Yearly Status Report - 2016-2017

Part A	
Data of the Institution	
1. Name of the Institution	**MUTHAYAMMAL ENGINEERING COLLEGE (AUTONOMOUS)**
Name of the head of the Institution	**Dr.S.Nirmala**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**04287226837**
Mobile no.	**8754008537**
Registered Email	**metmec@gmail.com**
Alternate Email	**mec.iqac@gmail.com**
Address	**Kakkaveri,Rasipuram**
City/Town	**Namakkal**
State/UT	**Tamil Nadu**
Pincode	**637408**

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	**27-May-2016**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr.G.Selvakumar**
Phone no/Alternate Phone no.	**04287220837**
Mobile no.	**9994733793**
Registered Email	**mec.iqac@gmail.com**
Alternate Email	**suresh.me2004@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.mec.edu.in

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.mec.edu.in

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B**	**2.52**	**2016**	**17-Mar-2016**	**16-Mar-2021**

6. Date of Establishment of IQAC	**04-Jun-2016**

7. Internal Quality Assurance System

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
IQAC Meeting 1	**04-Jun-2016** **1**	**15**

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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
No Data Entered/Not Applicable!!!				
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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)

•Preparation towards Accreditation by NBA for 4 Programmes viz. CSE,EEE,ECE and Mechanical Engineering•Board of Studies Meeting and Academic Council Meeting •Conducting Academic and Administrative Audit•Promoting ICT Based Teaching Learning Process• Faculty Members are encouraged to attend various faculty enhancement programs.

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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	Achivements/Outcomes
Plan of activities for the Academic Year 2016 – 2017	College level and Department level meetings were conducted and the planned activities were executed
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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Governing Council	**15-Apr-2017**

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**Yes**
Date of Visit	**21-Apr-2017**
16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2019**
Date of Submission	**06-Feb-2019**
17. Does the Institution have Management Information System ?	**Yes**
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**The Institution has Management Information System with following modules, Admission Process Management, Academic Management System, Teaching – Learning Process, Outcome Based Education, Examination and Evaluation Process,Central Library Management ,Finance Management,Online Webportal for Faculty and Students.The System Supports the Management, Principal,Deans,HoDs,Faculty and Students.**

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**	**04/07/2016**
BE	**CS**	**Computer Science and Engineering**	**04/07/2016**
BE	**EC**	**Electronics and Communication Engineering**	**04/07/2016**
BE	**EE**	**Electrical and Electronics**	**04/07/2016**

		Engineering	
BE	ME	Mechanical Engineering	04/07/2016
BTech	IT	Information Technology	04/07/2016
ME	MC	Computer Science and Engineering	04/07/2016
ME	MS	Communication Systems	04/07/2016
ME	VL	VLSI Design	04/07/2016
ME	PSE	Power Systems Engineering	04/07/2016
		[View File](#)	

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	04/07/2016	16CEF01/Project Work Phase –I	04/07/2016
BE	Civil Engineering	04/07/2016	16CEF02/Project Work Phase –II	04/07/2016
BE	Civil Engineering	04/07/2016	16CEF03/ Comprehensive Skill	04/07/2016
BE	Civil Engineering	04/07/2016	16CSF04/Design Project	04/07/2016
		[View File](#)		

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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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	04/07/2016
BE	Computer Science and Engineering	04/07/2016
BE	Electronics and Communication Engineering	04/07/2016
BE	Electrical and Electronics Engineering	04/07/2016

BE	Mechanical Engineering	04/07/2016
BTech	Information Technology	04/07/2016
ME	Computer Science and Engineering	04/07/2016
ME	Communication Systems	04/07/2016
ME	VLSI Design	04/07/2016
ME	Power Systems Engineering	04/07/2016
ME	Power Electronics and Drives	04/07/2016
ME	CAD/CAM	04/07/2016
MBA	Master of Business Administration	04/07/2016

