



# MUTHAYAMMAL ENGINEERING COLLEGE

(An Autonomous Institution)

(Approved by AICTE, New Delhi, Accredited by NAAC & Affiliated to Anna University)

Rasipuram - 637 408, Namakkal Dist., Tamil Nadu



**MANDATORY DISCLOSURE**

### 1. Name of the Institution

Name of the Institution	Muthayammal Engineering College (Autonomous)
Address of the Institution	Kakkaveri (Post)
City & Pin Code	Rasipuram & 637 408
District	Namakkal
State	Tamil Nadu
Longitude & Latitude	78.2259 & 11.4451
Phone number with STD code	04287 - 220837
Mobile Number	8870011637
Email	info@mec.edu.in

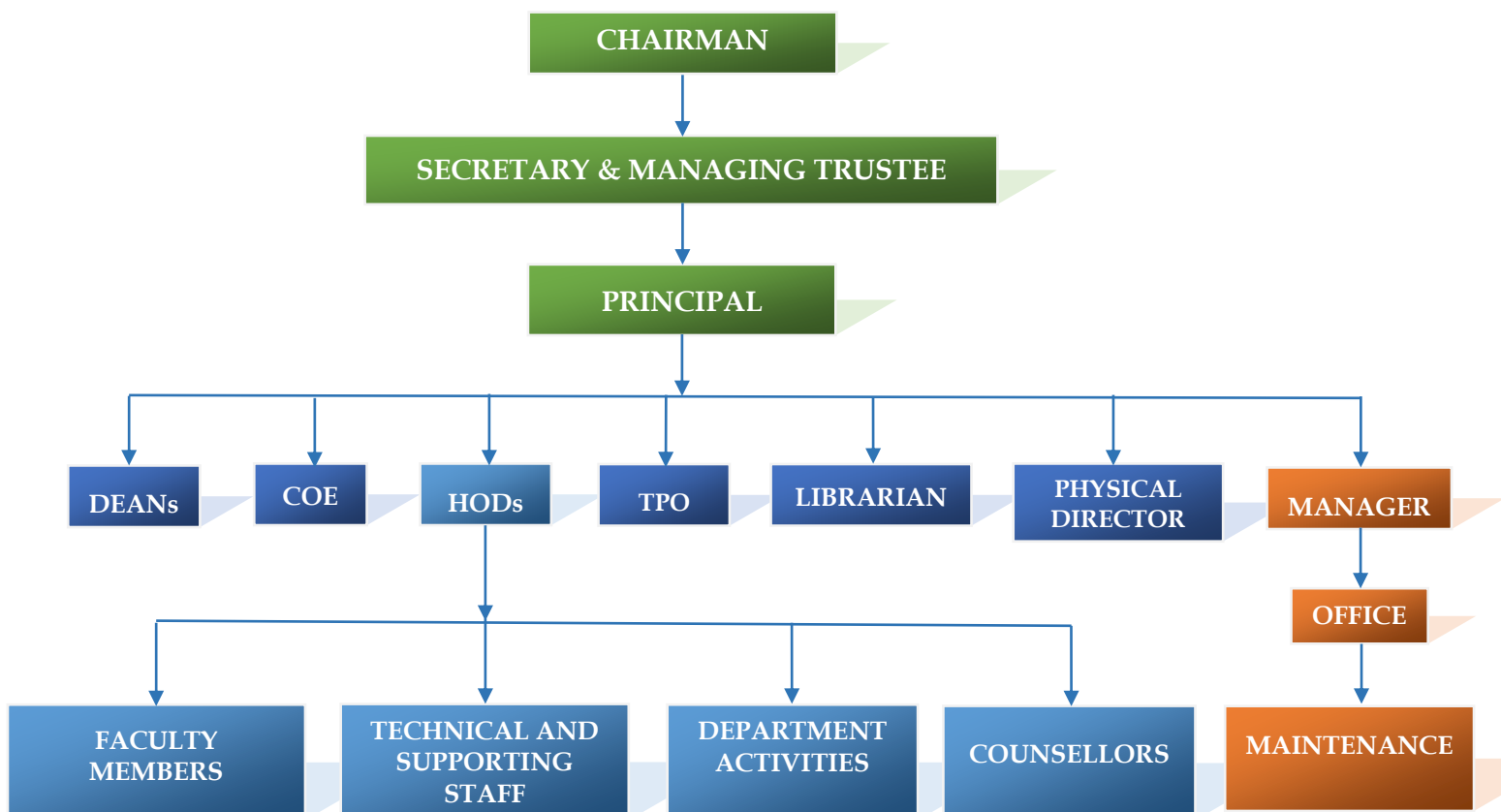
### 2.Name and address of the Trust and the Trustees

Name and address of the Trust	Muthayammal Educational Trust and Research Foundation
Chairman	Thiru. R.Kandasamy
Secretary & Managing Trustee	Dr. K.Gunasekaran,M.E., Ph.D
Trustee	1. Tmt. K.Ammani 2. Mr.G.Raghul, M.E
Address of the Trust	5/329-A, Vinayagar Kovil Street
	State Bank Colony II, Salem-4
Phone number with STD code	04287 - 220837
Mobile Number	8870011637
Email	<a href="mailto:metmec@gmail.com">metmec@gmail.com</a>

3. Name and Address of the Principal	
Name of the Principal	Dr.M.Madheswaran
Address of the Principal	Pulavaradhar Garden, R.Pudhupalayam
	Rasipuram - 637408, Namakkal
Mobile Number	8754008537
Email	principal@mec.edu.in
4. Name of the Affiliating University	
Name of the Affiliating University	Anna University, Chennai
Address	Sardar Patel Road, Chennai - 600 025
Website	www.annauniv.edu
Latest Affiliation period	2024-25

### 5. Governance

#### 5.1.Organizational Chart



## 5.2 Grievance Redressal mechanism for Faculty, Staff and Students

Well established system of collecting feedback from all stakeholders is in effective. The grievances are analyzed and reports submitted to the principal for taking corrective measures. The students can state their Grievance regarding any Academic and non academic matter within the campus through online or may approach the Grievance Redressal Committee members in person.

