

## MANDATORY DISCLOSURES

1	<b>Name of the Institution</b>	<b>Mahendra Institute of Engineering and Technology</b>
	Address of the Institution	Mahendhirapuri, Mallsamudram
	City & Pin code	Namakkal- 637 503
	State	Tamilnadu
	Longitude & Latitude	78°00'33.53"E & 11°47'59.07"N
	Phone Number with STD Code	04288-288506
	Mobile Number	-
	Fax Number with STD Code	04288-288506
	Office hours at the Institution	9.20 a.m. to 5.00 p.m.
	Academic hours at the Institution	9.20 a.m. to 4.30 p.m.
	E-Mail	<a href="mailto:principal@miet.asia">principal@miet.asia</a>
	Website	<a href="http://www.miet.asia">www.miet.asia</a>
	Nearest Railway Station	Salem
	Nearest Airport	Salem
	Type of Institution	Private – Self Financing
2	<b>Name and address of the Trust</b>	<b>Mahendra Educational Trust</b>
	Type of the Organization	Trust
	Address of the Organization	Kallipatty, Mallasamudram – 637501
	Phone Number with STD Code	04288 – 238507
	Mobile Number	9442211521
	E-Mail	<a href="mailto:info@mahendrainstitutions.com">info@mahendrainstitutions.com</a>
3	<b>Name of the Principal</b>	<b>Dr.M.Senthilkumar</b>
	Address	Mahendhirapuri, Mallsamudram
	Phone Number with STD Code	04288 - 288507
	Mobile Number	9443489464
	E-Mail	<a href="mailto:principal@miet.asia">principal@miet.asia</a>
4	<b>Name of the affiliating University</b>	<b>Anna University, Chennai</b>

### 5. Governance

#### 5.1 Composition of Governing Council

S.No	Name	Position	Designation and Address
1.	Thirumigu. M.G.Bharath Kumar	Chairman	Founder and Chairman, Mahendra Institute of Engineering and Technology, Mahendrapuri, Mallasamudram, Namakkal Dist.637503.
2.	Thirumathi. Valliyammal Bharath Kumar	Management Nominee	Secretary, Mahendra Institute of Engineering and Technology, Mahendrapuri, Mallasamudram, Namakkal Dist.637503.
3.	Er. Ba. Mahendhiran	Management Nominee	Managing Director, Mahendra Institute of Engineering and Technology, Mahendrapuri, Mallasamudram, Namakkal Dist.637503.

4.	Er. B.Maha Ajay Prasath	Management Nominee	Managing Director, Mahendra Institute of Engineering and Technology, Mahendrapuri, Mallasamudram, Namakkal Dist.637503.
5.	Dr.R.Samson Ravindran	Institution Member	Executive Director, Mahendra Institute of Engineering and Technology, Mahendrapuri, Mallasamudram, Namakkal Dist.637503.
6.	Dr.R.Rajavel	Institution Member	Dean - Academics, Mahendra Institute of Engineering and Technology, Mahendrapuri, Mallasamudram, Namakkal Dist.637503.
7.	Prof.R.Sugavanam	Institution Member	Academic coordinator, Mahendra Institute of Engineering and Technology, Mahendrapuri, Mallasamudram, Namakkal Dist.637503.
8.	Dr.Mohanraj Subramaniam	Member from industry	Managing Director, AlgalR NutraPharms Private Limited, Thanjavur.
9.	Dr. M.Senthil Kumar	Principal – Ex-officio and Member Secretary	Principal, Mahendra Institute of Engineering and Technology, Mahendrapuri, Mallasamudram, Namakkal Dist.637503.
10.	Dr.C.T.Sivakumar	Special Invitee	Executive Officer, Mahendra Institute of Engineering and Technology, Mahendrapuri, Mallasamudram, Namakkal Dist.637503.