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
Testing of Electrical Equipments	07/09/2016	47
Electrical Drawing using CADD	13/02/2017	53
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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	36
BE	Computer Science and Engineering	49
BE	Electronics and Communication Engineering	52
BE	Electrical and Electronics Engineering	47
BE	Mechanical Engineering	72
BTech	Information Technology	31
MBA	Master of Business Administration	46
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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
The feedback has been collected from all the stakeholders in order to enhance the quality of the Institution • Feedback from students is obtained on teaching learning processes during the progression, middle and end of the semester. The feedback is analysed and corrective actions are carried out to improve lecture delivery, conduction of labs, value added courses, outcome based education systems and faculty self –Appraisal • Every semester feedback obtained from teachers about the curriculum and infrastructure improvement. The feedback is analysed and the required changes are made in curriculum and new equipments if needed are purchased to enhance teaching learning process and research • The Employers feedback is obtained from employers about the progress of the alumni• The alumni feedback on program outcome is obtained at the time of alumni visit to the institution • Based on the feedback the changes needed in the curriculum are made with the approval of Board of Studies .Parents meeting is convened every semester to obtain the feedback about the progress of the wards, improvement needed in the curriculum and infrastructure • The feedback obtained is consolidated, discussed and correct measures were initiated.

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
BE	Mechanical Engineering	180	243	121
BE	Electronics and Communication Engineering	180	264	144
BE	Computer Science and Engineering	120	149	114
		View File		

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
2016	2554	179	214	29	3

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-	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used

Resources)					
246	246	7	5	5	19

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

Maximum 15 students are assigned with faculty members for mentoring to improve the performance in the academic. The students are counselled by their mentors at least thrice in a semester to identify and analyze the students problems both in academic and personal ways. The identified problems were discussed with the respective students and suitable remedial measures were provided. The students who are specialized in any particular area namely sports or other curricular activities are identified and they are motivated to develop their hidden talents. Regularly academic performances of the students were monitored by mentors from that the poor performers in the academic are identified and provided with special coaching classes. In addition mentors provides guidance for higher education, training and placement related activities.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2733	246	1:12

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
246	246	Nill	54	29

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
2016	Dr.S.Saravanan	Professor	IE(I) Best Faculty Award

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	09/01/2017	29/03/2017

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
Nill	Nill	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.muthayammalengg.ac.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	199	172	86.4
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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.muthayammalengg.ac.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
J.Preetha/CSE
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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
No Data Entered/Not Applicable !!!				
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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
Students Research Projects (Other than compulsory by the University)	180	METRF	1.9	1.9

Interdisciplinary Projects	180	METRF	0.75	0.75
Minor Projects	180	METRF	0.15	0.15
Minor Projects	360	TNSCST	0.2	0.2
Total	360	METRF,TNSCST	3	3
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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

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
Design and Detailing of Steel Shelters	CIVIL	25/07/2016
Grid and Cloud Computing	CSE	20/09/2016
Recent Applications in Artificial Intelligence	CSE	20/03/2017
Electronics in Industries	ECE	04/08/2016
Advances in DSP	ECE	19/08/2016
Role of Engineers in Industry	ECE	24/09/2016
Sensors Networks and IOT	ECE	28/09/2016
Embedded Systems	ECE	12/11/2016
Electrical CADD	ECE	06/02/2017
Testing of Electrical Equipments	EEE	07/09/2016
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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
Exceptional Academic Administrator and Researcher Award	Dr.G.Selvakumar	Journal of Engineering Technological Research, Society of Engineers and Technicians, Kuala Lumpur, Malaysia	11/03/2017	Faculty
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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
No Data Entered/Not Applicable !!!					
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
ECE	1
EEE	1
MECHANICAL	1
MBA	1

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)
International	CIVIL	3	0.6
International	CSE	6	3.65
International	ECE	12	1.9
International	EEE	13	3.45
International	MECHANICAL	7	0.5
International	IT	1	1.28
International	MBA	2	4.16
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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
IT	4
ECE	4
CIVIL	5
View File	

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
No Data Entered/Not Applicable !!!			
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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
Shared	S.	Asian	2016	5	Muthayam	4

| Processing Element Architecture for an Area and Power Efficient FIR Filter Design using Double Base Number System | Saravanan | Journal of Research in Social Sciences and Humanities | | | mal Engineering College | |

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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
Effect of Machining Characteristics of Nano-Tic Mixed Dielectric Fluids on Inconel 718 in the EDM Process	S.Sundaram	Materials Testing	2017	7	3	Muthayammal Engineering College

