



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	<b>MUTHAYAMMAL ENGINEERING COLLEGE (AUTONOMOUS)</b>
Name of the head of the Institution	<b>Dr .M.Madheswaran</b>
Designation	<b>Principal</b>
Does the Institution function from own campus	<b>Yes</b>
Phone no/Alternate Phone no.	<b>04287226837</b>
Mobile no.	<b>8754008537</b>
Registered Email	<b>principal@mec.edu.in</b>
Alternate Email	<b>coe@mec.edu.in</b>
Address	<b>Kakkaveri, Rasipuram</b>
City/Town	<b>Namakkal</b>
State/UT	<b>Tamil Nadu</b>
Pincode	<b>637408</b>

<b>2. Institutional Status</b>																			
Autonomous Status (Provide date of Conformant of Autonomous Status)	<b>27-May-2016</b>																		
Type of Institution	<b>Co-education</b>																		
Location	<b>Rural</b>																		
Financial Status	<b>Self financed</b>																		
Name of the IQAC co-ordinator/Director	<b>Dr.N.Suthanthira Vanitha</b>																		
Phone no/Alternate Phone no.	<b>04287220837</b>																		
Mobile no.	<b>9965531515</b>																		
Registered Email	<b>iqac@mec.edu.in</b>																		
Alternate Email	<b>dean.qa@mec.edu.in</b>																		
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)	<a href="http://www.mec.edu.in/pdf/AOAR_2017-18.pdf">http://www.mec.edu.in/pdf/AOAR_2017-18.pdf</a>																		
<b>4. Whether Academic Calendar prepared during the year</b>	<b>Yes</b>																		
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="http://www.mec.edu.in/">http://www.mec.edu.in/</a>																		
<b>5. Accrediation Details</b>																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td><b>1</b></td> <td><b>B</b></td> <td><b>2.52</b></td> <td><b>2016</b></td> <td><b>17-Mar-2016</b></td> <td><b>16-Mar-2021</b></td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	<b>1</b>	<b>B</b>	<b>2.52</b>	<b>2016</b>	<b>17-Mar-2016</b>	<b>16-Mar-2021</b>
Cycle	Grade	CGPA	Year of Accrediation	Validity															
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<b>1</b>	<b>B</b>	<b>2.52</b>	<b>2016</b>	<b>17-Mar-2016</b>	<b>16-Mar-2021</b>														
<b>6. Date of Establishment of IQAC</b>	<b>04-Jun-2016</b>																		
<b>7. Internal Quality Assurance System</b>																			
Quality initiatives by IQAC during the year for promoting quality culture																			
Item /Title of the quality initiative by IQAC	Date & Duration		Number of participants/ beneficiaries																
<b>IQAC Meeting 1</b>	<b>11-Jul-2018</b>		<b>15</b>																

[View File](#)**8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr.S.Saravanan	Seminar Grant	CSIR	2019 2	30000
Dr.P.Suresh	DIT	TNSCST	2018 3	50000
Dr.P.Suresh	Seminar	SERB	2018 3	50000
No Files Uploaded !!!				

**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View File](#)**10. Number of IQAC meetings held during the year :**

4

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)**11. Whether IQAC received funding from any of the funding agency to support its activities during the year?**

No

**12. Significant contributions made by IQAC during the current year(maximum five bullets)**

1.Coordinating Board of Studies Meeting and Academic Council Meeting.  
 2.Conducting Administrative and Academic Audit. 3.Planning and Monitoring the Academic Programme to attain the target. 4.Quality Audit for Academic Accomplishment. 5.Promoting Institutional Best Practices.

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**13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year**

Plan of Action

Achievements/Outcomes

Plan of activities for the Academic Year 2018 - 2019	Institution and Department level meetings were scheduled and monitored.
<a href="#">View File</a>	

14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Governing Council	22-Mar-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2018
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Date of Submission	05-Feb-2019
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17. Does the Institution have Management Information System ?	Yes
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If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>To enhance the quality of paperless administration ERP Management Information System with following modules are executed.</p> <ul style="list-style-type: none"> <li>• Student Management</li> <li>• Academic Management</li> <li>• Online Learning Management System</li> <li>• HR Management</li> <li>• Hostel Management</li> <li>• Central Library Management</li> <li>• Finance Management</li> <li>• COE Administration</li> <li>• Certificate Issuing</li> <li>• Automatic SMS delivery to the parents for absenteeism of their wards, students performance in the CIA Test, e circular notifications etc.,</li> <li>• Performance Reports, Access Reports, Online Entries and Enquiries.</li> <li>• Online web portal for Faculty and Students.</li> <li>• Selection of Faculty Members and elective subjects under CBCS.</li> <li>• Students attendance entry and report generation.</li> <li>• Result Analysis for the CIA Test and Model Exam. The system helps the Management, Principal, HODs and Faculty to view the academic details of the students.</li> <li>Parent/Guardian can get assistance about their ward through Mobile as SMS</li> <li>.</li> </ul>
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## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BE	CE	Civil Engineering	23/07/2018
BE	CS	Computer Science and Engineering	23/07/2018
BE	EC	Electronics and Communication Engineering	23/07/2018
BE	EE	Electrical and Electronics Engineering	23/07/2018
BE	ME	Mechanical Engineering	23/07/2018

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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BE	Civil Engineering	23/07/2018	16CEF01/Project Work Phase -I	23/07/2018
BE	Civil Engineering	23/07/2018	16CEF02/Project Work Phase -II	23/07/2018
BE	Civil Engineering	23/07/2018	16CEF03/Comprehensive Skill	23/07/2018
BE	Civil Engineering	23/07/2018	16CSF04/Design Project	23/07/2018

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#### 1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Chemical Engineering	23/07/2018
BTech	Bio Technology	23/07/2018
BE	Medical Electronics	23/07/2018
BE	BioMedical Engineering	23/07/2018

