members and Heads of various Departments to take the Future Course of Action
- Academic Committee, along with the Principal, approves the Academic Calendar and disseminated

- Academic Schedule consist of Semester wise Academic Activities

Preparation of Teaching Plans

- Lesson Plan is prepared by the Faculty Members with Course Objectives and Course Outcomes.
- Delivery Modes like Innovative Teaching Methods, Coverage of Syllabus, Lecture Handouts, Textbooks and Reference Books, etc are discussed by the Course Faculty
- Timetable Coordinator prepares the timetable before the Commencement of Classes and shared to the Faculty Members.
- Lab Manuals are prepared and issued to Students by the Course Faculty.
- Must Know Concepts - Learning and Practicing is to ensure that the Students learn the concepts in all Subjects without any ambiguity.

Adherence of Academic Calendar and Teaching Plans

- Academic Activities are monitored by Academic Committee and report on academic activities is submitted to the Principal at the end of last working day

Teaching Plans are monitored by the HOD recorded in Faculty Log Book during every fortnight

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full-time teachers against sanctioned posts during the year

355

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	View File

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

78

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	View File

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

1493

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	View File

2.5 - Evaluation Process and Reforms**2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year**

24

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

0

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	View File

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

Institute takes every efforts in IT integration and brought out several reforms. As per the guidelines of UGC, AICTE and Anna University the Regulations are framed.

- Continuous Internal Assessment Test (CIA) conducted periodically and Answer Scripts are evaluated.
- End Semester Examination Question Papers are subjected to scrutiny. Examination transparency is ensured by providing Photo Copy of the Answer Scripts to the Students.
- Examination Audit is conducted every semester to make sure the Quality of Question Papers, Evaluation and Transparency
- COE Administration includes (i) Online Pre Examination Process (ii) Online Post Examination Process

Examination Reforms

Reforms

Description

Impact

1

Implementation of Blooms Taxonomy

Improvement in Students Learning Levels

2

Higher Order Testing Skills

Improvement in Evaluation and Creativity Skills

3

Preparation of Scheme of Evaluation

Brings Uniformity in Evaluation Process

4

Automation of Examination Management System

Simplification and Error Free System

5

Examination section has a Protected Server., CCTV Surveillance and Backup Data Storage

Confidential and Entry of Unauthorized Persons is prevented

6

Introduction of Flying Squad

Ensures smooth conduct of Examination

7

Results Publishing Automation

Speedy and remote access of marks

8

Grievance Redressal System

To ensure error free system

9

Scope for Revaluation and Re-totaling

Improves the Transparency in the Examination Evaluation System

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://mec.edu.in/academics/controller-of-examinations/

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

- Program Educational Objectives (PEOs) and Program Outcomes (POs) are set in accordance with Outcome Based Education(OBE) in line with Accreditation Authorities like NBA and NAAC and as per the requirements of UG and PG Programmes
- PEOs and POs are carefully designed by considering the today's academic context and with input from Stakeholder Meetings
- Curriculum and Syllabus are framed according to the POs of respective Programme. Courses are included in the Curriculum to attain the said Programme Outcomes. Each Course will have Course Outcomes (COs) which are perfectly matched with POs
- CO levels corresponding to each PO are averaged to obtain overall CO level for each PO and this is repeated for all Courses
- All of these PEOs, POs, and COs are described very clearly and incorporated in the Curriculum Book given to Staffs and Students
- PEO's, PO's and PSO's are disseminated to Faculty and Students through

1.Institution Website

2.Curriculum & Syllabi Book

3.Department Notice Board

4.Faculty Members Cabin

5.Department Library

6.Department Laboratories

7. Department Webpage in the Institution Website

8. Department NewsLetters & Magazines

9. All Brochures and Prospectus

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	https://mec.edu.in/academics/computer-science-and-engineering/

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

- COs and POs mapping is done and the expected level of attainment for each Course is fixed by the Course Coordinator
- Attainment of Course Outcome is calculated using the marks scored by the Students in each category of assessment
- Attainment of CO is assessed for every Course based on the Assessment Pattern. Direct and Indirect Measurement Method provides a structured way to analyze the attainment of COs for each Course
- Direct Assessment Tools such as Continuous Internal Assessment Test, End Semester Examinations, Assignments, Viva Voce are used for assessing the attainment of each COs
- Indirect assessment tools considered for calculating COs, POs and PSOs are Course Exit Survey, Graduate Exit Survey, Alumni Survey, Employer Feedback and Parent Survey
- Assessment of CO attainment done through Direct and Indirect Assessment with weightage of 80% and 20% respectively. The Direct Assessment is done through Continuous Internal Assessment (CIA-50% Weightage) and End Semester Examination (ESE- 50% Weightage). Indirect CO assessment is done through Course Exit Survey
- COs are mapped with POs as high, medium and low correlation levels. The Qualitative Analysis is obtained on the attainment of COs for each course.
- POs and PSOs - Indirect Attainment level Calculation

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://mec.edu.in/naac/aqar-2020-21/2.6.2-CO-PO-Attainment.pdf

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

600

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	https://mec.edu.in/naac/aqar-2020-21/2.6.3-COE-Annual-Report.pdf

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink

<https://mec.edu.in/wp-content/uploads/2023/08/Student-Satisfaction-Survey-AY-2020-21.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

Research Policy to promote Action-Oriented and Multidisciplinary Research activities that involve all the Faculty Members, Research Scholars and Students. Institution provides necessary Research facilities and a conducive environment to do various Research activities.