## 5.3 Establishment of Anti Ragging Committee

### Anti-ragging Committee

Name	Position	Designation
Dr. M. Madheswaran	Chairman	Principal
Mrs. R. Ambiga	Member- Police Department	Inspector of Police Namagiripettai
Mr. S. Saravanan	Member- Revenue Officer	Thasildar Rasipuram
Mr. N. Mohan Kumar	Member Official of NGO	Trustee, Genuine Educational and Chartiable Trust Rasipuram
Mr. V. Pannerselvam	Member- Representatives of Parents	Business
Mr. C. Maragatham	Member- Representatives of Parents	Housewife
Mr. M. Ramasamy	Member- Representative of Non-Teaching	Office Superintendent
Mr. V. K. Thilak	Member- Representatives of Students	Student
Mr. M. Karshin	Member- Representatives of Students	Student

#### 5.4 Establishment of Online Grievance Redressal Mechanism

The institute has set up a Grievance Redressal Committee to look into the grievance of the students, faculty members and staff members. The cell consists of senior members of faculty, closely interacts with all the students, faculty members and staff members, and thus facilitates effective redressal of grievances of any kind. As the administration is highly transparent and the communication flows freely at a faster pace, hardly any grievance in the campus is shorted out immediately. The Grievance can be registered online through the following link <https://mec.edu.in/online-grievance/>

#### 5.5 Details of Grievance Redressal Committee

##### Grievance Redressal Committee

Name	Position	Designation
Dr. G. Kavitha	Chairman	Professor & Head Dept. of Computer Science and Engineering
Dr. S. Saravanan	Member	Dean – Product and Consultancy
Dr. G. Sudarmozhi	Member	Dean – Student Affairs
Dr. G. Sudha	Member	Professor Dept. of Biomedical Engineering
Mr. S. Elavarasan	Member	Professor & Head Dept. of Science and Humanities
Ms. S. Hiranya	Member	Student
Mr. C. Tharun	Member	Student
Mr. A. Mukesh	Member	Student
Ms. M. Elavarasi	Member	Student

## 5.6 Establishment of Internal Complaint Committee (ICC)

### Internal Complaint Committee

Name	Position	Designation
Dr. S. Lavanya	Chairman	Professor Dept. of Computer Science Engineering
Mrs. P. Radha	NGO	Advocate, Rasipuram
Dr. N. Mohanandhini	Member	Associate Professor Dept. of Electrical and Electronics Engineering
Mrs. M. Menagapriya	Member	Associate Professor Dept. of Master of Computer Applications
Mr. M. Subramaniam	Member	Manager
Mrs. S. Bharathi	Member	Junior Assistant
Ms. R. B. Dhivadharshini	Student Representative	Student
Ms. M. Elavarasi	Student Representative	Student
Mr. R. Veeraswaran	Student Representative	Student

## 5.7 SC/ST Committee

### SC/ST Committee

Name	Position	Designation
Dr. G. Sudha	Chairman	Professor Dept. of Biomedical Engineering
Mr. M. Gopinath	Member	Assistant Professor Dept. of Civil Engineering
Mr. S. Boopalan	Member	Assistant Professor Dept of Electronics & Communication Engineering
Mr. P. Harish	Member	Student
Ms. M. Kalavani	Member	Student
P. Dhoshith	Member	Student
R. Tejasvi	Member	Student
K. Vasudevan	Member	Student
D. Dhanush	Member	Student

## 5.8 Internal Quality Assurance Cell

### Internal Quality Assurance Cell

S. No.	Position	Name and Designation of the Members
1.	Chairperson	Dr. M. Madheswaran Principal
2.	Teachers	Dr. G. Kavitha, Prof. & Head/CSE Dr. U. Saravanakumar, Prof. & Head/ECE Dr. T. Dharma Raj, Prof. & Head /EEE Dr. N. Natarajan, Prof. & Head /MECH Dr. P. Ganapathi, Prof. & Head /MBA Prof. S. Elavarasan, Head /S&H
3.	Management	Dr. K. Gunasekaran Secretary & Managing Trustee
4.	Senior Administrative Officers	Dr. G. Sudarmozhi, Dean-Student Affairs Dr. V. Rajendran, Dean-Infrastructure Dr. S. Sundaram, Dean-Technology Learning Dr. S. Saravanan, Dean-Product & Consultancy Dr. P. Suresh, Dean-Research Mr. M. Subramaniam, Manager
5.	Nominee from Local Society	Er. E. Balasubramanian, M.Tech. Director (Retd.) Geological Survey of India Rasipuram
	Nominee from Alumni	Mr. J. Srinivasan Deputy Principal Engineer Alten India Pvt. Ltd. Bangalore
	Nominee from Students	Ms. S. Mahapriya, IV <sup>th</sup> Year CSE Mr. S. Chandru, IV <sup>th</sup> Year MECH Mr. R.P. Mithru, III <sup>rd</sup> Year ECE Mr. N.S. Santhosh Kumar, III <sup>rd</sup> Year EEE
6.	Nominee from Employers/Industrialists/Stakeholders	Dr. Ravi Doraiswami CEO/President Wearable MEMS Pvt. Ltd. Rasipuram
7.	IQAC Coordinator	Dr. N. Suthanthira Vanitha Dean – Quality Assurance