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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Civil Engineering	23/07/2018
BE	Computer Science and Engineering	23/07/2018
BE	Electronics and Communication Engineering	23/07/2018
BE	Electrical and Electronics Engineering	23/07/2018
BE	Mechanical Engineering	23/07/2018
BTech	Information Technology	23/07/2018
BTech	Chemical Engineering	23/07/2018
BTech	Bio Technology	23/07/2018
BE	Medical Electronics	23/07/2018
BE	BioMedical Engineering	23/07/2018
ME	Computer Science and Engineering	23/07/2018
ME	Communication Systems	23/07/2018
ME	VLSI Design	23/07/2018
ME	Power Systems Engineering	23/07/2018
ME	CAD/CAM	23/07/2018
MBA	Master of Business Administration	23/07/2018

### 1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Total Station on Survey	12/07/2018	139
Awareness on Vasthu	17/07/2018	141
<a href="#">View File</a>		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Civil Engineering	50
BE	Computer Science and Engineering	34
<a href="#">View File</a>		

### 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes

Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?  
(maximum 500 words)

#### Feedback Obtained

• Feedback is obtained from all the stakeholders, so as to take corrective actions for the progress of Institution. • Feedback is analyzed using various criteria to guide the Institution in a successful development path. • Student's feedback on each course in a semester was obtained through online system using Google forms at the end of each semester. • In addition to this, feedback on Teaching Learning is obtained from the students on completion of their course. • Following this, Course Outcome and Staff Evaluations are done by obtaining the feedback from students. • Based on the collected Faculty Evaluation Reports, Students Feedback, Staff Self -Appraisal and Stakeholders feedbacks are discussed along with their setbacks and corrective measures to be taken are discussed during the IQAC meetings regularly. • Parent's Feedback is collected and discussed during the Parents Teachers Meeting. • Based on the above analysis, the following activities are enhanced. • Numbers of Value Added courses are increased to enhance the knowledge of the students. Industrial Linked Laboratories are focused, to equip the students to gain practical exposure. • Additional Faculty Development Programmes are organized to make the Faculty Members stay updated in their area of expertise.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Chemical Engineering	60	87	15
BTech	Bio Technology	60	89	14
BTech	Information Technology	60	127	57
BE	Medical Electronics	60	68	9
BE	BioMedical Engineering	60	76	23
BE	Mechanical Engineering	180	224	101
BE	Electrical and Electronics Engineering	120	168	73
BE	Electronics and Communication Engineering	180	317	130
BE	Computer Science and Engineering	120	192	114

<b>BE</b>	<b>Civil Engineering</b>	<b>90</b>	<b>104</b>	<b>20</b>
<a href="#">View File</a>				

## 2.2 – Catering to Student Diversity

### 2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
<b>2018</b>	<b>2411</b>	<b>162</b>	<b>226</b>	<b>24</b>	<b>7</b>

## 2.3 – Teaching - Learning Process

### 2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
<b>257</b>	<b>257</b>	<b>13</b>	<b>13</b>	<b>8</b>	<b>25</b>

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

### 2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Faculty Mentoring/Counselling System • Maximum 15 students are assigned to a faculty mentor for counselling to mentor them in order to improve academic performance. • Identified students are provided remedial classes. • Counselling is done to enhance the skill sets. Students – Student Mentoring System • Slow Learners are adopted to bright students to discuss their academic and personal issues.. • Slow learners are motivated to learn from the peer group students. Alumni Mentoring System • Alumni interaction is organized periodically to motivate and to increase the confidence. • Students are attested to Alumni's know about the recent technology in industries. • Students can have a direct contact with Alumni's for their Carrier growth.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
<b>2573</b>	<b>257</b>	<b>1 : 12</b>

## 2.4 – Teacher Profile and Quality

### 2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
<b>257</b>	<b>257</b>	<b>Nil</b>	<b>59</b>	<b>37</b>

### 2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
<b>2019</b>	<b>Dr. P. Suresh</b>	<b>Professor</b>	<b>NPTEL Mentor Recognition Certificate</b>



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## 2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	ME	I/I	26/12/2018	09/04/2019

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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
Nil	Nil	0

## 2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<http://www.mec.edu.in/>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
ME	BE	Mechanical Engineering	198	140	70.70

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## 2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<http://www.mec.edu.in/>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes
Name of the teacher getting seed money
Prof . V . Rajendran / CIVIL
<a href="#">View File</a>

### 3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
<b>No Data Entered/Not Applicable !!!</b>				
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### 3.2 – Resource Mobilization for Research

#### 3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Interdisciplinary Projects	180	METRF	0.65	0.65
Students Research Projects (Other than compulsory by the University)	180	METRF	1.2	1.2
<b>Total</b>	<b>180</b>	<b>METRF</b>	<b>3.05</b>	<b>3.05</b>
Minor Projects	180	METRF	1.2	1.2
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#### 3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

7
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### 3.3 – Innovation Ecosystem

#### 3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
One Day Workshop on Masonry Training Programme	CIVIL	22/03/2019
Two Days Workshop on Total Station	CIVIL	08/03/2019
Global AI Boot Camp 2018	CSE	15/12/2018
<a href="#">View File</a>		

#### 3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Contribution and Achievements in the field of ECE	Dr.T.R.Ganesh Babu	Venus International Foundation, Chennai	07/07/2018	Distinguished Faculty Award in Engineering
Technical Contribution	Dr.N.Mohanant hini	The Institution of	11/03/2019	Best Young Women Engineer

		<b>Engineers (India)</b>		
<b>Business idea Challenger Award 2019</b>	<b>R.Vasanthi</b>	<b>Small and Medium scale Industry</b>	<b>01/04/2019</b>	<b>1st Prize with cash Award Rs.10000/-</b>
<b>Academic Excellence</b>	<b>D.Bathrinath</b>	<b>The Institution of Engineers (India)</b>	<b>11/03/2019</b>	<b>Best Student Award</b>
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
<b>No Data Entered/Not Applicable !!!</b>					
<a href="#">View File</a>					