- Objectives of the Research and Development Centre are to establish Research Culture, Collaborative Research with Reputed Organizations, Sponsored Research to enhance the Research Facilities
- Faculty Members involved in Research are provided with financial support to carry out research works and encourage them to implement their innovative ideas.
- Institution has provided Seed Money for various activities related with Research and Product Development. Faculty Members Published Research Articles, Presented their Research findings in various Conferences, Filed Patents and submitted the proposals to Funding Agencies like AICTE, UGC, DST, CSIR, etc., for Financial Support.
- Institution has received Grants from Government and Non-Government Agencies for various activities.
- Department of Electronics and Communication Engineering, Department of Electrical and Electronics Engineering and Department of Mechanical Engineering are recognized as Centres by Anna University, Chennai for carrying out Ph.D/M.S (By Research) Programme.
- Institution encourages the faculty members to collaborate with other reputed Institutions and Industries for Collaborative Research and Consultancy Works with MoUs.
- Institution has signed MoUs with Academic Institutions and Industries and carried out Consultancy Works

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://mec.edu.in/research/muthayammal-research-promotion-policy-mrpp/
Any additional information	View File

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

17.05

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

27

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	View File

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

158.82

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	View File

3.2.2 - Number of teachers having research projects during the year

30

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://mec.edu.in/research/centre-for-research/
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

40

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

06

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://mec.edu.in/naac/agar-2020-21/3.2.4-Funding-Agency.pdf
Any additional information	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

Muthayammal Engineering College has created an Eco-System for Research and Innovation with the support of various Centres, Cells and Agencies

- Centre for Product Development and Consultancy is to promote the conversion of Ideas into Products. Supporting for Patent Search and Patent Filing and Consultancy for the Industries based on the need and the Expertise
- Centre for Patent Drafting and Filing is to promote the Patent Filing of Innovative Ideas, Projects and Products and to motivate the Faculty Members as well as Students. Creating Awareness about Intellectual Property Rights and Patents and Organizing Workshops, Seminars, Expert Lectures on Patent Drafting and Filing
- Centre for Innovation and Design Thinking is to motivate the Students to generate ideas, convert the Real-Time issues into realizable Projects / Products and to train the Students on Design, Prototype making and Innovation. Organizing Technical Lectures by Industry Experts and conducting Competitions for selecting best ideas
- MHRDs Institution Innovation Council (IIC) is to Encourage, Inspire and Nurture Young Students by supporting them to work with new ideas and transform them into Prototypes and Products.
- Entrepreneurship Development Cell (EDC) EDC at Muthayammal was established in 2001 to create awareness among the Students about Entrepreneurship through various activities.
- Participations in Hackathons / Professional Society Activities

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mec.edu.in/clubs-and-centres/

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

102

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	View File

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software	A. All of the above
---	----------------------------

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	View File

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

09

File Description	Documents
URL to the research page on HEI website	https://mec.edu.in/research/centre-for-research/
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

228

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year**120**

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mec.edu.in/naac/agar-2020-21/3.4.4-AI-Books.pdf

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed**3.4.5.1 - Total number of Citations in Scopus during the year****193**

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University**3.4.6.1 - h-index of Scopus during the year****32**

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy**3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)****8.65**

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	View File

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

12.31

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	View File

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

Students of Muthayammal Engineering College are educated with social responsibility to serve the community living around our Campus and town. National Service Scheme (NSS) and Youth Red Cross (YRC) units are functioning in the Institution with more than 300 volunteers in each unit. YRC and NSS units have been functioning since 2001. Students are trained physically and mentally to help those who suffer from Illiteracy, Health, Ignorance, Poverty etc., through NSS and YRC activities.

Some of the Significant Social Activities Conducted for the Benefit of Communities

- Ek Bharat Shrestha Bharat , Swachh Bharat - Awareness Programme
- NSS wing had adopted Pudupatti, Pudupalayam and Jadarpalayam Villages in the past years to organize Special Camps like, Blood Donation Camps, Free Eye Camp and Medical Camps for General Public and for regular activities
- Awareness Programmes on Tree Plantation to Government High School, Helmet, Road Safety, COVID 19 Pandemic, Fit India Programme, Rally on National Voters Day
- Training Programme on Pakku Mattai Products
- Awareness on Alternative Energy Systems - Implementation of Solar Panel
- Volunteers carry out rallies to emphasis the ill effect of using plastics in nearby villages
- Awareness Programs on Rain Water Harvesting and Environmental Pollution

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mec.edu.in/naac/agar-2020-21/3.6.1-Outreach-Sample-Reports.pdf

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

19

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	View File

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

73

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

2151

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration**3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work**

211

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

11

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	View File

INFRASTRUCTURE AND LEARNING RESOURCES**4.1 - Physical Facilities**

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

Institution has adequate Infrastructure and Physical Facilities for Effective Teaching Learning Process with mandatory Standards and Norms, by adhering to the Rules and Regulations of Regulatory Bodies which includes Faculty, Technical and Administrative Staff, Laboratory Equipments, Built-up Area and Learning Resources.

Class Rooms: Institution has 73 class rooms with academic ambience. All class rooms have adequate ventilation for better learning environment to the Students. In which, 100% of ICT enabled class rooms

Laboratories are equipped with State of the Art facilities.