## 5.9 Equal Opportunity Facility Cell

### Equal Opportunity Facility Cell

Name	Position	Designation
Dr. M. Madheswaran	Chairman	Principal
Dr. N. Saravanan	Member	Controller of Examinations
Dr. G. Kavitha	Member	Professor Dept. of Computer Science Engineering
Mrs. K. Helen	Member	Assistant Professor Dept. of English
Dr. T. Yuvaraj	Member	Associate Professor Dept. of Mechanical Engineering
Mr. R. Sundar	Member	Assistant Professor Dept. of Electrical and Electronics Engineering
Dr. C. Selvi	Member	Professor Dept. of Electronics and Communication Engineering

## 6. Programmes

S. No.	Degree	Branch	Duration	Sanctioned Intake	Accreditation Status
1	B.E.	Civil Engineering	4 Years	30	Applied
2	B.E.	Computer Science and Engineering	4 Years	300	Accredited
3	B.E.	Electronics and Communication Engineering	4 Years	240	Accredited
4	B.E.	Electrical and Electronics Engineering	4 Years	120	Accredited
5	B.E.	Mechanical Engineering	4 Years	120	Accredited
6	B.E.	Biomedical Engineering	4 Years	60	-
7	B.E.	Mechatronics Engineering	4 Years	30	-
8	B.E.	Computer Science and Engineering (Cyber Security)	4 Years	60	-
9	B.E.	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	4 Years	60	-



S. No.	Degree	Branch	Duration	Sanctioned Intake	Accreditation Status
10	B.E	Electronics Engineering (VLSI Design and Technology)	4 Years	60	-
11	B.Tech.	Agricultural Engineering	4 Years	30	-
12	B.Tech.	Information Technology	4 Years	120	Applied
13	B.Tech.	BioTechnology	4 Years	60	Applied
14	B.Tech.	Artificial Intelligence and Data Science	4 Years	180	-
15	B.Tech	Computer Science and Business Systems	4 Years	60	-
16	M.E.	Computer Science and Engineering	2 Years	12	-
17	M.E.	VLSI Design	2Years	12	-
18	M.E.	Power Systems Engineering	2 Years	12	-
19	M.E.	CAD/CAM	2Years	12	-
20	M.B.A.	Master of Business Administration	2Years	60	-
21	M.C.A.	Master of Computer Applications	2Years	60	-

### 6.1 Maximum & Minimum Cut-off marks during the last three years

S. No	Degree	Branch	Cut off Marks					
			2024-25		2023-24		2022-23	
			Max	Min	Max	Min	Max	Min
1	B.E.	Civil Engineering	142	95	170	86	128.5	80
2	B.E.	Computer Science and Engineering	193	83	177.5	94.5	177	81
3	B.E.	Electronics and Communication Engineering	175.5	80	167.5	95	178.5	80
4	B.E.	Electrical and Electronics Engineering	178.5	81	162	84	174	84.5
5	B.E.	Mechanical Engineering	172	80	142.5	87	168.5	79
6	B.E.	Biomedical Engineering	170.5	85	164	85	170.5	87.5
7	B.E.	Computer Science and Engineering (Cyber Security)	153	93.5	167.5	91	160	103.5
8	B.E.	Mechatronics Engineering	145.5	82	152	93	168.5	79
9	B.E.	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	170	97.5	168	109	-	-
10	B.E.	Electronics Engineering (VLSI Design and Technology)	166.5	82.5	159	98	-	-
11	B.Tech.	Agricultural Engineering	164.5	94.5	-	-	-	-
12	B.Tech.	Information Technology	184.5	96.5	181	99	183	88
13	B.Tech.	BioTechnology	170.5	95.5	185.5	87.5	183.5	84
14	B.Tech.	Artificial Intelligence and Data Science	195.5	96	171.5	96.5	174.5	87
15	B.Tech.	Computer Science and Business Systems	153	80	178.5	96	-	-

#### Fee

As per Government Norms

## 7. Faculty

S. No	Programme	No. of Faculty	Permanent/ Adjunct	Faculty-Student Ratio
1	<a href="#">B.E. Civil Engineering</a>	10	Permanent	1:12
2	<a href="#">B.E. Computer Science and Engineering</a>	38	Permanent	1:17
3	<a href="#">B.E. Electronics and Communication Engineering</a>	40	Permanent	1:15
4	<a href="#">B.E. Electrical and Electronics Engineering</a>	28	Permanent	1:13
5	<a href="#">B.E. Mechanical Engineering</a>	20	Permanent	1:18
6	<a href="#">B.E. BioMedical Engineering</a>	10	Permanent	1:18
7	<a href="#">B.E. CSE-Cyber Security</a>	09	Permanent	1:20
8	<a href="#">B.E. Mechatronics Engineering</a>	08	Permanent	1:15
9	<a href="#">B.E. CSE-Artificial Intelligence and Machine Learning</a>	04	Permanent	1:15
10	<a href="#">B.E. Electronics Engineering-VLSI Design and Technology</a>	03	Permanent	1:20
11	<a href="#">B.Tech. Information Technology</a>	15	Permanent	1:18
12	<a href="#">B.Tech. BioTechnology</a>	10	Permanent	1:18
13	<a href="#">B.Tech. Artificial Intelligence and Data Science</a>	24	Permanent	1:13
14	<a href="#">B.Tech. Computer Science and Business Systems</a>	04	Permanent	1:15
15	<a href="#">M.E. Computer Science and Engineering</a>	03	Permanent	1:8
16	<a href="#">M.E. VLSI Design</a>	03	Permanent	1:8
17	<a href="#">M.E. Power Systems Engineering</a>	03	Permanent	1:8
18	<a href="#">M.E. CAD/CAM</a>	03	Permanent	1:8
19	<a href="#">M.B.A. (Master of Business Administration)</a>	07	Permanent	1:17
20	<a href="#">M.C.A. (Master of Computer Applications)</a>	08	Permanent	1:15
21	<a href="#">Science and Humanities</a>	95	Permanent	1:16