### 3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
<b>Computer Science and Engineering</b>	<b>1</b>
<b>Electronics and Communication Engineering</b>	<b>4</b>
<b>Mechanical Engineering</b>	<b>3</b>

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
<b>National</b>	<b>MBA</b>	<b>2</b>	<b>3</b>
<b>International</b>	<b>CIVIL</b>	<b>5</b>	<b>2.3</b>
<b>International</b>	<b>CSE</b>	<b>7</b>	<b>0.5</b>
<b>International</b>	<b>ECE</b>	<b>11</b>	<b>1.7</b>
<b>International</b>	<b>EEE</b>	<b>3</b>	<b>3.45</b>
<b>International</b>	<b>MECHANICAL</b>	<b>9</b>	<b>0.96</b>
<b>International</b>	<b>IT</b>	<b>2</b>	<b>1.5</b>
<b>International</b>	<b>S and H</b>	<b>2</b>	<b>1.17</b>
<b>International</b>	<b>MBA</b>	<b>2</b>	<b>5.3</b>
<a href="#">View File</a>			

3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
<b>Electrical and Electronics Engineering</b>	<b>2</b>
<b>Electronics and Communication Engineering</b>	<b>5</b>
<b>Computer Science and Engineering</b>	<b>3</b>

<b>Civil Engineering</b>	<b>3</b>
<b>Mechanical Engineering</b>	<b>2</b>
<b>Information Technology</b>	<b>1</b>
<b>MBA</b>	<b>3</b>
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#### 3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
<b>Metal conductivity based Ground Water Monitoring Device with webpage for Public Information System</b>	<b>Published</b>	<b>201841025035A</b>	<b>13/07/2018</b>
<b>A Device for Assisting a Disabled Person for Converting Commands Given by Fingers</b>	<b>Published</b>	<b>201841043110A</b>	<b>23/11/2018</b>
<b>Intelligent Secure and Safety System for the Welfare of the Women Society</b>	<b>Published</b>	<b>201941022431</b>	<b>07/06/2019</b>
<b>Smart Wireless Power Charging System for INTRA-BMI</b>	<b>Published</b>	<b>201941023595</b>	<b>19/06/2019</b>
<b>Low Cost Smart Spectacles Vibration Device for Visually Impaired People</b>	<b>Published</b>	<b>201841025036A</b>	<b>13/07/2018</b>
<a href="#">View File</a>			

#### 3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
<b>Fabrication, Characterization and analysis of Improvements in Mechanical Properties of AA7075/ZrB2 in-</b>	<b>Dr.S.Sundaram</b>	<b>Measurement</b>	<b>2019</b>	<b>3</b>	<b>Muthayam Engineering College</b>	<b>3</b>

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### 3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
<b>Non Linear Filtering Technique used for Testing the Human Lumbar Spine FEA Model</b>	<b>E.Punarselvam</b>	<b>International Journal of Medical Systems</b>	<b>2019</b>	<b>1</b>	<b>1</b>	<b>Muthayamal Engineering College</b>
<a href="#">View File</a>						

### 3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
<b>Attended/Seminars/Workshops</b>	<b>15</b>	<b>96</b>	<b>14</b>	<b>13</b>
<b>Presented papers</b>	<b>45</b>	<b>24</b>	<b>14</b>	<b>18</b>
<b>Resource persons</b>	<b>3</b>	<b>10</b>	<b>20</b>	<b>40</b>
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## 3.5 – Consultancy

### 3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
<b>Electrical and Electronics Engineering</b>	<b>IOT based Network Security for Automation</b>	<b>Ozone Cyber Security</b>	<b>100000</b>
<b>Electrical and Electronics Engineering</b>	<b>Arduino based Power Loom Automation</b>	<b>Shri Sivanantha Exports</b>	<b>200000</b>
<b>Mechanical Engineering</b>	<b>Designing 3D Printing of Impeller</b>	<b>Pearl Industrials</b>	<b>180000</b>
<a href="#">View File</a>			

### 3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
<b>Nil</b>	<b>Nil</b>	<b>Nil</b>	<b>0</b>	<b>0</b>

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### 3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Sponsored Water Drum to the Lower Class School Students - Helping Programme	NSS	2	610
Road Safety Awareness	NSS and Traffic Police Department, Rasipuram.	2	1612
Republic Day Celebration	NSS and MEC	2	918
Seminar on Cyber Crime, Information Security Cyber Forensics	NSS and Police Department, Salem	2	659
Blood Donation Camp	NSS and Govt. Hospital, Rasipuram.	2	301
Independence Day Celebration	NSS and MEC	2	461
Helmet- Awareness Rally	NSS and Police Department, Rasipuram	2	252
Rain Water Recharge Pit Filling	NSS and NGO's	2	108

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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Nil	Nil	Nil	Nil

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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/ collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activities
YRC	Muthayammal Engineering College	Cancer Awareness Programme	3	364
YRC	Muthayammal	Orientation	4	445

	Engineering College	Programme to Engineering Students about YRC	
<a href="#">View File</a>			

### 3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Internship	Faculty	iGenuine Soft Solutions	3
Internship	Faculty	NIRT Renewable Energy Pvt. Ltd.,	5
Internship	Faculty	Zero Discharge Tech. Pvt. Ltd.,	5
Internship	Faculty	Salem District Co-Operative Milk Producers Union Ltd.	5
R and D Training	Faculty	Pentagram Research Centre Pvt.Ltd.,	5
<a href="#">View File</a>			