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	13	64	34	62
Presented papers	34	16	9	6
Resource persons	Nill	1	3	2

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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)
Mechanical Engineering	EDM Project	Sona College of Technology,Salem	10000

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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
Nil	Nil	Nil	0	0

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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 and MEC	2	281
Cleaning Awareness	NSS and MEC	2	364
Republic Day Celebration	NSS and MEC	2	678
Save Water-Rally	NSS and MEC	2	654
Road Cleaning Awareness	NSS and MEC	2	327
Blood Camp	NSS and MEC	2	315
Sponsored Ceiling Fan for Lower Class School Students – Helping Programme	NSS and MEC	2	246
Independence Day Celebration	NSS and MEC	2	557
Campus Cleaning Awareness	NSS and MEC	2	684
Motivational and Taking Pledge Programme	NSS and MEC	2	718

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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	Nill

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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	Name of the activity	Number of teachers participated in such	Number of students participated in such

agency			activites	activites
YRC	Muthayammal Engineering College	Eye Check-up Camp	3	652
YRC	Muthayammal Engineering College	Tree Plantation	3	427
YRC	Muthayammal Engineering College	Blood Donation Camp	2	124
YRC	Muthayammal Engineering College	School Cleaning Camp	2	194
YRC	Muthayammal Engineering College	Dengue Awareness Rally	4	578
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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
Technology Transfer	Faculty	Muthayammal Engineering College	5
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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
On-the-Job Training	Employee Motivation	Thiruvalluvar Textiles Pvt., Ltd. Rasipuram	11/09/2016	21/09/2016	Faculty
Internship	Training on PLC and Automation	Prolific ,Coimbatore	18/07/2016	22/07/2016	Students
Project Training	Training for IoT based Relay Control Monitoring and Fault Diagnosing System	Voltech Engineers Pvt Ltd., Chennai	01/02/2017	30/04/2017	Students
Internship	Training for Transformer	Voltech Engineers Pvt.	01/03/2017	31/03/2017	Students

		Ltd.,Chennai			
Maintenance and Testing					
Inplant Training	Foundation Marking	Chola Builders, Fairlands, Salem	14/12/2016	19/12/2016	Students
Internship	Project Work	Jasmine Infotech,Chennai	27/01/2017	05/02/2017	Students
Internship	Project Work	Pentagram Research Centre, Hyderabad	02/12/2016	03/01/2017	Students
Project Work	Backup Mode Control for Jet Engine	Gas Turbine Research Establishment, Defence Research and Development Organization, Bangalore	30/01/2017	27/02/2017	Students
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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
Sunshiv Electronic Solutions ,Coimbatore	01/03/2017	Workshops,Students Internship and Training	214
Global Core Technology,Salem	22/11/2016	Software Training and Certification Courses, Student Projects	59
Paloalto,Chennai	18/03/2017	Research Methodologies, R D Training for Faculty Students	73
Diesel Power Solution,Chennai	07/02/2017	Students Industrial Visit and Training	157
LCOMPO-Electronic India Private Limited,Chennai	20/03/2017	Workshops,Students Internship and Training	164
Pearl Industrials, Coimbatore	27/12/2016	Workshops,Students Internship and Training ,Career Guidance Programme	198

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
83675000	84503349

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
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

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 patially)	Version	Year of automation
Impres Dolphin Software	Partially	1	2016

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	38716	9009170	125	76600	38841	9085770
Reference Books	6000	2400000	50	20750	6050	2420750
e-Books	1456	11500	1456	11500	2912	23000
Journals	180	249937	188	241431	368	491368
e-Journals	5667	196440	8440	225210	14107	421650
Digital Database	5667	196440	7661	225210	13328	421650
CD & Video	2090	60000	10	300	2100	60300

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.G.Selvakumar	Wavelet Transform	Power Point and MVLC	04/07/2016
Dr.S.Nirmala	Modern Computer Architecture	Power Point and MVLC	04/07/2016
Dr. J. Rangarajan	Signal Processing	Power Point and MVLC	04/07/2016
Dr. R Ganesh Babu	Mobile Communication	Power Point and MVLC	04/07/2016
S.T.Lenin	Python Programming	Power Point and MVLC	13/07/2016
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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	915	24	16	2	4	1	24	16	5
Added	60	1	48	0	0	0	0	48	0
Total	975	25	64	2	4	1	24	64	5