## 8. Profile of Principal

Name of Faculty	Dr. M. MADHESWARAN		
Designation	Professor		
Department	Electronics and Communication Engineering		
Date of Birth	10.07.1968		
AICTE ID	1-7393994036		
Qualifications	B.E., M.E., Ph.D.,		
Total Experience in Years	Teaching	Research	Industry
	32 Y	30 Y	-
Area of Specialization	Electronics Engineering		
No. of Publications	National Journals	International Journals	Conferences
	20	252	30
No. of Research Guidance	Ph.D [Completed]	Ph.D [Ongoing]	PG
	54	08	32
No. of Books Published	01	No. of Patents	05

<b>Profile of all Faculty Members</b>	<a href="#">Link</a>
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## 9.Fee

No. of Fee Waivers	Total Amount in Rs.
3	2,10,000

## Number of Scholarship Offered by the Institution:

S.No.	Scheme of scholarship	No. of Students Benefitted	Total Amount in Rs.
1	First Graduate	1957	5,16,30,000
2	7.5% Reservation	276	1,69,55,000
3	PMSS	405	2,10,05,000
4	METRF (Management)	1172	1,97,21,900

## 10. Admission

S. No	Degree	2024-25			2023-24			2022-23		
		Sanctioned	Admitted		Sanctioned	Admitted		Sanctioned	Admitted	
			TNEA/ TANCET	MQ		TNEA/ TANCET	MQ		TNEA/ TANCET	MQ
1	B.E	1080	706	200	900	556	188	780	499	189
2	B.Tech	450	293	104	360	233	91	270	153	78
3	M.E	48	-	45	48	-	41	48	-	25
4	MBA	60	7	56	60	1	59	60	3	60
5	MCA	60	4	33	60	6	56	60	11	50

## 11. Admission Procedure

Government Quota	As per Government Norms
Management Quota	As per Association of Management of Coimbatore Anna University Affiliated Colleges, Coimbatore

## 12. Criteria and Weightages for Admission

Government Quota	As per Government Norms
Management Quota	As per Association of Management of Coimbatore Anna University Affiliated Colleges, Coimbatore

### 13. List of Applicants

Government Quota	Details available with Directorate of Technical Education
Management Quota	Details Available with Association of Management of Coimbatore Anna University Affiliated Colleges, Coimbatore

### 14. Result of Admission under Management seats/Vacant seats

Management Quota	Details Available with Association of Management of Coimbatore Anna University Affiliated Colleges, Coimbatore
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### 15. Information of Infrastructure and Other Resources

#### Class Rooms & Tutorial Rooms

S. No.	Room Type	No. of Rooms	Area of each Room in sqm	Total Area in sqm
1	Classroom & Tutorial Rooms	3	103.42	310.26
		1	98	98
		23	78.97	1816.31
		18	77.22	1389.96
		1	70.41	70.41
		2	68.17	136.34
		12	66	792
		1	54.12	54.12
		1	50.69	50.69
		5	34.12	170.6
		13	33	429
2	Laboratory	60	-	6945

#### Drawing Halls

S. No	Room Type	Area of Room in sqm
1	Drawing Hall	132.16
2	Drawing Hall	138.65
3	Drawing Hall	138.65

### Computer Centres

S. No.	Room Type	Area of Room in sqm
1	Computer Center-1	169.35
2	Computer Center-2	138.44
3	Computer Center-3	169.35
4	Computer Center-4	78.97
5	Computer Center-5	77.22
6	Computer Center-6	117.71
7	Computer Center-7	58.24

### Central Examination Facility

Central Examination Facility	Number of Rooms
Available	2

### Online examination Facility

Number of Nodes	Internet bandwidth
854	1024 mbps

Particulars	Status
Barrier Free Built Environment for Disabled and Elderly persons	Available
Fire and Safety Certificate	Available
Hostel Facilities	Available
National Digital Library Subscription	Available
Innovation Cell	Available
Social Media Cell	Available
Games and Sports Facilities	Available

### Details of Library Books and Journals:

Sl. No.	Branch	Available Books		No. of Journals	E-Books	E-Journals
		Titles	Volumes			
1	Civil Engineering	502	2268	12	550	510
2	Computer Science and Engineering	1375	5220	12	1000	423
3	Electronics and Communication Engineering	1630	6968	12	1000	909
4	Electrical and Electronics Engineering	1752	6192	12	1000	419
5	Mechanical Engineering	1527	4587	12	1000	539
6	Information Technology	1232	4533	12	1000	1415
7	BioMedical Engineering	202	743	12	200	249
8	BioTechnology	271	840	12	300	359
9	Artificial Intelligence and Data Science	179	634	12	320	31
10	Computer Science and Engineering (Cyber Security)	182	602	12	300	15
11	Mechatronics Engineering	141	527	12	200	28
12	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	161	281	12	150	110
13	Computer Science and Business Systems	172	298	12	150	90
14	Electronics Engineering (VLSI Design and Technology)	158	283	12	150	100
15	Master of Business Administration	1499	5589	12	250	3206
16	Master of Computer Applications	2434	13191	12	4000	56
17	ME. Computer Science and Engineering	362	1330	13	220	70
18	ME. VLSI Design	401	1201	12	230	72
19	ME. Power Systems Engineering	304	1011	13	210	68
20	ME. CAD/CAM	205	701	15	200	65
21	Science & Humanities	434	1638	12	200	316
22	General	-	-	-	-	10358



**Number of ejournal Subscription:**

S. No.	Name of the Publishers	No. of ejournals
1	J-GATE (Engineering & Technology)	14543
2	J-GATE (MBA)	2847
3	IEEE	64
4	DELNET Proquest	91
5	DELNET Discovery portal	1520
6	DIRF	20
7	Inventi	25
8	Indian journals .com	07
9	Nisclair & Sage	10