3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	HRM	SERVION Global Solutions Ltd.	16/01/2019	24/04/2019	Students
Internship	Software Trainee	GoDB Tech, Chennai	18/02/2019	25/04/2019	Students
Internship	Embedded Systems Training	iGenuine Soft Solutions, Chennai	12/11/2018	16/11/2018	Students
Internship	Optical Systems Training	Veltech Rangarajan D r. Sagunthala R D Institute of Science Technology, Chennai	04/02/2019	09/02/2019	Students
Job Training	PLC panel work	IOLOGIX Automation, Chennai	24/01/2019	01/02/2019	Students

		nnai			
Internship	IOT Training	Nitroware Technologies Pvt .Ltd, Coimbatore	13/05/2019	17/05/2019	Students
Internship	IOT Training	Nitroware Technologies Pvt .Ltd, Coimbatore	04/06/2019	08/06/2019	Students
Internship	HRM	Radison Pvt Ltd, Salem	16/01/2019	24/04/2019	Students
Internship	HRM	Salem District Co-Operative Milk Producers Union Ltd., Salem	16/01/2019	24/04/2019	Students
<a href="#">View File</a>					

3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Global Core Technology, Salem.	03/10/2018	Software Training and Certification Courses and Student Projects	47
C Cube Technologies, Salem.	03/12/2018	Software Training and Certification Courses and Student Projects	31
IOLOGIX Automation solutions, Chennai	23/08/2018	Training Program for Students and Faculty, Students Project work and Internship	62
Pavanmitra Aero Energies, Palladam	25/01/2019	Seminars and Workshops	85
IOLOGIX Automation Solutions, Chennai	24/10/2018	Training Program for Students and Faculty, Students Project work and Internship	50
IOLOGIX Automation Solutions, Chennai	16/08/2018	Training Program for Students and Faculty, Students Project work and Internship	64
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**CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES****4.1 – Physical Facilities**

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
111675000	111886091

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
<a href="#">View File</a>	

**4.2 – Library as a Learning Resource**

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Impres Dolphin Software	Partially	1.0	2018

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	39002	9123926	266	21930	39268	9145856
Reference Books	6110	2435170	41	23070	6151	2458240
e-Books	2968	29500	3032	6500	6000	36000
Journals	2461	3046415	137	302235	2598	3348650
e-Journals	38179	1551040	51546	301760	89725	1852800
Digital Database	13428	426650	110	7070	13538	433720
CD & Video	2110	21300	12	360	2122	21660
Weeding (hard & soft)	1277	383100	10	3000	1287	386100

Others (specify)	43920	327630	3600	40270	47520	367900
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr.S.Vijayaragavan	Blockchain Technology	Power Point and MVLC	06/08/2018
Dr.P.Srinivasan	Text Mining	Power Point and MVLC	06/08/2018
<a href="#">View File</a>			

#### 4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	790	20	20	20	20	19	30	100	7
Added	0	0	0	0	0	0	0	0	0
Total	790	20	20	20	20	19	30	100	7

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

100 MBPS/ GBPS
----------------

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
MVLC	<a href="http://www.mec.edu.in/">http://www.mec.edu.in/</a>

#### 4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
38425000	38726820	73250000	73159271

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

<ul style="list-style-type: none"> <li>• Purchase committee collects the requirements from the departments and process for procurement</li> <li>• Maintenance team regularly monitors and supervises the infrastructure facilities for effective utilization of the facilities.</li> <li>• Infrastructure facilities such as ICT enabled class rooms and laboratories, are made available for the purpose of conducting events and research on required basis.</li> <li>• Academic and support facilities like library, the sports and the other platform supporting are opened for the students and it is monitored by the</li> </ul>
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respective departments. • Laboratories are audited semester wise. • Stock and consumable register, utilization register, calibration details are maintained and verified by the audit team. • Book requirements are submitted by the departments and professor in charge process the same with librarian. • Entire campus networking and the computer associated items are procured and maintained by the common computer system administrator.

<http://www.mec.edu.in/>

## CRITERION V – STUDENT SUPPORT AND PROGRESSION

### 5.1 – Student Support

#### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Meritorious Scholarship	2049	26188000
Financial Support from Other Sources			
a) National	Tamilnadu Government Scholarship	2981	52189010
b) International	0	Nil	0

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#### 5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Personal Counselling and Mentoring	28/07/2018	2573	Faculty Members / Counsellor
Bridge Courses	23/07/2018	1840	Internal Faculty
Language Lab	21/08/2018	588	Language Experts
Remedial Coaching	24/08/2018	713	Subject Faculty Members
Soft Skill Development	02/07/2018	2573	Training and Placement Cell

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#### 5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Career Guidance Cell	143	723	2	498

No file uploaded.

#### 5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual

harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
<b>Nil</b>	<b>Nil</b>	<b>Nil</b>

## 5.2 – Student Progression

### 5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
<b>Wipro Technologies Limited</b>	<b>65</b>	<b>14</b>	<b>Tata Consultancy Services Limited</b>	<b>50</b>	<b>9</b>
<a href="#">View File</a>					

### 5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
<b>2019</b>	<b>1</b>	<b>BE</b>	<b>CIVIL</b>	<b>Sona College of Technology</b>	<b>M.E-Construction Management</b>
<b>2019</b>	<b>4</b>	<b>BE</b>	<b>CIVIL</b>	<b>Muthayammal College of Engineering</b>	<b>M.E-Structural Engineering</b>
<b>2019</b>	<b>4</b>	<b>BE</b>	<b>CIVIL</b>	<b>Mahendra Engineering College</b>	<b>M.E - Construction Engineering and Management</b>
<b>2019</b>	<b>1</b>	<b>BE</b>	<b>CSE</b>	<b>K.S.Rangasamy College of Technology</b>	<b>MBA</b>
<b>2019</b>	<b>5</b>	<b>BE</b>	<b>CSE</b>	<b>Muthayammal Engineering College</b>	<b>M.E-Computer Science and Engineering</b>
<b>2019</b>	<b>3</b>	<b>BE</b>	<b>CSE</b>	<b>Mahendra Engineering College</b>	<b>M.E-Computer Science and Engineering</b>
<b>2019</b>	<b>5</b>	<b>BE</b>	<b>ECE</b>	<b>Muthayammal Engineering College</b>	<b>M.E-VLSI Design</b>
<b>2019</b>	<b>4</b>	<b>BE</b>	<b>ECE</b>		<b>MBA</b>