Central Library facilities are strengthened every year through continuous procurement of Textbooks and eResources. Library Advisory Committee is functioning for the effective utilization of the Library Resources. Digital Resources like DELNET, NDLI, e-Books, e Journals, NPTEL Lectures, Reprographic facility, CD and Videos are available in the Library. Library has Membership in DELNET, NDLI, American Library, British Council and Shodh Sindhu.

Computing Facilities: Institution has 940 Computers, printers, scanners with Internet Bandwidth of 1Gpbs are maintained by the experienced In-house System Administrator.

Additional Facilities like, Drawing Hall, Seminar Halls, Training and Placement Cell, Language Laboratory, Project Laboratories, Medical Centre are available for the benefit of Staffs and Students. Facilities like Lift, Ramp, ATM and other amenities are available in the Campus.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mec.edu.in/facilities/

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

- Department of Physical Education has well equipped Sports Facilities to cater the need of Students in Extracurricular

activities.

- Institution has enough Infrastructures in the Campus for Indoor and Outdoor Games, Gymnasium, Yoga and Cultural Activities
- Students are trained to participate in various competitions at the Zonal, Inter-Zonal, State and National Level. Institution organizes various Zonal Level Sports events regularly for both Men and Women
- Institution provides space for Outdoor sport activities such as Football, Handball, Ball Badminton, Badminton, Kabaddi, Kho Kho, Volley Ball and Cricket and Indoor Games such as Chess, Carrom and Table Tennis
- Gym is equipped Fitness Centre is available at the Sports Complex for Students. It includes 10 station Multigym, Tread Mill, Double Side Twister, Gym Ball, Bench Press, Tumble, Spin Bike, Weighing Scale, Weight Lifting and Power Lifting
- Yoga Centre is available inside the Campus with necessary facilities. Awareness Programs like, Art of Yoga, Yoga as a Effective Tool for Wellness - Covid 19, National Seminar on Yoga for Youth, etc., are organized for the wellness of Faculty and Students
- Auditorium, Seminar Halls and Open Air Theatre is available for conducting various Cultural and other Extra-Curricular activities through Fine Arts Club, Tamil Mandram and Department Associations. In addition, Web Cultura and Cultura Fest-Intra College Competitions

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://mec.edu.in/clubs-and-centres/

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

76

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)

103.09

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

Name of the ILMS Software : IMPRES

Nature of Automation (fully or partially) : Partially

Version :5.0

Year of Automation : From 2010 (EASYLIB) and From 2019 (IMPRES)

Library Timing

Working Days: 8.30 AM to 8.00 PM

On Holidays : 9.00 AM to 6.00 PM

During Examinations :9.00 AM to 8.00 PM

Library will be closed on all Public Holidays

Library Resources

Institution has Central Library with a Carpet area of 950.94 sq.m, with a seating capacity of 200 which provides conducive learning environment. Library has a large collection of 15,055 Titles and 59,638 Volumes of Textbooks and Reference Books. In addition, all Departments have their own Department Libraries managed by the Faculty Members.

E-journal packages are subscribed through IEEE, ACM, J-GATE, DELNET and NISCAIR regularly. EBooks are subscribed through DELNET and NDLI. Other required Books are downloaded through Dspace Open Software and kept in the Library for both Faculty and Students access.

Library Services

Interlibrary Loan is provided as a service through which the Faculty and Students of the Institution can borrow Books or get the Photocopies of rare documents owned by other Libraries. Library Advisory Committee is active and provides service needed by the Faculty and Students in Teaching, Research and Purchase of Library Books. The Library has Biographies, Geographical Guides and Dictionaries. To provide better services to the Students, the Library has subscribed Membership with DELNET, NDLI, British Council of Library, American Library Centre, e-Shodh Sindhu and Shodh Ganga.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mec.edu.in/academics/learning-centre/

**4.2.2 - Institution has access to the following:
e-journals e-ShodhSindhu Shodhganga
Membership e-books Databases Remote
access to e-resources**

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)

10.77

File Description	Documents
Audited statements of accounts	View File
Any additional information	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

495

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	View File

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

- Institution has well structured IT facilities with 1024Mbps Bandwidth connectivity and upgraded regularly.
- IT policy covers services like Purchase, Maintenance, Campus Network, Internet Connectivity and Security. About 940 computers utilized for both Academic and Administrative purpose and connected with LAN.
- Computing Facilities are maintained by the Inhouse System Administrator. Data Center which supports the IT Services

for Student Admission and Support, Administration, Office of Controller of Examination, Library, Hostel Management, Finance and Accounts. All the systems are secured with firewalls.

- CCTV Surveillance is installed in Institution premises and Hostels for safety purpose which is monitored regularly.
- Data Centre is available with the following Server Configurations in the Campus for the proper functioning of the computing facilities.
- Server details includes

1. 2 x Intel® Xeon® E5-2609 v4

4 x 8 GB RAM

5 x 500GB SSD

2. Intel® Xeon® Silver 4110

4 x 16 GB RAM

6 X 600 GB SAS 10K RPM HDD

5 x 2 TB SSD

2 x 2GB 930-8i Raid Controller

3. Intel® Xeon® E5-2403

1 x 16 GB RAM

4 X 4 TB NAS HDD

4. Intel® Xeon® 51201.86 GHZ

2 x 1 GB RAM

146 GB SATA 7.2K RPM HDD

5. Intel® Xeon® 2.8 GHZ

2 x 1 GB RAM

80 GB SATA 7.2K RPM HDD

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mec.edu.in/naac/cycle2/Criterion-4/4.3/4.3.1/CCTV-Wifi-Firewall-Details.pdf

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
2951	940

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 50 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

A. All four of the above

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mec.edu.in/mvlc/index.html
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)

1260.70

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.