**List of Major Equipment/Facilities**

Name of the Laboratory	Major Equipments
<b>CIVIL ENGINEERING</b>	
HYDRAULIC ENGINEERING LAB	ROTAMETER, CENTRIFUGE PUMP, GEAR PUMP, RECIPROCATING PUMP
COMPUTER AIDED DESIGN AND DRAFTING LABORATORY	COMPUTER SYSTEM OF PENTIUM IV OR EQUIVALENT, AUTOCAD, ANALYSIS AND DESIGN SOFTWARE
CONCRETE AND HIGHWAY ENGINEERING LABORATORY	LE CHATELIER'S APPARATUS, VICAT'S APPARATUS, MORTOR CUBE MOULDS, SIEVES, CONCRETE MIXER, MARSHALL ST
ENVIRONMENTAL ENGINEERING LABORATORY	OXYGEN ANALYER, SPECTROPHOTOMETER, ION ELECTRODE, GAS CHROMATOGRAPHY, BOD ANALYSER, COD ANALYSER
STENGTH OF MATERIALS LABORATORY	UNIVERSAL TESTING MACHINE,PENDULAM IMPACT TESTING MACHINE,SPRING TESTING MACHINE
SURVEY LABORATORY	TOTAL STATION
<b>COMPUTER SCIENCE AND ENGINEERING</b>	
CASE TOOLS LABORATORY	SYSTEMS WITH STARUML
CLOUD COMPUTING LABORATORY	STANDALONE DESKTOPS, GOOGLE CLOUD, HADOOP, EUCLYPTUS
COMPILER DESIGN LABORATORY	PERSONAL COMPUTERS, C/C++ COMPILERS, COMPILER WRITING TOOLS
DATA STRUCTURES USING JAVA	STANALONE DESKTOPS, C++ COMPILER

<b>DATABASE MANAGEMENT SYSTEMS LABB</b>	STANDALONE DESKTOPS, SQL +
<b>DIGITAL PRINCIPLES AND SYSTEM DESIGN LABORATORY</b>	DIGITAL IC TRAINER KIT WITH BREAD BOARDS, ICS 7400,7402,7404,7486,7408,7432,7483,74150,74151,74147
<b>INTERNET OF THINGS LABB</b>	SYSTEM WITH ARDUINO
<b>MOBILE APPLICATION LABORATORY</b>	STANDALONE DESKTOPS, C C++ JAVA EQUIVALENT COMPILER, NETWORK SIMULATORS LIKE NS2 EQUIVALENTS, OPNET
<b>OPERATING SYSTEMS</b>	SYSTEMS WITH C C++ JAVA EQUIVALENT COMPILER UNIX LINUX
<b>JAVA PROGRAMMING LAB</b>	PERSONAL COMPUTERS, SCIKIT-LEARN, JUPYTER NOTEBOOK TENSORFLOW
<b>SALESFORCE CRM AND PLATFORM LABB</b>	SYSTEMS WITH INTERNET, ONLINE TRAILHEAD
<b>ELECTRONICS AND COMMUNICATION ENGINEERING</b>	
<b>ANALOG AND DIGITAL COMMUNICATION SYSTEMS LAB</b>	PERSONAL COMPUTERS, COMMUNICATION KITS, CRO, DSO, MSO
<b>DIGITAL IMAGE PROCESSING LABORATORY</b>	PCS WITH FIXED FLOATNG POINT DSP PROCESSORS, MATLAB or SCILAB, SIGNAL GENERATORS, CRO
<b>DIGITAL SYSTEM DESIGN LABORATORY</b>	DIGITAL IC TRAINER KIT, BREAD BOARDS
<b>COMMUNICATION SYSTEMS LAB</b>	KITS FOR SIGNAL SAMPLING, AM,FM,PAM, PPM, CRO/DSO, FUNCTION GENERATOR, MATLAB/SCILAB, IC565
<b>INTEGRATED CIRCUITS LABORATORY</b>	CRO(30MHz), SIGNAL GENERATORS/ FUNCTION GENERATORS(3MHz), DUAL REGULATED POWER SUPPLIES(0-30v)..
<b>INTERNET OF THINGS LAB</b>	STANDALONE DESKTOPS, NETWORK SIMULATORS LIKE NS2 EQUIVALENT, RASPERRY PI, AURDINO, EMBEDDED C
<b>MICROWAVE AND OPTICAL ENGINEERING LABORATORY</b>	MICROWAVE BENCH SETUP, MICROWAVE TEST BENCH, E PLANE TEE, H PLANEE TEE, MAGIC TEE,RF CIRCUIT TRAINER
<b>SIGNAL PROCESSING LABORATORY</b>	PCs WITH FIXAED/FLOATING POINT DSP PROCESSORS, MATLAB/SCILAB,CRO
<b>VLSI DESIGN LABORATORY</b>	Xilinx,PERSONAL COMPUTERS,MENTOR GRAPHICS SOFTWARES
<b>EMBEDDED SYSTEM LAB</b>	EMBEDDED TRAINER KIT, PERSONAL COMPUTERS
<b>ELECTRICAL AND ELECTRONICS ENGINEERING</b>	
<b>AC MACHINES LABORATORY</b>	DC SHUNT MOTOR, SYNCHRONOUS MOTOR, THREE PHASE INDUCTION MOTOR, DC SHUNT MOTOR, SINGLE PHASE MOTOR
<b>CONTROL SYSTEMS LAB</b>	PROCESS CONTROL TRAINER, AC SERVO POSITION CONTROL SYSTEM, SCR FIRING CIRCUIT
<b>DC MACHINES AND TRANSFORMERS LAB</b>	DC MOTOR-COMPOUND GENERATOR,SHUNT GENERATOR