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
Any Other	14
No file uploaded.	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Table Tennis	Anna University Zone	73
Cricket	Anna University Zone	3
Kabadi	Anna University Zone	1
Shot Put	Anna University Zone	1
Ball Badminton	Anna University Zone	1
Football	Anna University Zone	6
Volley Ball	Anna University Zone	3
Atheletics	Anna University Zone	1
Sports fest	Intra College level	67
Cultural fest	Intra College level	71
<a href="#">View File</a>		

### 5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						
<a href="#">View File</a>						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Students are involved in • Organizing Technical Symposium. • Class Committee members to improve the academic ambience in the class. • Every department in our institution have their own Association through which the students are allowed to organize several events like Workshops, Seminars, Technical Contests, Symposiums and Conferences etc., • Student Representation in curriculum framing. • Students are involved in the library committee to represent the requirements of Library • Anti Ragging Committee: Student representatives ensures the ragging less environment • Students are actively involved in disseminating the social awareness activities. • Student Volunteers as placement representatives and coordinate all the training and placement activities. • Canteen student Representatives collect the suggestions about the quality and cleanliness of the canteen. • Hostel Student Representative's monitors and rectify the needs of the students in the hostel.

## 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Muthayammal Engineering Institution Alumni Association registered in 2005 (Registration number 2/2005). It strives to create a forum to foster a fruitful communication and a congenial relationship among the Alumni, the students and the College. Alumni submit their feedback and suggestion through Facebook, department group mail id, WhatsApp groups etc. Placement and Training Cell in coordination with the departments organizes Alumni interaction regularly with students. The primary focus of this association is to:

- The Alumni acting as members in the Board of Studies, Academic Council, Recognized Professional Bodies and Quality Circle etc.
- Alumni also interact with the final year students and guide them in preparing for campus interviews in core and IT companies.
- Financially assisting in innovative project
- Provides jobs opportunity through our alumni
- Alumni members regularly connect and share their experience to the students/faculty
- Motivating the students on the current industrial expectations
- Donate books to department library
- Alumni involved guiding certain final year projects
- Graduates who have passed out of the institutions and placed in companies guide and help immediate juniors to undergo the recruitment process with confidence

5.4.2 – No. of registered Alumni:

7459

5.4.3 – Alumni contribution during the year (in Rupees) :

300000

5.4.4 – Meetings/activities organized by Alumni Association :

1. Alumni Meet 2. Alumni Interaction for the Students to share the experience in Industries 3. Alumni Technical Talk on Industry needs

- V.DhivyaKamachi, CIVIL Alumni of 2017 batch conducted a interaction on "Bar bending concepts Interview Tips" for CIVIL department students on 27/11/2018
- G.Pradeep, CIVIL Alumni of 2018 batch conducted a interaction on "Modelling Drawing" for CIVIL department students on 10/01/2019
- M.Dineshkumar Alumni of 2015 batch conducted a interaction on "Challenges in IT Industry ", for CSE Department students on 12.10.2018
- A.Rajkumar and G.Dineshkumar Alumni of 2016 batch conducted a interaction on "Block Chains ", for CSE Department students on 01.02.2019
- J.Srinivasan, ECE Alumini of 2011 batch conducted a interaction on "EIS TCS Career Guidance", for ECE department student on 03.12.2018.
- Ms.H.Kalaivani, ECE Alumini of 2015 batch conducted a interaction on "CTS Career Guidance", for ECE department student on 05.02.2019.
- Ms. G.Gokulapriya, ECE Alumini of 2015 batch conducted a interaction on "L T Career Guidance", for ECE department student on 01.07.2018.
- R.Karthick, EEE Alumini of 2016 batch conducted a interaction on "Challenges in the Core sector", for EEE department student on 03.09.2018.
- N. Manikandan, EEE Alumini of 2015 batch conducted a interaction on "How to Enter in Government Sector", for EEE department student on 27.10.2018.
- M. Dinesh, EEE Alumini of 2017 batch conducted a interaction on "Importance of Embedded in Electrical Engineers", for EEE department student on 05.01.2019.
- T. Karthikeyan, EEE Alumini of 2014 batch conducted a interaction on "Needs of Campus Placement", for EEE department student on 02.02.2019.
- A.B Sobiya, IT Alumni of 2017 batch conducted a interaction on "SAP ARIBA" for IT department students on 12.09.2018
- S.Mugunthan Kumar, IT Alumni of 2014 batch conducted a interaction on "Android Application Development" for IT Department Students on 27.01.2018
- M.Narayanan , IT Alumni of 2015 batch conducted a interaction on "Learning Front End Development" for

IT Department Students on 12.01.2019 • Mr.M.Naveen, MBA Alumni of Batch 2017 conducted a interaction on "Recent Trends in Recruitment Methods", to MBA Department Students on 27.09.2018. • Mr.R.Balasubramani, MBA Alumni of Batch 2018 conducted an interaction on "Marketing Skills Required for MBA Students", to MBA Department Students on 16.10.2018. • Mr.N.G.Vigneshraja, MBA Alumni of Batch 2017 conducted an interaction on "Health Fitness Awareness", to MBA Department Students on 28.01.2019. • M.Kirthika Jain, Mech Alumni of 2017 batch conducted a interaction on "Job Opportunities in Core Industry" for Department of Mechanical Engineering Students on 20.07.2018. • Md.Junaid Abdul Sait, Mech Alumni of 2018 batch conducted a interaction on "Fundamentals of Mechanical Engineering" for Department of Mechanical Engineering Students on 27.10.2018.

## CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The academic activities and the administrative roles are decentralized to ensure the participation of all the stakeholders. The activities for the year 2018-19 are discussed in various forums. The Deans and HoDs are assigned in certain activities to promote the teaching learning process in the campus. They are generally classified into Technical and Non-Technical activities. 1. Technical activities: Involving the students in the domain of learning and practicing like Projects, Paper Presentation, Hackaton, Technical Competition, In- Plant Training, Internship. Participation of the students in Workshop, Seminar, and Guest Lecturers in chosen domain. 2. Non-Technical activities: Involving the students in Club/Association activities. Awareness program on Entrepreneurship and other skill development programs.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

### 6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	? Curriculum Development Revision is made as per the guidelines of UGC, AICTE and Anna University. Inputs received from various stakeholders are considered for the revision. Value added courses are increased for the enhancement of student's technical skill. Encouragement of multidisciplinary approach in planning and designing. The curriculum is strengthened through workshops and brainstorming sessions on developing research embedded syllabi to make students globally mobile and socially useful.
Teaching and Learning	Muthayammal Virtual Learning Centre (M VLC) is effectively utilized for Technology, Engineering and Management to enhance the Teaching and Learning. Revision of continuous evaluation strategy to enrich the Quality of

Teaching and Learning process. Technology learning for the bright students and remedial classes for slow learners. Effective use of ICT Tools and Innovative Practices. Evaluation reforms are introduced by the Institution for the betterment of students.

Examination and Evaluation

IQAC monitors and periodically evaluates the activities of the Examination Cell to ensure the continuous and comprehensive evaluation of students and timely conducts of the examinations. As part of the Quality improvement strategy, the exam cell has representatives from all departments.

Research and Development

EEE, ECE Mechanical departments are recognized as Research Centres by Anna University, Chennai. Research laboratories are established with the support of industries such as Texas Instruments (Ti) Innovations Lab, Wipro Mission 10X Lab, Vi Microsystem collaboration Lab. College facilitates sending of research proposals to research funding organizations. Research and Development activities promote faculty to enhance the skill and expertise in various emerging areas of technology. Project proposals are submitted to various central /state funding agencies. The college also promotes faculty to publish papers in SCI/ESCI indexed journals, IEEE/IET conferences etc

Library, ICT and Physical Infrastructure / Instrumentation

Library: The central library of the college is a repository of a vast number of learning resources including textbooks, reference books, national and international journals, digital resources, online journals, etc., all of which are enriched every year and software for tracking resource availability and an automated system for book/journal transactions. Additionally, there are departmental libraries to provide easy and quick access of resources to students. ICT: ICT is utilised for e-governance , for conduct of online courses such as NPTEL , for various activities of teaching learning centre Physical Infrastructure / Instrumentation: Adequate number of seminar halls with air-conditioners and audio-visual facilities, video-conference facility are available. Labs are equipped with academic and research



needs, which will enrich skills by conducting Workshops, trainings and seminar series on cutting edge technologies like artificial intelligence, block chain, tools and techniques. The centre will facilitate hands-on experience to learning and real time projects and product development. The central library, department libraries, guest rooms, medical, sports centre, DTP centre, cafeteria, ATMs, adequate vehicle-parking ,etc., for students and faculty are functioning effectively. Fire extinguishers at vantage points are kept ,the faculty and students are trained to aware about safety measures.

**Human Resource Management**

The Institute has devised the HR Policies and Procedures towards Recruitment, Orientation, Faculty Training, Promotion etc., and published the same in the name of Employee Hand Book. The Employee Hand Book is given to all the new faculty members when they join the institution. Also during the In-house Induction Training Programme, the new faculty members are appraised about the HR Policies. Rules and Regulations of institution are clearly defined and hosted in the website.

**Industry Interaction / Collaboration**

Signing of MOUs with industries for Research Projects, Consultancy, Placement, Internship and Interactive sessions like Seminars, Webinars and Workshops etc. Mutual beneficial activities are organised.

**Admission of Students**

Selection Procedure: Admission of students as per the norms of AICTE, Anna University and Government of Tamilnadu. Mode of selection: B.E./B.Tech Degree Programme First Year Based on the cut -off marks obtained in the higher secondary examination. Direct Second Year (Lateral Entry) based on the percentage of marks obtained in the diploma examination. M.E./M.Tech Degree Programme. Based on the score obtained in the examinations like TANCET / CET / GATE which are conducted by the Anna University and Association of Managements of Anna University Affiliated Colleges, Coimbatore. Master of Business Administration (MBA) Degree Programme. Based on the score obtained in the examinations like MAT / TANCET / CET /

CMAT which are conducted by the Anna University and Association of Managements of Anna University Affiliated Colleges Coimbatore and AICTE.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
<p>Planning and Development</p>	<p>Planning and Development section of our college currently focuses on preparing the Strategic Plan of the College and coordinating the Quality Assurance Initiatives like NAAC Accreditation, NBA Accreditation and Academic Audit. E-governance is implemented for environmental friendly initiatives, by communicating to the departments through e-mail and intranet. The information related to academic meetings, Minutes of the Meeting, audit guidelines and documents related to accreditation etc., are communicated.</p>
<p>Administration</p>	<p>Modules of ERP are implemented for the general Administration of the Institution. • Student and Staff Profile. • Staff Attendance. • Student Attendance. • Disciplinary Management System. • Grievance Management System. • Student Portal. • Staff Portal.</p>
<p>Finance and Accounts</p>	<p>Modules implemented are: • Admission and Fee Manager. • Fees Payment and Counter. • Finance. • Payroll.</p>
<p>Student Admission and Support</p>	<p>Modules used for Student Admission and Support are: • Student Application. • Roll No. Generation. • Admission Quota. • Fees Assignment based on the Category.</p>
<p>Examination</p>	<p>Pre-Examination Process: • Student Exam Application – Regular, Arrear and Revaluation. • Exam Fee Collection, Examination Time-Table Hall Ticket Generation. • Examination Attendance Generation. Conducting Examination Process: • Checklist Generation Flip and Foil Cover Generation. • Attendance Verification Despatch Generation. • Post Examination. • Practical Mark Entry. • Dummy Number Generation Bundle Number Generation. • Examination Mark Entry Galley Generation. • Result Passing. • Grade Sheet Generation Consolidated Grade Sheet Generation. • Award of Degree Report Generation</p>