- Institution has Procedures and Policies for Maintaining and Utilizing Physical, Academic and Support Facilities like,
- Laboratories, Industry Linked Laboratories are periodically maintained. Purchase of equipments and their maintenance in Laboratories are carried out. Stock Registers, Consumable Registers and Utilization Registers are verified by the Audit Team Annually
- Class rooms are maintained with various delivery modes of Innovative Techniques for the enhancement of Teaching and Learning Process
- Central Library facilities are strengthened every year through continuous procurement. Digital resources like DELNET, NDLI, e-Books, e-Journals, NPTEL Lectures, CD and Videos are available in the Library. Library has Subscribed Membership in DELNET, NDLI, American Library, British Council and Shodh Sindhu
- Institution has 940 Computers with Printers, Scanners, Open Source Software and Internet Bandwidth of 1024Mbps and CCTV Surveillance. It provides the IT services like Purchase, Maintenance and Campus Network are maintained by the experienced In-house System Administrator
- Gymnasium and Sports are well equipped and maintained by the Physical Education Department
- Transport department takes care of the Vehicle's Maintenance and Service
- Solar Power Generation System, Campus Cleanliness, Maintenance of the interior facilities like Classrooms, Laboratories, Library, Medical Centre, Hostel, Canteen, RO Plant, Pathway, Staircase and other general amenities are monitored and Maintained by Estate Office

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mec.edu.in/facilities/
STUDENT SUPPORT AND PROGRESSION	
5.1 - Student Support	
5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year	
1825	
File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File
5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year	
866	
File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File
5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology	A. All of the above

File Description	Documents
Link to Institutional website	https://mec.edu.in/clubs-and-centres/yoga-and-meditation/
Details of capability development and schemes	View File
Any additional information	View File

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

1490

File Description	Documents
Any additional information	View File
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	View File

5.2 - Student Progression	
5.2.1 - Number of outgoing students who got placement during the year	
404	
File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
5.2.2 - Number of outgoing students progressing to higher education	
17	
File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File
5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year	
5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year	
97	
File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File
5.3 - Student Participation and Activities	
5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year	
02	

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

The Student Council is establishing with representatives from all the discipline maintaining the Gender Equity to discuss on Academic, Co-Curricular and Extra- Curricular and Administrative activities in the Campus. The Students are actively engaged in various Technical forums/Clubs/Professional Chapters. The Students are participated in various Administrative forums: Academic Council, Board of Studies, Department Association, Class Committee Meeting, Library Committee, Anti-Ragging Committee, Canteen Committee, Hostel Committee, Internal Complaints Committee, Discipline and Welfare Committee, Grievance Redressal Committee, Institution's Innovation Council (IIC), Internal Quality Assurance Cell, Training and Placement Cell, Women Empowerment Cell, Yoga and Meditation Club, Disabled Committee, SC-ST Committee, Sports Committee and Extra Curricular Committee.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mec.edu.in/about-us/committees/

5.3.3 - Number of sports and cultural events / competitions organised by the institution

31

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	View File

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

- Alumni Association was registered in 2005 (Registration Number 02/2005) with more than 10000 registered Alumni
- Alumni Meet is organized in the Institution and outside the Campus(Chennai and Bangalore)
- Alumni are invited to have interaction with the Students and Mentor, through Alumni Interaction and Mentoring (AIM), around 105 Alumni's visited in the past five years
- Alumni are invited to be the Members in Academic Council and Board of Studies
- Alumni Contribution in terms of Financial Support is 2053000 rupees in the past five years

Notable Alumni Visited the Campus

ALUMNI NAME

BRANCH

BATCH

COMPANY

Thangapraksah Kaveri

CSE

2000-2004

Sohar International Urea and Chemical Industries, Oman

P.S.Ashok Kumar

CSE

2000-2004

Rally Health,CA, USA

K.R.Sukanya

CSE

2000-2004

TCS, Robbinsville NewJersey

G.Yogavishnu

EEE

2015-2019

Tata Consultancy Services Bangalore

C.Monica

EEE

2013-2017

Wipro Technologies Chennai

V.Vennilavan

ECE

2013-2017

Ramco Systems Chennai

P.Kalaiyaran

ECE

2006-2010

Health Inspector Government Hospital, Harur

N.Surendar

ECE

2004-2008

Junior Engineer BSNL,Salem

S.Karthika

CIVIL

2014-2018

SR Construction, Salem

P.Meemakshisundaram

IT

2008-2012

Danone Nutricia Research, Singapore

G.Chaithra

IT

2015-2019

CTS, Chennai

C.Nachammai

IT

2013-2017

Tech Mahindra, Chennai

S.Ramprakash

MECH

2006-2010

Tindia Piston Rings

Ltd, Chennai

S.Aravindbalaji

MECH

2006-2010

Zet-Organization

under MSME

R.Arun

MECH

2012-2016

Design Engineer, Oman

P.Navaneethan

MBA

2017-2019

Voltech Pvt. Ltd.