<b>ELECTRIC CIRCUITS LABORATORY</b>	FUNCTION GENERATOR, DIGITAL STORAGE OSCILLOSCOPE 20MHz,AC/DC VOLTMETERS,SINGLE PHASE ENERGY METER.
<b>ELECTRON DEVICES AND INTEGRATED CIRCUITS LAB</b>	SCIENTIFIC MODEL SM410, 30MHZ, DUAL TRACE OSCILLOSCOPE, DIGITAL FUNCTION GENERATOR,DUAL TRACE CRO
<b>MICRO-COMPUTING BASED SYSTEM DESIGN LABORATORY</b>	8085 MICROPROCESSOR TRAINER, 8051 MICROCONTROLLER TRAINER,8255 INTERFACE BOARD, 8251, 8259, 8279
<b>POWER ELECTRONICS LAB</b>	SINGLE PHASE SCR BASED 0.5 CONTROLLED CONVERTER AND FULLY CONTROLLED CONVERTER
<b>POWER SYSTEM SIMULATION LABORATORY</b>	STANDALONE COMPUTERS, PRINTER, SERVER, POWER SYSTEM SIMULATION SOFTWARE
<b>INFORMATION TECHNOLOGY</b>	
<b>ADVANCED WEB DEVELOPMENT LAB</b>	PC WITH INTERNET, VISUAL STUDIO CODE, NODE JS AND WEB BROWSER
<b>DATA ANALYTICS LAB</b>	PC, TABLEAU, MATLAB
<b>DATA BASE MANAGEMENT SYSTEMS LAB</b>	PERSONAL COMPUTERS, VB/VC++, ORACLE/SQL
<b>DATA STRUCTURES LABORATORY</b>	PERSONAL COMPUTERS, TURBO C/C++ COMPILER, CODE BLOCK, ECLIPSE
<b>DIGITAL PRINCIPLES AND SYSTEM DESIGN LAB</b>	DIGITAL TRAINER KIT WITH BREAD BOARDS ICS 7400 7402 7404 7486 7408 7432 7483 74150 74151 74147
<b>INTERNET OF THINGS LAB</b>	STANDALONE DESKTOPS, RASPERRY Pi, AURDINO, EMBEDDED C
<b>MOBILE APPLICATION LABORATORY</b>	PC, WINWAP, ANDROID STUDIO
<b>AWS ACADEMY CLOUD FOUNDATION LAB</b>	CLOUDSIM 3.0.3 AND JDK8U11*64, AWS ACADEMY USING INTERNET
<b>OBJECT ORIENTED PROGRAMMING LABORATORY</b>	PERSONAL COMPUTERS, C++ COMPILER
<b>OPERATING SYSTEMS LAB</b>	PERSONAL COMPUTERS, C/C++ COMPILER
<b>SALES FORCE CRM AND PLATFORM LAB</b>	STANDALONE DESKTOPS, TRAIL BLAZER
<b>MECHANICAL ENGINEERING</b>	
<b>COMPUTER AIDED DESIGN AND MANUFACTURING LABORATORY</b>	CAD CAM SOFTWARE, COMPUTER SERVER
<b>DYNAMICS OF MACHINES LABB</b>	GEAR MODELS, KINEMATICS MODELS TO STUDY VARIOUS MECHANISMS, FLYWHEEL AND AXLE SYSTEMS
<b>HEAT AND MASS TRANSFER LAB</b>	REFRIGERATION TEST RIG,GUARDED PLATE APPARATUS, PIN-FIN,STEFAN-BOLTZMANN APPARATUS
<b>COMPUTER AIDED DESIGN AND ANALYTIC LAB</b>	CAM SOFTWARE, CNCLATHE, COMPUTER SERVER, A3 SIZE PLOTTER
<b>MANUFACTURING TECHNOLOGY LAB</b>	VERTICAL, HORIZONTAL MILLING, GEAR HOBGING, SURFACE GRINDING, CENTERLESS GRINDING MACHINE