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

64 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	http://www.muthayammalengg.ac.in

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 incurredon maintenance of physical facilites
21175000	21521678	62500000	62981671

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)

The Institution has a system and procedure for maintaining and utilizing physical infrastructures like ICT enabled class rooms, administrative buildings, laboratories, Library, sports facilities, furniture and other physical assets including the services like water and electric supply. These activities are regularly monitored and supervised by the maintenance team and respective departments. Purchase of equipments including program specific software and hardware and their maintenance in laboratories are carried out by

the respective department to which they belong. Laboratory Stock Register ,Consumable Register, Utilization Register, Calibration/Maintenance log are regularly maintained and verified. The entire computer infrastructure including purchase, maintenance and disposal is consigned with the System Administrator.

http://www.muthayammalengg.ac.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	1123	13251950
Financial Support from Other Sources			
a) National	Tamilnadu Government Scholarship	2598	61676380
b)International	0	Nill	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 implemetation	Number of students enrolled	Agencies involved
Soft Skill Development	01/07/2016	2733	Training and Placement Cell
Remedial Coaching	17/08/2016	547	Subject Faculty Members
Language Lab	17/08/2016	594	Language Experts
Bridge Courses	04/07/2016	1839	Internal Faculty
Personal Counselling and Mentoring	09/07/2016	2733	Faculty Members / Counsellor
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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 passedin the comp. exam	Number of studentsp placed
2017	Career Guidance Cell	131	751	Nill	324
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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
Nill	Nill	Nill

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
Wipro Technologies Limited	63	9	Tech Mahindra	63	26

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2017	1	BE	CSE	Sona College of Technology	M.E- Computer Science and Engineering
2017	1	BE	CSE	Muthayammal Engineering College	M.E- Computer Science and Engineering
2017	1	BE	CSE	Sri Ramakrishna Institute of Technology	M.E- Computer Science and Engineering
2017	4	BE	ECE	Muthayammal Engineering College	ME-VLSI Design
2017	1	BE	ECE	K.S.R College of Engineering and Technology	ME-VLSI Design
2017	1	BE	EEE	Paavai Engineering College	ME-Power Systems Engineering
2017	1	BE	EEE	Adhiyamaan Engineering College	ME-Power Systems Engineering
2017	1	BE	MECH	Muthayammal College of Engineering	Thermal Engineering

2017	3	BE	MECH	Muthayammal Engineering College	MBA

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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	6

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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	55
Cricket	Anna University Zone	5
Badminton	Anna University Zone	6
Football	Anna University Zone	1
Volley Ball	Anna University Zone	2
Atheletics	Anna University Zone	2
Sports fest	Intra College level	35
Cultural fest	Intra College level	51

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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 !!!						

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

• Students representatives of the Institution are involved in various student academic activities. • Student Representation in framing of curriculum • Student representatives are supportive for the functioning of the library in the campus. • Extension Activities are coordinated by the student coordinators. • Student representatives fulfill the needs of the students in the hostel. • Students are involved in disseminating the social relavent activities. • Women Empowerment Cell representatives regularly monitors the issues related to women in the campus. • Anti Ragging Committee: Student representatives ensures the ragging less environment • Student as placement representatives and coordinate the training and placement activities. • Canteen student Representatives collect the suggestions about the quality and cleanliness of the canteen.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Muthayammal Engineering College Alumni Association registered in 2005 (Registration number 02/2005). Institute has a registered Alumni Association. Alumni Meets are organized periodically through this association. Alumni interactions are regularly conducted in the departments through which the student can learn about the industry expectation. Alumni's are members of the Board of Studies, Academic Council which supports the curriculum restructuring in Teaching-Learning Process.