Chennai

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://alumni.mec.edu.in/

5.4.2 - Alumni's financial contribution during the year

A. ? 15 Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

Various Committees are constituted for Planning, Implementation and Monitoring of Academic, Administrative, Finance and all other related activities in the Campus. The Governing Council constituted with the nominees from Management, Teachers of the Institution, Educationist, Industrialist, UGC Nominee, State Government Nominee, University Nominee and Principal of the

Institution. The Governing Council meets once in a year and the Principal presents the agenda and notes covering the Milestones, Achievements and Challenges. The suggestions from the members are adopted into the system focusing on the Continuous Growth and Development.

The Institution has a perspective plan for development. Modernization of the existing facilities in align with the Latest Technology, implementation of new ventures for R&D, expansion of Infrastructure by means of additional Value Added Laboratories, Library Resources, Class rooms, Meeting Halls, ICT Facilities and Sporting Facilities are the usual Criteria in the annual plan of the Institution.

Teachers Participation in the Decision Making Bodies

Teachers participate in decision making bodies including Governing Council, Academic Council, Board of Studies, Department Academic Advisory Council, Curriculum Development Committee, Grievance Redressal Committee, Anti-Ragging Committee, Class Committees, Discipline and Welfare, Internal Quality Assurance Cell, Student Counselling and Women Empowerment Cell.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://mec.edu.in/about-us/committees/governing-council/

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Decentralization

The Governing Council has empowered and authorized the Principal for the everyday Academic Administration of the Institution. As the Head of the Institution and as the Chairperson of the Academic Council the Principal can take decisions on the academic functioning of the Institution. HODs has been bestowed with the authority of deciding the activities and delegating the responsibilities to the Staff Members. The Department decides on Timetable, Subject Allocation, Purchase and Maintenance of Equipment and Consumables, Organizing Conferences, Symposia, Guest Lectures and Workshops and recommends necessary Industrial Visits,

In-Plant Trainings, Internships and MoUs.**Participative Management**

Institution is functioning effectively with the culture of Participative Management which enables the Faculty and Students to give their opinion and suggestions for improvement. All the academic activities are decentralized and decisions are taken based on discussion and deliberations in the Class Committee Meeting, Department Meeting and Faculty Meeting. Every year academic planner is prepared at the closure of the previous Academic Year. Principal will convene the HODs' meeting. HODs, COE, Deans, Training & Placement, Librarian, Director of Physical Education and Student representatives will attend the meeting.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://mec.edu.in/wp-content/uploads/2023/05/mandatory-disclosure.pdf https://mec.edu.in/wp-content/uploads/2022/04/strategic-plan-2021-26.pdf

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

Institution having a five year Strategic Plan which was drafted in the year 2016. It was developed with the suggestions provided by, both Internal and External Stakeholders. The Strategic Plan was prepared for five successive years from 2016-17 to 2020-21. The Institution identified and developed Strategic Plan consists of the important goals keeping creation of knowledge in the mind. They are: Institutional Holistic Development, Infrastructure Development, Faculty Resources, Teaching -Learning: Academic Excellence, Examination Evaluation and Reforms, Research and Consultancy, Student Career Development and Higher Education, Alumni Interaction, Quality Assurance and Sustainability, Library and Information Centre.

Implementation and Monitoring

Status of the activities are reviewed by Department Academic Advisory Council, Academic Council and Governing Council and the Review Reports are shared to the Members involved to focus on the Strategic Plan.

Outcomes

Technology Learning Group (TLeG): Enhancing Student's knowledge in Emerging Technologies through 50 Technology Learning Groups.

Major Activities of TLeG are

- Identification of various Emerging Areas and guiding Multidisciplinary Projects
- Motivate the Students to choose the interested Emerging Technologies for deeper understanding
- Assigning Group Lead (Faculty Coordinator) to organize the Group Interactions and Reviews
- Organizing Seminars, Expert Lectures, Workshops, TechKnow Talks and Value Added Courses for the benefit of Students

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://mec.edu.in/wp-content/uploads/2022/04/strategic-plan-2021-26.pdf
Upload any additional information	View File

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

According to the Organogram, the Chairman of the Institution is the highest authority. Secretary, being an Academician with doctoral degree in Mechanical Engineering under Anna University, he directs, monitor and plays a key role in Academic Decision-Making, Administration, and the Institution's overall growth. The decision taken and the developmental projects suggested by the Chairman will be executed by the Principal, Deans, COE, HODs, Training and Placement Officer, Physical Director and Office Manager. HODs directs Teaching Faculty and Non Teaching Staff Members.

Statutory Body and Non Statutory Bodies have formulated policies

for appointment of the Teaching and Non Teaching Faculty, Administrative and Supporting Staff. The appointment of any Teaching Faculty is based on the required qualification. The recruitment is done through an advertisement both in Print Media and Digital. The eligible applicants are called for a Selection Process and take up a Technical Test and Presentation. A selection Committee constituted with HOD, Senior Faculty Members and External Experts conducts the interview for the candidates shortlisted after the test. The qualified Faculty Members are selected based on the merit. The Service Rules have been framed incorporating all the necessary details and disseminated to the entire Teaching and Non Teaching Faculty, Administrative and Supporting Staff.