<b>MEASUREMENTS LAB</b>	PROFILE PROJECTOR,MECHANICAL COMPARATOR, SINE BAR, GEAR TOOTH VERNIER,TORQUE, FORCE
<b>STRENGTH OF MATERIALS ANDFLUID MACHINERYLAB</b>	UNIVERSAL TESTING MACHINE, ROCKWELL CUM BRINELL HARDNESS TESTER, TORSION TESTING MACHINE
<b>THERMAL ENGINEERING LABORATORY</b>	I.C ENGINE, MULTI CYLINDER, 4 STROKE PETROL ENGINE TEST RIG DATA ACQUISITION SYSTEM, FLASH AND FIRE
<b>BIOMEDICAL ENGINEERING</b>	
<b>ANALOG AND DIGITAL INTEGRATED CIRCUITS LAB</b>	CRP, SIGNAL GENETATORS, FUNCTION GENERATORS, DUAL REGULATEDPOWER SUPPLIES, STANDALONE PCs WITH SPICE
<b>BIOCHEMISTRY AND HUMAN PHYSIOLOGY</b>	COLORIMETER, SPECTROPHOTOMETER, pH METER, WEIGHING BALANCE, REFRIGERATOR, SDS GEL ELECTROPHORESIS
<b>BIOMEDICAL INSTRUMENTATION LABORATORY</b>	ECG HEART RATE ALARM SYSTEM WITH HRV MODULE, PC BASED SPIROMETER, MEDICAL SIMULATOR
<b>SENSORS AND MEASUREMENT LABORATORY</b>	TORQUE MEASUREMENT, STRAIN GAUGE, LVDT, RTD, THERMISTOR, LDR, PHOTODIODE, PRESSURE GAUGE
<b>EMBEDDED SYSTEM LABORATORY</b>	EMBEDDED TRAINER KITS WITH ARM BOARD, EMBEDDED TRAINER KITS SUITABLE FOR WIRELESS COMMUNICATION
<b>MEDICAL SIGNAL PROCESSING LAB</b>	PCs WITH FIXED FLOATING POINT DSP PROCESSORS, MATLAB OR SCILAB WITH SIMULINK, SIGNAL GENERATORS, CRO
<b>MICROPROCESSOR AND MICROCONTROLLER LAAB</b>	8085, 8086, 8051 MICROPROCESSOR TRAINER KIT
<b>MEDICAL IMAGE PROCESSING LAB</b>	PC WITH MATLAB SOFTWARE
<b>BIOTECHNOLOGY</b>	
<b>PROTEIN AND ENZYME ENGINEERING LAB</b>	WEIGHING BALANCE, Ph METER, CALORIMETER, SDS PAGE KIT, UV TRANSILLUMINATOR
<b>BIOINFORMATICS LABORATORY</b>	COMPUTER WITH BLAST, FASTA, CLUSTALW, MOLPHY,RASMOL,SWISSPROT, PDB EQUIVALENT SOFTWARE
<b>BIOPROCESS ENGINEERING LAAB</b>	AUTOCLAVE, HOT AIR OVEN, INCUBATOR, INCUBATOR SHAKER, COLORIMETER, LAMINAR FLOW CHAMBER
<b>CHEMICAL REACTION ENGINEERING LABORATORY</b>	COLORIMETER, VENTURIMETER, ORIFICEMETER, CENTRIFUGAL PUMP, ROTAMETER, MAGNETIC STIRRER, HEAT EXCHAN
<b>DOWNSTREAM PROCESSING LABB</b>	REFRIGERATED CENTRIFUGE, COLORIMETER, CENTRIFUGE NORMAL
<b>GENETIC ENGINEERING LABORATORY</b>	ELECTROPHORESIS KIT, UV TRANSILLUMINATOR, SDS PAGE KIT, WESTERN BLOT SETUP, REFRIGERATOR, CHEMICALS
<b>IMMUNOLOGY LAB</b>	ELISA READER, RECIPROCAL SHAKER, REFRIGERATOR
<b>INSTRUMENTATION METHODS OF ANALYSIS LABORATORY</b>	UV-VIS SPECTRO PHOTOMETER, NEPHLOMETER, FLUORIMETER, TLC CHAMBER, REFRIGERATOR, COLORIMETER
<b>MICROBIOLOGY LABORATORY</b>	AUTOCLAVE, LAMINAR FLOW CHAMBER, WEIGHING BALANCE, INCUBATOR, MICRODOME, MICROSCOPE, VORTEX MIXER

<b>MOLECULAR BIOLOGY LABORATORY</b>	ELECTROPHORESIS KIT, GEL ROCKER, DEEP FREEZER, REFRIGERATOR CENTRIFUGE, MICRO FUGE, WEIGHING BALANCE
<b>COMPUTER SCIENCE AND ENGINEERING (CYBER SECURITY)</b>	
<b>OPERATING SYSTEMS LAB</b>	SYSTEMS WITH ECLIPSE IDE, J2EE CODE BLOCKS
<b>DATA STRUCTURES LABB</b>	STANDALONE DESKTOPS, C++ COMPILER
<b>AWS ACADEMY CLOUD FOUNDATION LAB</b>	CLOUDSIM 3.0.3 AND JDK8U11*64, AWS ACADEMY USING INTERNET
<b>JAVA PROGRAMMING LABB</b>	STANDALONE DESKTOPS, ECLIPSE IDE
<b>OPERATING SYSTEMS LABB</b>	STANDALONE DESKTOPS WITH LINUX, C C++ JAVA EQUIVALENT COMPILER
<b>SALES FORCE CRM AND PLATFORM LABORATORY</b>	STANDALONE DESKTOPS, TRAIL BLAZER
<b>WEB AND MOBILE APPLICATION LABORATORY</b>	SYSTEMS WITH INTERNET, WINWAP, ANDROID STUDIO
<b>ARTIFICIAL INTELLIGENCE AND DATA SCIENCE</b>	
<b>OBJECT ORIENTED PROGRAMMING LAB</b>	STANDALONE DESKTOPS, JAVA8.0/CODE BLOCKS, ECLIPSE
<b>DATA STRUCTURES USING C + + LABB</b>	PERSONAL COMPUTERS, C/C++ COMPILER
<b>DATABASE DESIGN AND MANAGEMENT</b>	STANDALONE DESKTOP, VB VC++, JAVA, ORACLE SQL or MYSQL, POSTGRESS DB2
<b>DEEP LEARNING</b>	SYSTEMS WITH COLAB, HIGH END GPU SYSTEMS
<b>ARTIFICIAL INTELLIGENCE LAB I</b>	STANDALONE DESKTOPS, PYTHON3.7.4, TENSORFLOW2.0
<b>ARTIFICIAL INTELLIGENCE LAB II</b>	STANDALONE DESKTOPS, PYTHON3.7.4, TENSORFLOW2.0
<b>INTERNET PROGRAMMING AND WEB TECHNOLOGIES</b>	SYSTEMS WITH INTERNET, DREAM WEAVER, MySQL, APACHE SERVER, WAMP/XAMPP
<b>MACHINE LEARNING LAB</b>	COMPUTER, C/C++ / JAVA
<b>OPERATING SYSTEM LAB</b>	PERSONAL COMPUTERS, C/C++/JAVA
<b>ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING</b>	
<b>PROGRAMMING IN C LAB</b>	COMPUTER, TURBO C COMPILER
<b>PYTHON PROGRAMMING LAB</b>	SYSTEM WITH PYTHON3.1 1.1 PYCHARM
<b>DATASTRUCTURES LAB</b>	SYSTEM WITH TURBO C/C+, CODE BLOCKS