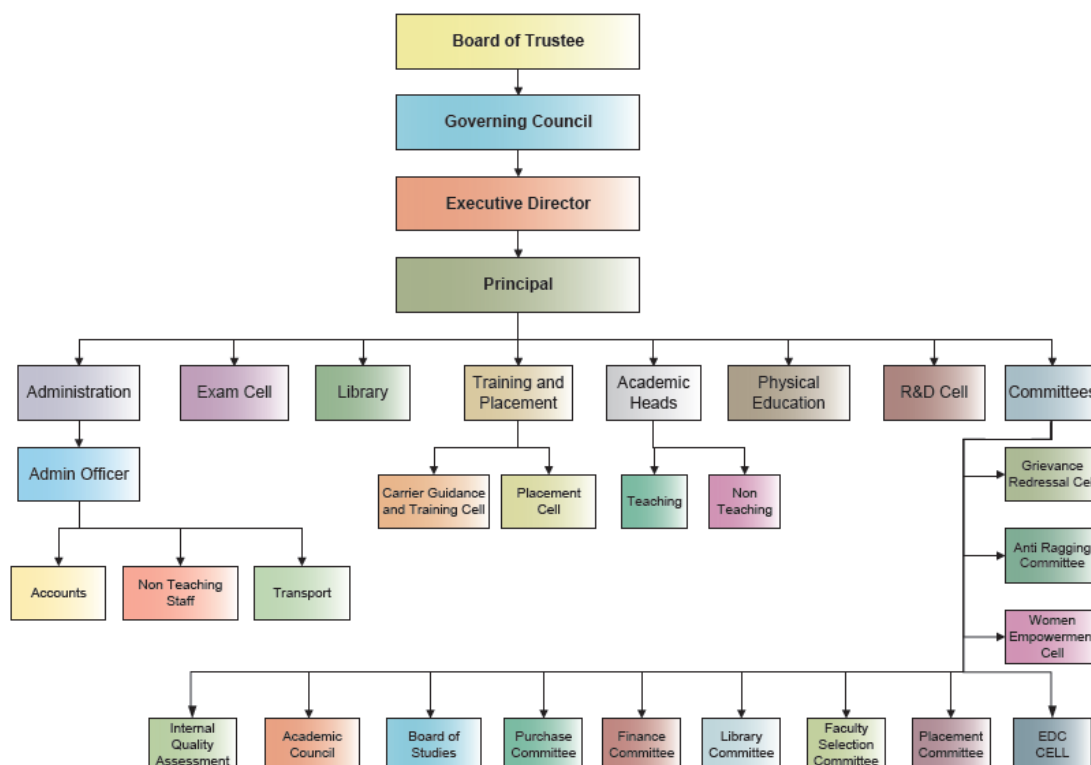
Frequency of meeting – once in a year.

## **5.2 – Academic Advisory body (Academic council)**

S.No	Name	Position	Address
1.	Dr. M.Senthil kumar,	Chairman of the Academic Council	Principal, Mahendra Institute of Engineering and Technology, Mahendrapuri, Mallasamudram, Namakkal Dist.637503
2.	Dr. J.Rajavel,	Member Secretary	Professor and Dean - Academics , Mahendra Institute of Engineering and Technology, Mahendrapuri, Mallasamudram, Namakkal Dist.637503
3.	Prof.R.Sugavanam	Member	Academic coordinator, Mahendra Institute of Engineering and Technology, Mahendrapuri, Mallasamudram, Namakkal-Dist.637503.
4.	Dr. S.P. Kumaresh Babu	Academic Expert	Associate Professor, MME, National Institute of Technology, Trichirappalli

5.	Dr Vincent Herald Wilson	Academic Expert	Professor Grade 1 Department of Technology Management, VIT, Vellore.
6.	Dr.Mohanraj Subramaniam	Industry Expert	Managing Director, AlgalR NutraPharms Private Limited, Thanjavur.
7.	All Heads of Departments	Department Expert	HoD's, Mahendra Institute of Engineering and Technology

### 5.3 – Organizational chart



### 5.4 – Nature and Extent of involvement of Faculty and students in academic Affairs/improvements

#### 5.4.1 Curriculum

Since we are affiliated college to Anna University, Chennai, we follow CBCS of Anna university. The **CBCS** or Choice Based Credit System offers an effective learning platform for students by broadening the horizons of education. It is a student-centric course that allows students to choose their elective subjects. The subjects can be at a basic or advanced level. Instead of the conventional marking system, the CBCS system uses credits.

This choice based credit system in higher education provides the curriculum and granting credits based on the course intensity and teaching hours. This helps students to pursue courses of their choice, study at their own pace, learn extra courses, and acquire more than the required credits.

Every B.E. / B. Tech. Programme will have a curriculum with syllabi consisting of theory and practical courses that shall be categorized as follows:

- i. **Humanities and Social Sciences (HS)** courses include Technical English, Engineering Ethics and Human Values, Communication skills, Environmental Science and Engineering.
- ii. **Basic Sciences (BS)** courses include Mathematics, Physics, Chemistry, Biology, etc.
- iii. **Engineering Sciences (ES)** courses include Engineering practices, Engineering Graphics, Basics of Electrical / Electronics / Mechanical / Computer Engineering, Instrumentation etc.
- iv. **Professional Core (PC)** courses include the core courses relevant to the chosen specialization/branch.
- v. **Professional Elective (PE)** courses include the elective courses relevant to the chosen specialization/ branch.
- vi. **Open Elective (OE)** courses include the courses from other branches which a student can choose from the list specified in the curriculum of the students B.E. / B. Tech. / B. Arch. Programmes.
- vii. **Employability Enhancement Courses (EEC)** include Project Work and/or Internship, Seminar, Professional Practices, Case Study and Industrial/Practical Training.

It incorporates engineering knowledge integrating in adopted schools and social causes.

#### 5.4.2 Delivery

In addition to regular methods, we emphasize the Usage of ICT tools for 24/7 access of content for students. CBCS emphasizes group discussions, assignments, class activities, and internal examinations, focuses on both theory and laboratory courses thus creating a beneficial education environment. The medium of instruction is English for all courses, examinations, seminar presentations and project / thesis / dissertation reports.