5.4.2 – No. of registered Alumni:

5885

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

127000

5.4.4 – Meetings/activities organized by Alumni Association :

• Ms.V.Dhivya Kamachi, CIVIL Alumni of batch 2017 batch conducted a interaction on "Bar bending concepts Interview Tips" for CIVIL deparment students on 22.06.2017. • Mr.R.C.Karthick Alumni of batch 2004 batch conducted a interaction on "How to build positive attitude ", for CSE Department students on 05.07.2016. • Mr.P.Ashok kumar, Alumni of batch 2007 batch conducted a interaction on "Pros and cons of Wipro Technologies ", for CSE Department students on 13.08.2016. • Ms.M.Aarthi, Alumni of 2008 batch conducted a interaction on "Role of women in a society ", for CSE Department students on 24.09.2016. • Ms.B.Yogamani, Alumni of batch 2010 batch conducted a interaction on "Current Technology needed for placement ", for CSE Department students on 07.10.2016. • Mr.P.Balamurugan, Alumni of batch 2011 batch conducted a interaction on "Keys to get through TNPSC Examination", for CSE Department students on 04.02.2017. • Mr.S.Jeevamurali, Alumni of batch 2012 batch conducted a interaction on "Respective role needed in Industry", for CSE Department students on 25.02.2017. • Mr.S.Amresh, Alumni of batch 2014 batch conducted a interaction on "How to become best Entrepreneur in Society", for CSE Department students on 10.03.2017. • Mr.S.Imran, ECE Alumni of batch 2012 batch conducted a interaction on " Roll of Engineers in Industries ", for ECE department student on 09.09.2016 • Ms.A.Kalaimathi, ECE Alumni of 2012 batch conducted a interaction on " Applications of Embedded Systems ", for ECE department student on 16.09.2016 • Mr.E.Ashok kumar, Design Engineer (Trainee), LT InfoTech, Cochin, EEE Alumni of batch 2015 conducted a interaction on "L T Hiring Process and power transformer" to EEE Department Students on 27.07.2016. • Mr.R.Kartick, Electrical Engineer (OM), Wipro Technologies, Chennai, EEE Alumni of batch 2016 conducted a interaction on "ON CAMPUS", to EEE Department Students on 29.09.2016. • Mr.K.Selvam, Assistant Engineer, Ashok Leyland Private Limited, Hosur, EEE Alumni of batch 2009 conducted a interaction on "Importance of core sector", to EEE Department Students on 20.01.2017. • Mr.P.Arunkumar, HR Executive, Voltech, Chennai, MBA Alumni of batch 2012 conducted a interaction on "Motivational Skills for MBA", to MBA Department Students on 20.09.2016. • Ms.S.Saranya, HR Journalist, True Tech Solutions, Chennai, MBA Alumni of batch 2014 conducted a interaction on "Corporate Expectations From MBA", to MBA Department Students on 25.09.2016. • Mr.J.Prasanna, Marketing Executive, Mitosis,Chennai, MBA Alumni of batch 2015 conducted a interaction on "Managerial Skills and Qualities to MBA Students", to MBA Department Students on 05.10.2016. • Mr.S.Praveen, Mech Alumni of 2015 batch conducted a interaction on "Business Processes and Performance metrics in Industry" for Department of Mechanical Engineering Students on 29.09.2016

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 Institution promotes the culture of Participative Management which enables the staffs and students to share their opinion and suggestion for the improvement. The participative management is collaborative with the departments and there by improves the quality of planning and implementation of all activities in the Institution. The administrative and academic activities are decentralized with the involvement of all the stakeholders. The Deans and Hods provide leadership for the academic administration and creates environment conducive for teaching learning process. It ensures that quality education is important to students that foster the holistic development of the students. The institution has several committees for continuous monitoring the academic non academic activities in the campus.

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
Admission of Students	Admission of students as per the norms of AICTE, Anna University and Government of Tamilnadu.
Industry Interaction / Collaboration	Institution has collaborations with NASSCOM, ICTACT, Texas Instruments, TCS, Wipro, Oracle, EMC2, Pentagram, CISCO, Red Hat Linux, Autodesk, PayPal, Jasmine InfoTech, Roots. To provide In-house Technical Training, In-Plant Training, Projects, Industrial Visits, Internships, Placement etc. in the students' perspective. Training, Research Projects, Consultancy and Testing to faculty members. Interaction with Industry Professionals for Career development.
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 Employee Hand Book. The Employee Hand Book is given to all the new faculty members. During the In-house Induction Training Programme, the new faculty members are appraised about the HR Policies. Rules and Regulations of Institution and Hostel are defined clearly and hosted in the website.
Library, ICT and Physical Infrastructure / Instrumentation	ICT Enabled Teaching-Learning Methodologies: To promote ICT Enabled Teaching-Learning Methodologies, the following initiatives were taken: • Digital Class Rooms were established •