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	S.Harikannan	Detailed Instruction about Civil Engineering	Edecons Consultants Pvt Ltd	600
2018	N.Madhankumar	Detailed Instruction about Civil Engineering	Edecons Consultants Pvt Ltd	600
2018	M.Maheswari	Emerging Technologies on Nano Materials for Energy Conversion and Storage Applications for Future Needs	kongu Engineering College	500
2018	N.Madhankumar	Faculty Development Programme on Soil Mechanics	Muthayammal College of Engineering	1000
2018	Prof.V.Rajend ran	Faculty Development Programme on Fundamentals of Pedagogy in Engineering Education	Karpagam College of Engineering	750
<a href="#">View File</a>				

6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Seminar on Project- based Learning for Innova tions and Entreprene urship	Seminar on Project- based Learning for Innova tions and Entreprene urship	29/09/2018	29/09/2018	20	2
2019	Seminar	Seminar			20	2

	on Recent Trends in Digital Substation	on Recent Trends in Digital Substation	14/02/2019	14/02/2019		
<a href="#">View File</a>						

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Faculty Development Program on Thermal Engineering-I	1	10/12/2018	22/12/2018	12
<a href="#">View File</a>				

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
257	257	149	149

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Incentives for Research, Publications, Sponsored Projects and Consultancy works. Free Transport Facility. Maternity Leave. Medical Leave and Group Insurance.	Maternity Leave. Medical Leave. Free Transport Facility and Group Insurance	Tamil Nadu Government Fee Waiver Scheme for First Graduates. SC / ST Scholarship, METRF Scholarship and Group Insurance.

## 6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Yes. Internal Audits are conducted by the accounts section of the college. All vouchers are audited by an internal auditor. External audits are conducted by a registered chartered accountancy firm.
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6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Muthayammal Engineering College	10000	For conducting a Seminar On "Recent Trends in Power System Operation and Smart Grid"
<a href="#">View File</a>		

6.4.3 – Total corpus fund generated

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**6.5 – Internal Quality Assurance System**

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
<b>Academic</b>	<b>Yes</b>	<b>University Nominees</b>	<b>Yes</b>	<b>Dean /HOD</b>
<b>Administrative</b>	<b>Yes</b>	<b>Auditors</b>	<b>Yes</b>	<b>Principal /Manager</b>

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

Parent - Teacher Association is effectively functioning in the Institution for the benefit of students. As part of this association, Parent - Teacher Meeting is being conducted in the department every semester. Various matters have been discussed in the meeting such as, Academic Plan, Co-curricular activities, Autonomous Process and Student welfare. The Department Advisory Board has Parent Nominees in which parents are actively participating for the effective implementation of Curriculum and Outcome Based Education.

6.5.3 – Development programmes for support staff (at least three)

Training on Software Installation C and C plus plus. Hands on training on Shuttering and Carpentering , Brick Masonry. One-day Hands on Training Calibration of Electrical Measuring Instruments . Training on Designing and Testing of Automated Machinery. Hands on Training on PV Solar Power Plant Design, Optimization Installation. Training on Basics of MS Office.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

Outcome Based Education. Revised Assessment and Accreditation (AA) Framework for Quality Sustenance and Enhancement in HEIs. ICT Enabled Teaching Learning Methodologies. Faculty Induction Training Program. Annual Mandatory International/National Conference Establishment of Research Centre and New Research Projects Collaboration with Industry-Institution tie ups

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	<b>Yes</b>
b)Participation in NIRF	<b>Yes</b>
c)ISO certification	<b>No</b>
d)NBA or any other quality audit	<b>Yes</b>

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
<b>2018</b>	<b>IQAC Meeting 1</b>	<b>11/07/2018</b>	<b>11/07/2018</b>	<b>11/07/2018</b>	<b>15</b>
<a href="#">View File</a>					

**CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES****7.1 – Institutional Values and Social Responsibilities**

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)



		community					
2018	1	1	01/11/2018	115	PMKVY-S huttering Carpenter System	Wooden Shutter board along with carrying shutterin g work for RCC structure using con ventional formwork	25
<a href="#">View File</a>							

#### 7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Grievance Redressal Cell	04/07/2018	<p>Grievance Redressal Cell will enquire the grievances and suggest the final action to be initiated at the institutional level for the redressal of the same. Faculty and student may approach the committee members, if they have any grievance regarding academic and non-academic matters.</p> <p>Grievances at departmental level are governed by the mentors, class Coordinators and Department Heads then and there. Suggestion box is available at common places. College always active to ensure the safety and welfare of the students and faculty.</p>
Anti-Ragging Committee (Revised)	06/07/2018	<p>Regular Anti-Ragging committee meeting was conducted as per the guidelines of UGC. Entire campus and other vulnerable places were monitored. Surprise visit to hostels. Undertaking from both students and parents on Anti-ragging.</p> <p>The mobile number of squad members are been displayed in major places of Institution for easy</p>

		contact.
Hand Book for Students	09/07/2018	<ul style="list-style-type: none"> <li>• College Rules and Regulation</li> <li>• All Club details</li> <li>• Faculty details</li> <li>• Placement detail</li> <li>• Faculty and Students Achievement detail</li> </ul>
Rules and Polices for Teachers and Supporting Staff (Revised)	16/07/2018	Transparency, guidance to carry out their responsibilities, Code of conduct with the rules, policies, ethics and procedure of the Institution is provided in HR policy.

#### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Rain Water Recharge Pit Filling	20/10/2018	20/10/2018	108
Blood donation Camp	13/11/2018	13/11/2018	301
Seminar on Cyber Crime, Information Security Cyber Forensics	04/01/2019	04/01/2019	656
Republic Day Celebration	26/01/2019	26/01/2019	918
Independence Day Celebration	15/08/2018	15/08/2018	461
Helmet Awareness rally	25/09/2018	25/09/2018	252
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#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

<ul style="list-style-type: none"> <li>• Campus Cleaning through Swachh Bharat Abhiyan</li> <li>• Awareness Programme on Energy Conservation in Campus</li> <li>• Tree Plantation on behalf of Gandhi Jayanti Celebration</li> <li>• Fire Safety Management</li> <li>• Vermi Composting</li> <li>• Waste water Filtration Treatment</li> <li>• Creating the awareness on clean Campus</li> </ul>
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### 7.2 – Best Practices

#### 7.2.1 – Describe at least two institutional best practices

<p>I. Best Practice for Faculty Empowerment Title of the Practice TASTE – Teacher’s Associated Seminar Towards Excellence (By the Teachers for the Teachers) Goal • To make the Institution as a Centre of Excellence in Teaching • To enhance the Teaching Methodology with Innovation • To improve the Confidence and Presentation Skill of the Faculty members • To ensure the Interaction with Co-Teachers for Multidisciplinary Activities Objectives • To enhance the presentation skill of the Faculty member • To listen the Senior Professors on Teaching Methodology for Technical Subjects. • To deliver the lecture to the peer group for improving the teaching ability. • To learn do’s and don’ts during the technical teaching. • To enhance the confidence and continuous</p>
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progress in teaching learning for the benefit of the students. Methodology • Faculty member are identified to deliver to talk. • Monthly schedule is prepared for Presentation and circular among Faculty member • Presenter is informed to submit the seminar topic with the content of delivery. • Invitation is sent well in advance to all Faculty member, who are free from their academic work are expected to attend the seminar to enrich their knowledge. • Record of the daily activity is maintained in the college with information shared and details of faculty attended. • Speaker is provided feedback for further improvement if necessary. • Faculty members who have presented / shared the information are provided with certificates. Evidence of Success Seminar has enhanced the teaching learning by the faculty members and also motivates the faculty members to have more interaction with other department colleagues for multidisciplinary activities. To mention, few success outcomes of the Seminar (TASTE) are • 207 Seminars are delivered by Faculty Members. • Averages of minimum of 50 participants are benefited daily. As a result, around 10,000 participants are benefited. • 207 different topics were discussed in common forum which resulted in number of multidisciplinary students' projects. • Quality of Teaching has enhanced. Problems Encountered and Resources Required No cost involved. Hence no problem encountered. The Human Resource (Teachers) are only required. Notes (optional) • In teaching profession, it is important to update periodically with new ideas, methods, technologies and research findings. In this way, sharing of knowledge has definitely enhanced the potential of every faculty members. • TASTE has enabled the faculty members to come forward with innovative ideas to share among the fellow members. • In addition, the faculty members with less experience have gained confidence to deliberate in the forum for enhance knowledge sharing. • This forum paves the way to solve the problems and to overcome the difficulties caused by disciplinary differences. • Success is proved by faculty with outside interaction and invited talk by faculty to other institutions. II. Best Practice for Student Employability Skills Title of the Practice MKC Learning- Must Know Concepts - Learning and Practicing Goal • To ensure that the Students learn the concepts in all subjects without any ambiguity. • To enhance the Oral Presentation Skill with clear concept. Objectives In general, the students learn the subjects with the focus of examination and it is unfortunate to know that most of the Engineering Graduate concentrates on few subjects and given less importance for the majority of the subjects. This has resulted the unemployability of the students in recent years. Keeping this in view, we, at Muthayammal Engineering College focus on ensuring the concept learning and practicing to enhance the subject knowledge with concepts. Implementation This Practice is been executed in the following as given below: • Subject Teacher prepares the Must Know Concepts in every subject. • MKC is discussed and shared with students. • Oral Examination by the faculty members is conducted for each student for every subject. • Outcome of Oral Examination is been considered for Internal Assessment. Evidence of Success • Subject Knowledge is augmented. • Useful for advanced learning. • Innovative Projects by students. • Understanding and Explanation Capacity increased. • Level of Confidence is improved. Problems Encountered and Resources Required No Problem is found so far. This may be due to appreciation by students and Teachers. Resource required is the material prepared by the subject Teacher. No additional equipment is needed. Notes (optional) Students gain experience in creating a hypothesis and organize their findings. Students may enhance their technical skills in exploring their presentation. Attaining Concepts can be used in a Game-Like Activity in which the students feel challenged, but not pressured. A benefit of Concept-Based Learning that helps to retain knowledge longer. After students get masters in concept, the impact will be in Placement

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://www.mec.edu.in/>

### 7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Credit Transfer system for on-Line Certification (NPTEL): Credit transfer for NPTEL course is implemented. The students are encouraged to register for NPTEL courses and get the certificates. The equal credits are transferred for Curriculum Subjects. Faculty members are motivated to register for NPTEL courses for effective teaching to students. The outcome of this initiative is seen in terms of more number of certification and quality of teaching learning process. Number of Students registered for learning NPTEL course are 1252 among them 350 registered and 183 are Certified. Faculty registered are 211 among them 85 registered and 60 are certified. Total number of Courses registered 130 in various discipline.

Provide the weblink of the institution

<http://www.mec.edu.in/>

### 8.Future Plans of Actions for Next Academic Year

- 20 Targets for 2020 ? Awards to be received by Faculty Members ? Professional Membership for Faculty and Students ? Book Publications ? Patents by Faculty and Students ? Faculty Research Publications–Scopus and Web of Sciences ? Professional Institution Memberships ? Product Development using Students ? MOUs' to be Signed ? IEEE Papers from the Faculty Members ? Core Companies for Placement ? Research Projects ? International Guest Lecture ? Industry Linked Lab ? Faculty visits to Abroad for Academic Collaboration ? Consultancy Work to be Completed ? Centres of Excellence ? Linkage with IIT Professors ? Students Project Awards ? Students Publication ? Funded Technical Events