File Description	Documents
Paste link to Organogram on the institution webpage	https://mec.edu.in/wp-content/uploads/2023/05/mandatory-disclosure.pdf
Upload any additional information	View File
Paste link for additional Information	https://mec.edu.in/naac/cycle2/Criterion-6/6.2/6.2.2/Employee-Handbook.pdf

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

Institution in general takes care of its Employee's Welfare

.Institution encourages a worthwhile Welfare Schemes to all the Teaching and Non-Teaching Staff to boost the morale of the employees and thus make them motivated to work efficiently.

Some of the Welfare Measures are

- Incentive for Publication of Research Papers and Books
- Incentive for participating in Technical Events like Workshop, Seminar and Faculty Development Programme, etc
- Incentive for writing NPTEL Exam and NPTEL Toppers
- Special Incentives for the Best Research Work and Seed Money for Research Projects
- Employees are provided Free Transport Facility
- Employees are covered under Medical Insurance Facility
- Institution also provides the facility of Employee Provident Fund (EPF) for its Employees
- Interest-free advance to Staff in the form of festival advance
- Yoga and Medical Centre is available inside the Institution to Students and Staffs
- the Institution provides various leave benefits to all the Employees such as Casual Leave, Special Leave, Medical Leave and Maternity Leave
- On Duty to Faculty Members representing the Institution for Academic and Administrative Work
- Financial Support for Staff (Son/Daughter) Marriage is also in practice

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mec.edu.in/naac/cycle2/Criterion-6/6.2/6.2.2/Employee-Handbook.pdf

6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year

342

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

111

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

286

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Financial Planning and Management is the insight of the Institution in strategizes its growth and development activities. The Institution has a strong Financial Management System in place. Utilization and implementation of the Budget is monitored through Internal and External Auditing. Internal Audit is conducted half yearly basis and External Audit is conducted annually by External

Auditor at the end of every financial year.

The Auditors conduct the audit of accounts by, scrutinize and verify all Payments, Receipts and Journals Vouchers of the Transactions, Cash Books, Ledger Account and all bank accounts in every financial year. The Audited Statements of accounts are presented to the Finance Committee and the Governing Council.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mec.edu.in/wp-content/uploads/2022/05/Audited-Statement-2020-21.pdf

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

2.62

File Description	Documents
Annual statements of accounts	View File
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	View File

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Funds Mobilization

- A major source of revenue for the Institution is from the Tuition Fee collected from the Students as per the guidelines of the State Government
- Students pay the Examination Fee for the End Semester Examinations
- Grants Sanctioned based on the proposals submitted to the Government and Non Government
- Funding Agencies
- Grants through Consultancy activity
- Grants through Alumni Contribution

Utilization of Funds

- Department requirements like, Capital Purchase, Consumables, Research, Extension Activities and Innovations
- Expenditure of different Cells viz., R&D Cell, Exam Cell, T&P Cell, ICT, Sports, Seed Money Support, NSS Cell, etc
- Other Budget Provisions - Salary, Statutory requirements like PF, Scholarship, Electricity, Maintenance, Student Welfare, Staff Welfare, Library, Physical Facilities and Infrastructure, etc.,

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://mec.edu.in/wp-content/uploads/2022/05/Audited-Statement-2020-21.pdf

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

The prime objective of the Internal Quality Assurance Cell (IQAC) is to devise Quality Parameters and Benchmarks for the Academic and Administrative Activities of the Institution. It promotes the implementation of the Best Practices which suites to the Institution as well as Department through the active participation of all Stakeholders in Quality Enhancement Process. Student Activities Credits - Target (SACT) Evaluation and Semester - wise Activities by Faculty for Excellence (SAFE) are briefed as samples.

Practice I: SACT (Student Activities Credits - Target) Evaluation

Objectives

- To enhance the number of participation in various activities
- To expand the network among the Students of other Institutions
- To create involvement of all Students

Practice II: SAFE (Semester - wise Activities by Faculty for Excellence)

Faculty Members are encouraged and provided opportunities to enhance their profile in terms of Participation in Workshops, Seminars, FDPs, Online Courses, Interaction with Eminent Professors, Preparation of Learning Material on Advanced Topics, Proposals Submission for Grants, Motivating Students for Paper Presentation/Project/Contest and Publications. In this context, achievable targets in all categories of activities are set in consultation with Faculty Members to focus in a Semester and reviewed at the end of the Semester.

Objectives

- To motivate the Faculty Members to contribute for Academic Excellence
- To enrich their Knowledge in relevant Domain

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mec.edu.in/wp-content/uploads/2022/05/innovative-practices-students.pdf

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

Internal Quality Assurance Cell (IQAC) was established in 2016 with the motto of assuring the Quality of Technical Education at Muthayammal Engineering College as a Post-Accreditation Quality Sustenance Measure. IQAC ensures the effective implementation of quality initiatives through continuous reviews and periodic meetings. IQAC works towards realization of the goals of quality enhancement & sustenance in all Academic and Administrative endeavors of the Institution.

I. Teaching Learning Process

- Institution reviews the Teaching Learning Process, Methodologies and Learning Outcomes at periodical intervals in associating with IQAC
- Effectiveness of Teaching and Learning Process is analyzed through feedback mechanism. The structured feedback is framed for Students, Faculty, Alumni, Employers and Parents.