	The internet bandwidth has been increased to 64 Mbps • The entire campus is made Wi-Fi enabled • All the computer systems are networked. Library: The library is connected to the intranet backbone to facilitate distributed online public access of catalogs and e-Journals. The library has Membership with British Council Library, ACM, IEEE, DELNET, American Library, Information Centre, exclusive digital library and Audio-Video system. Research Labs: The departments are equipped with industry supported Research Labs such as Texas Instruments Lab, Wipro Mission 10X Lab, EMC2 Lab, CADD Lab etc. to inculcate research culture. Entrepreneurship Development: Muthayammal Incubation Centre was established which is sponsored by Ministry of Small and Medium Enterprises (MSME), Govt. of India to support young entrepreneurs under the scheme of "Support for Entrepreneurial and Managerial Development of SMEs through Incubators".
Research and Development	Five Departments of the institution, EEE, ECE, CSE, Mechanical and MBA are recognized as Research Centres by Anna University, Chennai. Industry linked laboratories are established with the support of Industries such as Texas Instruments (TI) Innovations Lab, Wipro Mission 10X Lab, Vi Microsystems Lab, EMC2 Lab, CAD Lab. The RD research committee facilitate monitors and encourages the faculty and students to involve in various research activities.
Examination and Evaluation	The Examination and Evaluation process are formed as per the guidelines of UGC, AICTE and Anna University. Examination cell monitors and periodically evaluates the activities of the examinations by the respective coordinators of the department.
Teaching and Learning	Enhance the teaching learning process Muthayammal Virtual Learning Centre for Technology, Engineering and Management (MVLC) is effectively utilized .The institution has ICT enabled technology facilities for effective teaching of Outcome Based Education .
Curriculum Development	The designing and development of curriculum is made as per the guidelines of UGC, AICTE and Anna

University. The curriculum was revised based on the regulatory changes and stakeholders' feedback. The curriculum and syllabus is to serve the needs of students such as Employment and Higher studies, Orientation Program, Refresher Course, Seminar, Workshop, Internship, In-plant training, Current needs of Industry and society. Institution follows Outcome Based Education system. Each department frames its own Programme Education Objective, Programme Objective for each Programme in perfect alignment with the vision mission of their Institution and Department.

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

E-governace area	Details
Planning and Development	The Planning and Development section focuses on preparing the Strategic Plan of the Institution and coordinating the Quality Assurance Initiatives like NAAC Accreditation, NBA Accreditation ,Autonomous,Academic and Administrative Audit. The information related to meetings are communicated through mail.
Administration	Modules of ERP are implemented for the general Administration of the College. • Student and Staff Profile • Staff Attendance • Student Attendance • Disciplinary Management System • Grievance Management System
Finance and Accounts	Modules implemented are: • Admission and Fee Manager • Fees Payment and Counter • Finance • Payroll
Student Admission and Support	Modules used for Student Admission and Support are: • Student Application • Roll No. Generation • Admission Quota • Fees Assignment based on the category
Examination	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 • 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 and Report Generation

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
2017	E.Punarselvam	FDP on Introduction to R Programming	Muthayammal Engineering College	600
2016	B.Praveen Kumar	FDP on Embedded Systems	Muthayammal Engineering College	250
2017	K.Bashkaran	Two Days FDP on Rasberry-pi and Cloud Integration	Nandha Engineering College	300
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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)
2016	Energy Auditing and Energy Conservation	Energy Auditing and Energy Conservation	27/08/2016	27/08/2016	14	4
2016	Electrical and Electronics Circuits using CAD	Electrical and Electronics Circuits using CAD	07/07/2016	09/07/2016	12	5
2016	Advanced Industrial Automation – PLC Control Panel Wiring	Advanced Industrial Automation – PLC Control Panel Wiring	19/09/2016	19/09/2016	12	4
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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	Number of teachers who attended	From Date	To date	Duration