<b>OBJECT ORIENTED PROGRAMMING LAB</b>	STANDALONE DESKTOPS, JAVA8.0/CODE BLOCKS, ECLIPSE
<b>DATABASE DESIGN AND MANAGEMENT</b>	STANDALONE DESKTOP, VB VC++, JAVA, ORACLE SQL or MYSQL, POSTGRESS DB2
<b>OPERATING SYSTEM LAB</b>	PERSONAL COMPUTERS, C/C++/JAVA
<b>TRANSFERLEARNING LAB</b>	SYSTEM WITH HADOOP, PIG, HIVE, H-BASE
<b>COMPUTER SCIENCE AND BUSINESS SYSTEMS</b>	
<b>PROGRAMMING IN C LAB</b>	COMPUTER, TURBO C COMPILER
<b>DATASTRUCTURESAND ALGORITHM LAB</b>	SYSTEM WITH TURBO C/JAVA EQUIVALENT
<b>OBJECT ORIENTED PROGRAMMING LAB</b>	STANDALONE DESKTOPS, JAVA8.0/CODE BLOCKS, ECLIPSE
<b>OPERATING SYSTEM LAB</b>	PERSONAL COMPUTERS, C/C++/JAVA
<b>DIGITAL PRINCIPLES AND SYSTEM DESIGN LABORATORY</b>	DIGITAL IC TRAINER KIT, BREAD BOARDS
<b>ELECTRONICS ENGINEERING (VLSI DESIGN AND TECHNOLOGY)</b>	
<b>VHDL LAB</b>	XILINX VIVADO 2022, STANDALONE DESKTOP PC
<b>ELECTRONIC CIRCUITS LABORATORY</b>	FUNCTION GENERATOR, CRO, VOLTMETERS,BREAD BOARDS
<b>DIGITAL SYSTEM DESIGN LABORATORY</b>	DIGITAL IC TRAINER KIT, BREAD BOARDS
<b>CMOS VLSI DESIGN LAB</b>	MENTOR GRAPHICS HEP1,HEP2, STANDALONE DESKTOPS
<b>DIGITAL SIGNAL PROCESSING LABORATORY</b>	PCs WITH FIXED/FLOATING POINT DSP PROCESSORS, MATLAB/SCILAB,CRO
<b>MECHATRONICS ENGINEERING</b>	
<b>FLUID MECHANICS AND MACHINERY LAB</b>	ORIFICE METER, VENTURI METER SET UP, ROTAMETER SET UP, GEAR PUMP SET
<b>DIGITAL ELECTRONICS LABB</b>	DIGITAL IC TEAINER KIT WITH BREAD BOARDS, ICS 7400,7402,7486,7408,7432,7483,74150,74151
<b>ASSEMBLY DRAWING AND MODELLING LAB</b>	ANY HIGH END INTEGRATED MODELLING SOFTWARE, COMPUTER SERVER, COMPUTER NODES AND SYSTEMS
<b>MANUFACTURING TECHNOLOGY LABB</b>	VERTICAL MILLING MACHINE, HORIZONTAL MILLING MACHINE, GEAR HOBGING MACHINE, SURFACE GRINDING MACHINE
<b>DYNAMICS OF MACHINES</b>	GEAR MODELS, FLY WHEEL AND AXEL SYSTEM, COMPOUND PENDULUM,

<b>STRENGTH OF MATERIALS LABB</b>	MUFFLE FURNACE 800C, UNIVERSAL TENSILE TESTING MACHINE, SPRING TESTING MACHINE FOR TENSILE, ROCKWELL
<b>MASTER OF COMPUTER APPLICATIONS</b>	
<b>DATA ANALYTICS LABORATORY</b>	STANDALONE DESKTOPS, UBUNTU OS, HADOOP 2.8.0, APACHE SPARK, R/PYTHON
<b>MOBILE APPLICATION LAB</b>	MACHINE WITHINTEL I5/I7 PROCSSOR, ANDROID STUDIO
<b>INTERNETPROGRAMMING LAB</b>	COMPUTERS, JAVA, MS ACCESS / MYSQL, NETBEANS, TOMCAT SERVER / GLASS FISH SERVER
<b>NETWORK PROGRAMMING LABORATORY</b>	STANDALONE DESKTOPS, LINUX OPERATING SYSTE WITH GNU COMPILER
<b>SOFTWARE DEVELOPMENT - CASE TOOLS LABORATORY</b>	WINDOWS WITH ARGO UML
<b>MASTER OF BUSINESS MANAGEMENT</b>	
<b>COMMUNICATION LAB</b>	STANDALONE DESKTOPS, MS OFFICE
<b>I YEAR LAB</b>	
<b>PHYSICS LAB</b>	DIODE LASER, ULTRASONIC, INTERFERO METER, COMPOUND PENDULUM, SPECTRO METER
<b>CHEMISTRY LAB</b>	ELECTRONIC BALANCE, PH METER, CONDUCTIVITY METER,SPECTRO PHOTO METER
<b>PROGRAMMING IN C LABORATORY</b>	COMPUTER, TURBO C COMPILER

### Teaching Learning Process

Facilities	Status
Curricula and syllabus for each of the Programmes	<a href="https://mec.edu.in/academics/controller-of-examinations/">https://mec.edu.in/academics/controller-of-examinations/</a>

### 16. Enrolment and placement details of students in the last 3 years

S. No.	Particulars	2023-24	2022-23	2021-22
1	No. of Students opted for Placement	893	697	565
2	No. of Students Placed	739	573	458
3	No. of Students who opted higher studies/own business	132	93	169
4	Percentage of Students Placed	82.75	82.2	81.06

### 17. List of Research Projects / Consultancy Works

Academic Year	Research Projects		Consultancy Work	
	Number of Projects	Grant received in Rs.	Number of Consultancy	Grant received in Rs.
2021-22	2	197500	11	857000
2022-23	8	457500	32	3488000
2023-24	2	120000	34	4900600

### 18. MoUs with Industries

Facilities	Status
MoUs with Industries	<a href="https://mec.edu.in/industry-academia-collaboration-mou/">https://mec.edu.in/industry-academia-collaboration-mou/</a>