Feedback Analysis and action taken report is reviewed

- Innovative Practices are followed for the benefit of Students and Faculty Members
- Professional Societies, Cells, Clubs (ProSoCC) and ProCentres for conducting various Programs
- The above Teaching Learning activities of the Institution are organized through ProPlan, ProTech, ProCentres and ProSoCC for both Students and Faculty Members

II. Audit Process

Audit is to ensure the effective functioning of the Academic and Administrative Activities for Quality Enhancement. Auditing is carried out at regular intervals as Internal Audit two per year and External Audit one per year. The quality of Teaching-Learning has been improved through auditing process.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mec.edu.in/wp-content/uploads/2022/04/academic-audit-report-2020-21.pdf

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://mec.edu.in/wp-content/uploads/2022/05/iqac-annual-report-2020-21.pdf
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Muthayammal Engineering College is striving to sensitize the gender equity among the Student Community which is the need of the day.

Women composition in the Institution

Women Empowerment Cell (WEC) was established in 2006.

Female Faculty Members : 39%

Female Students : 24%

Female Supporting Staff : 31%

Female Students are actively involved in Board of Studies (BoS) and other Committees and Clubs in Key Positions.

Promotion of Gender Equity

S.No.

Parameters

Academic

Year

(2020-21)

1

Women Faculty in Key Position, Co-ordinator of Cells & Clubs

20

2

Academic Star Girl Child Award

7

3

Best Student (Girl Students)

3

4

Program organized

13

5

Girls' Participation in NSS

100

6

Girls Participation in YRC

50

- Major Activities of Women Empowerment Cell includes, Issues and Challenges in Women Health, Re-Strengthening of Mind during Pandemic, Sparsh Leprosy Awareness Campaign, etc.,
- Campus has 170 Surveillance Camera for 24 x 7
- 100 Fire Extinguishers are installed at various locations
- Gym ,Yoga Centre, Medical Center and Ambulance facilities
- Anti-Ragging Committee, Grievance Redressal /Sexual Harassment Committee and Disciplinary Committee ensure

Safety and Security in the Campus

- Mentor-Mentee System is functional in the Campus for Academic associated activities by the Students.
- Common rooms are available for Girls as well as Boys

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://mec.edu.in/naac/cycle2/Criterion-7/7.1/7.1.1/Geotagged-Photos.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

- Solid waste management
- Liquid waste management
- Biomedical waste management
- E-waste management
- Hazardous chemicals and radioactive waste management
- Waste recycling system

Waste Management of Degradable and Non-Degradable waste is done with the facilities available in the Institution. In addition, the awareness programs on Waste Management are conducted under the schemes like Swatch Bharat, Clean India and Jal Shakti

Solid Waste Management

- Solid Wastes are collected and segregated in various Garbage Bins
- Biodegradable and Non-Biodegradable wastes are separated

- Degradable Wastes are utilized for preparing the manure for Gardening and Farming

Liquid Waste Management

- Liquid Wastes are collected and processed with treatment plant
- Treated water is recycled for maintaining the Lawns, Gardens and Trees
- RO plant waste is used for Gardening

Biomedical Waste Management

- Sources of Bio Medical Waste in the Campus are from the Laboratories of Bio Technology, Bio Medical Engineering, Medical Electronics and Medical Centre
- Waste are collected, segregated and disposed
- Dispensary waste are disposed using Incinerator

E-Waste Management

- E-Wastes generated from Computer, Electronics and Electrical Laboratories are collected and disposed
- Certified with Naturevolt Recyclers India Pvt. Ltd. to dispose the E-Waste materials

Hazardous Chemicals and Radioactive Waste Management are not demandable in the Campus.

Waste Recycling System

- Solid as well as Liquid Wastes are recycled to prepare the Manure

Recycled water is used for Gardening and Maintenance

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	A. Any 4 or all of the above
File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	View File
7.1.5 - Green campus initiatives include	
7.1.5.1 - The institutional initiatives for greening the campus are as follows: <ol style="list-style-type: none"> 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping 	A. Any 4 or All of the above
File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File
7.1.6 - Quality audits on environment and energy undertaken by the institution	
7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 	A. Any 4 or all of the above

5. Beyond the campus environmental promotional activities

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	View File
Any other relevant information	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).

Efforts taken for Tolerance and Harmony towards Cultural, Regional, Linguistic, Communal, Socio Economic and other Diversity
Institution takes initiatives to provide inclusive environment for

tolerance and harmony towards Cultural, Regional, Linguistic, Communal, Socio-Economic and Other Diversity.

- 90% of the Student strength is from Tamilnadu and 10% of the Students are from Andhra Pradesh and other States
- Cultural Diversity is shared among the Students are through Cross-Cultural Celebrations
- Students from the other States are motivated to participate in the Cultural Festivals of Tamil Nadu organized in the Campus
- Students of all Regions are encouraged to participate in the Extra-Curricular activities
- Tamil Medium Students are provided English Language Teaching to make them comfortable
- To enable the Students to work across the world, the other Japanese Languages
- Students are Multi-Religion and Multi-Lingual (FC -5.2%, BC-55%, BCM-2%, MBC-22.8% & SC/ST-15%)
- Annually Pongal Celebrations are participated by the Faculty and Students irrespective of Religion and Community
- Socio-Economic barriers is broken through Scholarship and other Financial as well additional supports
- Food Culture has been followed for other State Students

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

Students and Faculty are Sensitized through various activities related to Constitution

- Course on Constitution of India is introduced in the Curriculum
- In addition the Courses on