programme				
FDP on Student Induction Programme	3	21/11/2016	30/11/2016	10
FDP on Power Plant Engineering	2	08/08/2016	13/08/2016	6
Workshop on Electrical and Electronics Circuits using CAD	5	04/07/2016	08/07/2016	5
FDTP on Structural Dynamics Earthquake Engineering	2	04/02/2017	09/02/2017	6
FDTP on Prestressed Concrete Structures	3	21/01/2017	25/01/2017	5
FDTP on Design of Reinforced Concrete Elements	2	07/01/2017	11/01/2017	5
FDTP on Soil Mechanics	3	03/12/2016	14/12/2016	12
FDTP on Structural Analysis-1	5	23/06/2016	30/06/2016	8
FDTP on Finite Element Analysis	2	05/12/2016	15/12/2016	11
FDTP On Research Scope in Thermal Engineering	1	13/12/2016	19/12/2016	6
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
246	246	149	149

6.3.5 – Welfare schemes for

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

| Consultancy works. Free Transport Facility. Maternity Leave. Medical Leave. Group Insurance | Insurance | Scholarship. METRF Scholarship . 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.

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
––	0	––
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6.4.3 – Total corpus fund generated

No Data Entered/Not Applicable !!!

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
Academic	Yes	University Nominees	Yes	Dean /HOD
Administrative	Yes	Auditors	Yes	Principal /Manager

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. 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 and 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	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	Yes

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
2016	IQAC Meeting 1	04/06/2016	04/06/2016	04/06/2016	15

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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)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Awareness Programme on Women's Safety	25/07/2016	25/07/2016	164	Nill
How to overcome PCOD problem	12/09/2016	12/09/2016	174	Nill
International Women's Day Celebration	08/03/2017	08/03/2017	253	Nill
Role of Women in Society	25/03/2017	25/03/2017	232	89

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
• Construction of Building with Power Energy Facility

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nill
Provision for lift	Yes	Nill
Ramp/Rails	Yes	Nill
Braille Software/facilities	Yes	Nill
Rest Rooms	Yes	Nill
Scribes for examination	Yes	Nill
Special skill development for	Yes	Nill

	differently abled students						
Any other similar facility	No				Nill		

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2016	1	1	16/08/2017	2	Blood Donation Camp	SKS Hospital Campus Salem	69
2016	1	1	09/09/2016	1	Awareness Programme on Dengue and its Prevention	M.M Hospital, Namakkal	572
2016	1	1	01/12/2016	1	Awareness Programme on AIDS	Government Hospital, Rasipuram	676
2017	1	1	13/02/2017	1	Workshop on Entrepreneur Skill Development in Rural area	Entrepreneurship Cell	371
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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Hand Book for Students	06/07/2016	• College Rules and Regulation • All Club details • Faculty details • Placement detail • Faculty and Students Achievement detail
Anti-Ragging Committee	11/07/2016	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. The mobile number of squad members are been displayed in major places of Institution for easy contact.
Grievance Redressal Cell	18/07/2016	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. 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.
Rules and Polices for Teachers and Supporting Staff	12/07/2016	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
Republic Day Celebration	26/01/2017	26/01/2017	678
Sponsored Water Drum to the lower class school students – Helping Programme	03/02/2017	03/02/2017	281
Healthy Youth for Healthy India	06/03/2017	06/03/2017	372
Independence Day Celebration	15/08/2016	15/08/2016	557
Helping Programme- Sponsored Ceiling	02/09/2016	02/09/2016	246

Fan for Lower Class School Students			
Save Water-Rally	26/10/2016	26/10/2016	654

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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)
• Tree Plantation on behalf of Gandhi Jayanti Celebration • Awareness on "SAVE ECO SYSTEM" • Awareness on E-Waste Management • Campus Cleaning Awareness • Awareness Programme on Plastic Free Environment