1.Value Education

2.Yoga and Values for Holistic Development

3.Universal Human Values: Understanding Harmony and Professional

Ethics & Human Values

- Various Clubs/Cells also established to have Programmes on Rights, Values and Responsibilities of Engineers
- Programmes on Road Safety, Helmet Awareness, Safe Practices such as Plastic Ban, Water Conservation, Water Conservation, Waste Segregation, Cleanliness and Anti-Pollution
- NSS, Youth Red Cross units play vital role in organizing outreach activities where more Students take part to disseminate the information to the Public

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	View File

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized

A. All of the above

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	View File
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events

and festivals

Institution celebrates National and International Commemorative Days, Events and important Festivals

- Our Mother Nation's Independence and Republic Day are celebrated with enthusiasm
- Swachh Bharat Mission, Swachh Bharat Abhiyan the Clean India Mission is focused to make Clean Campus
- Gandhi Jayanti ,Engineers Day , National Science Day and Teachers Day is celebrated every year
- International Space Week is celebrated between 4th to 10th October to promote Maths, Science, Technology and Engineering Education various events are organized in collaboration with DRDO/Baba Automatic Research Centre
- World Students Day and National Mathematics Day is celebrated and as part of this celebration various events like, Math Quiz, Paper Presentation, Suddoku, Logical Reasoning, Puzzle and Number Game are organized
- World Environment Day, World Pulses Day is celebrated on 5th June every year and the Environmental Club organizes awareness on Environment and Sustainability to promote Green, Plastic Free Campus and food culture
- World Health Day, World Cancer Day and World Leprosy Day is celebrated in collaboration with nearby Hospitals
- International Women's Day is celebrated on 8th March, to mark the celebration various events which brings the Empowerment and Challenges among Women in the Society are organized
- International Yoga Day is celebrated on 21st June under Yoga and Meditation Club in association with Isha Foundation
- In addition, Traditional Festivals like Pongal, Diwali, Ayudha Pooja and Saraswathi Pooja are celebrated to commensurate the significance of our Traditional Culture and life style

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

1. Title of the Practice

TASTE - Teacher's Associated Seminar Towards Excellence

(By the Teachers for the Teachers)

2. Objectives of the Practice

- To enhance the Teaching Methodology with Innovation
- To ensure the Interaction with Co-Teachers for Multidisciplinary Activities

3. The Context

Teachers are expected to undergo Teacher Training Programme for minimum of two months to enhance their Teaching Skills. Technical Teachers are not undergoing training because it is not mandatory. Hence, the need for informal training has become necessary. Induction Programme & Seminar is conducted to enhance the Teaching Skills.

4. The Practice

- Monthly schedule is prepared
- Every day fourth period is allocated
- Faculty free from academic will attend the Seminar
- Record of the daily activity is maintained
- Faculty Members who have presented / shared the information are provided with Certificates

5. Evidence of Success

The Seminars have enhanced the teaching learning by the Faculty Members and also motivate the Faculty Members to have more interaction with other Department Colleagues for Multidisciplinary Activities.

6. Problems Encountered and Resources Required

Resources are available and no Problem Encountered in TASTE

7. Notes (Optional)

- In Teaching Profession, it is important to update periodically with New Ideas, Methods, Technologies and Research Findings. Sharing of knowledge enhanced the potential of Faculty
- Success is proved by Faculty with outside interaction and invited talk by Faculty to other Institution

File Description	Documents
Best practices in the Institutional website	https://mec.edu.in/wp-content/uploads/2022/05/Best-Practices-AY-2020-21.pdf
Any other relevant information	https://mec.edu.in/wp-content/uploads/2022/05/innovative-practices-faculty.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

Rural Upliftment through Technical Education

Motto of the Institution is to uplift the Rural Community through Technical Education and objective is to provide affordable Engineering Education for the Rural Students of poor and illiterate Parents. Based on economical background and +2 cut off marks Meritorious Scholarship, Fee waiver, Hostel Fees and Transport Fees concession are provided to Students. Also Tuition Fees concession is given for the siblings of Alumni. The First Generation Graduates in the Institution are nearly 23 %. Majority of the + 2 Students are belongs to Vernacular Medium completed their School Education in Government and Private Schools.

To enhance the Communication Skills, the Training and Placement Cell provides Soft Skills Training in association with External Agency from the First Year onwards. In addition Training module courses on Quantitative Aptitude, Verbal Reasoning and Technical Skills. Foreign language - Japanese Training is offered to interested Students which supports for the Placement. Students are encouraged for Higher Studies in India and Abroad by organizing programs through Higher Education Cell and Muthayammal GATE Academy. Career Guidance Cell conducted various Awareness Programs on Competitive Examinations like UPSC, TNPSC, RRB, SSC, etc.

The success of the Rural Upliftment through Technical Education for our Students is apparent from their placement record. Among the placed Students about 58 % of the Students are from Rural Background

File Description	Documents
Appropriate link in the institutional website	https://mec.edu.in/wp-content/uploads/2022/05/Institutional-Distinctiveness-AY2020-21.pdf
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

- To be within Top 10 Ranks among all Engineering Colleges in Tamil Nadu
- To get all eligible UG Programs Accredited by NBA under Tier-I
- To be Accredited as NAAC A++ College
- To march towards University Status
- To achieve 100% Placement for all Eligible Students
- To focus on National/International Institution Awards & Ranking
- To focus on Global Brand Building
- To sign MOU's with National / International Universities
- To Foster Social responsibility in Higher Education for Holistic Development