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

BEST PRACTICE – I 1. Title of the practice Muthayammal Virtual Learning Centre for Technology, Engineering and Management (MVLC-TEAM) 2. Goal Subject materials to be accessible 24 X 7 by the students. 3. Context The College provides materials to students for all subjects through Intranet and Internet. This practice makes the student to get motivated to excel in their Academic even in the absence of Faculty members. 4. The Practice The Institution encourages all the Heads of the departments to collect the materials from the Faculty members before start of the semester. Once the quality is ensured by a team, it is made available to the students on the MEC-Virtual learning platform. 5. Evidence of Success Since the environment is conducive for the students to learn, this practice has improved the academic performance of the students. This has made the Institution ranked within first 50 positions among 550 Engineering Colleges affiliated to Anna University, Chennai. This practice has secured 133 University Ranks including 4 Gold Medals from Anna University. 6. Problem encountered and resources required The practice is well received by the Students and no specific problem is encountered and no additional resource is required. 7. Other Innovative Teaching Learning Methodologies In addition to the above, we also encourage and implement the following ICT enabled Teaching Learning Methodologies. • State of the art computer based language laboratory to improve the communication skills of the students. • Digital Class Rooms with Audio / Visual facilities and Wi-Fi Connectivity. • More focus on contents beyond curriculum. • Course Files and Lab Manuals for Effective Instructions • Applied for Remote Centre of IIT Bombay • Active users of NPTEL Video Lectures • Interaction with national and international experts through Skype and Team Viewer platforms • Entrepreneurship Awareness and Development Programmes • Mentoring and Counseling Practices BEST PRACTICE – II 1. Title of the Practice Group of Elite and meritorious Students Club (GEMS club) 2. Goal Group of Elite and Meritorious Student' club is a platform for the students to find and nurture the real potential. The approach reflects not only the educational needs but a commitment to life-long learning, the ability to work in multidisciplinary settings with integration of innovation and learning, and an appreciation of creativity and novelty in every activity. It sets podium for inventors, researchers, and industry veterans, all focused on training the next generation to work smart and dream big. 3. The Context It is an initiative to bridge the gap between the knowledge required and available among the students. 4. The Practice The practices are multi folded such as regular meetings, group discussions paper presentations, etc are some to name. Students with different interests come here with quests and there are always answers from the expertise irrelevant of domains and professions. For example, the various government jobs after graduation are discussed elaborately. The steps to be taken to pursue higher studies in abroad and to avail scholarship are also highlighted among the students. The slow learner students are given much attention to improve their communication skills and boost their confidence. Good preparation of CV, motivating for mini projects, clearing online certification courses, etc are

given priority to the students. 5. Evidence of Success The students have shown much interest to participate in GEMS club activities. The following list shows some of the success. • Won gold medal in "National Design and Research Forum" at 45th All India Student Design Awards. • Grant of Rs.15,000/- from IEEE Madras Section for their project titled "Automated Real-time Crack Detection in Railway Track Using Time Domain Reflect meter (TDR)" • Shortlisted for the project titled, "Sufficient/ Insufficient balance information by using Dot Matrix Display in ATMs" in the Ti Innovation Challenge India Design Contest. • The project contest titled Engineering Students Innovation Challenge organized by International Society for Scientific Research and Development and we won Best Project award for their project "Train Bulwark System for Railway Safety". • Won third place in the Car Design Contest organized by "Society of Automotive Engineers (SAE)", India. 6. Problem Encountered and Resources Required Time is the only constraint.However, the initiative are taken to optimize efficiently.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
http://www.muthayammalengg.ac.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

Effective functioning of EDC: • Entrepreneurial Attitude among Students are focused in the academic year 2016-2017 • To provide necessary infrastructure, Human resources and motivation to nurture the Entrepreneurial Attitude among the students. • Entrepreneurship Development Programmes are focused for Students by the officials of MSME Development Institute, Chennai, representatives from DIC, Namakkal District and Managers from leading banks for new ideas and procedure to start their own Business. • Students are encouraged to take part in Project Contests, Start-up Challenges and Boot-camps to showcase their skills. • More MOUs are signed with Industries

Provide the weblink of the institution
http://www.muthayammalengg.ac.in

8.Future Plans of Actions for Next Academic Year

• Proposed to submit more Proposal for Funding • To increase the number of MoUs • To apply for Atal Incubation Centre • To educate the Faculty and Students on CBCS and Patent.