#### 5.4.3 System of examination

Performance in each course of study shall be evaluated based on (i) continuous internal assessment throughout the semester and (ii) University examination at the end of the semester. Regarding internal assessment test, Question papers are based on blooms taxonomy. Facilitating slow learners with flexible test arrangements and usage of technology for assessment for PG programmes.

Each course, both theory and practical (including project work & viva voce Examinations) shall be evaluated for a maximum of 100 marks, For all theory and practical courses including project work, the continuous internal assessment will carry 20 marks while the End - Semester University examination will carry 80 marks.

Industrial training and seminar shall carry 100 marks and shall be evaluated through internal assessment only.

The University examination (theory and practical) of 3 hours duration shall ordinarily be conducted between October and December during the odd semesters and between April and June during the even semesters.

The University examination for project work shall consist of evaluation of the final report submitted by the student or students of the project group (of not exceeding 4 students) by an external examiner and an internal examiner, followed by a viva-voce examination conducted separately for each student by a committee consisting of the external examiner, the supervisor of the project group and an internal examiner.

For the University examination in both theory and practical courses including project work the internal and external examiners shall be appointed by the Controller of Examinations, Anna University, Chennai.

#### **5.4.4 Co curricular**

As per university norms, for the Co-curricular activities such as National Cadet Corps (NCC)/ National Service Scheme (NSS) / NSO / YRC, a satisfactory / not satisfactory grading will appear in the mark sheet. Every student shall put in a minimum of 75% attendance in the training and attend the camp compulsorily. A satisfactory grade in the above co-curricular activities is compulsory for the award of degree.

We implement Faculty mentor system so as to motivate the students to perform well in their daily routines and as well as enthusiastic participation in seminars, symposium and in workshops.

### **5.5 - Mechanism/ Norms and Procedure for democratic/ good Governance**

#### **5.5.1 Academic**

We have a structured mechanism for sharing of information from top to bottom and as well as vice versa. There shall be a class advisor for each class. The class advisor will be one among the (course-instructors) of the class. He / She will be appointed by the HoD of the department concerned. The class advisor is the ex-officio member and the Convener of the class to act as the channel of communication between the HoD and the students of the committee. The responsibilities for the class advisor shall be:

- To act as the channel of communication between the HoD and the students of the respective class.
- To collect and maintain various statistical details of students.
- To help the chairperson of the class committee in planning and conduct of the class committee meetings.
- To monitor the academic performance of the students including attendance and to inform the class committee.
- To attend to the students' welfare activities like awards, medals, scholarships and industrial visits.

##### **5.5.1.2 CLASS COMMITTEE**

Every class shall have a class committee consisting of teachers of the class concerned, student representatives and a chairperson who is not teaching the class. It is like the 'Quality Circle' (more commonly used in industries) with the overall goal of improving the teaching learning process. The functions of the class committee include:

- Solving problems experienced by students in the class room and in the laboratories.
- Analyzing the performance of the students of the class after each test and finding the ways and means of solving problems, if any
- Identifying the weak students, if any, and requesting the teachers concerned to provide some additional help or guidance or coaching to such weak students.

The class committee shall be constituted within the first week of each semester. At least 4 student representatives (usually 2 boys and 2 girls) shall be included in the class committee. The Chairperson of the class committee may invite the Class adviser(s) and the Head of the Department to the class committee meeting. The Head of the Institution may participate in any class committee of the institution. The chairperson is required to prepare the minutes of every meeting, submit the same to Head of the Institution within two days of the meeting and arrange to circulate it among the students and teachers concerned.

During the CC meetings the student members representing the entire class, shall meaningfully interact and express the opinions and suggestions of the other students of the class in order to improve the

effectiveness of the teaching-learning process. If there are some points in the meeting requiring action by the management, the same shall be brought to the notice of the Management by the Head of the Institution.

A effective feedback mechanism and grivenses redressel mechanism is followed as mentioned in 5.6, 5.7, 5.9.

### **5.5.2 Governance**

Organizational chart is given in 5.3. Institution is governed by governing council 5.1.

Principal is the secretary and ex officio member.

Principal is assisted by Department heads. The duties of heads of department are listed below:

- Department heads work to improve the department vertically, frame budgets, facilitate technology in teaching learning process.
- Encourage faculty to nurture the students to bring out their full potential.
- Heads also identify the funding agencies like AICTE, GST etc to get funds for their projects.
- Felicitate R & D activities in the department.
- Conduct periodic class committee meetings to elucidate views of the students in different domains for improvement.
- Bringing empathy in the minds of students to serve the society as a future engineer.
- Conduct periodic staff meeting to get feedback about general, academic, department development and research activities.

### **5.6 - Student feedback mechanism on Institutional Governance / faculty performance**

Our Institution has established a system of collecting structured feedback on class conduction and syllabus coverage, its review and teaching-learning process. Every Department collects feedback from the students for all courses twice in a semester. Generally, the first feedback is collected after one month of commencement of classes and the second feedback is collected at the end of the semester before the examinations. One of the regular classes is earmarked for collection of feedback.

The feedback is collected by the members of Internal Quality Assurance Cell (IQAC), its Coordinator and Department IQAC member. After collecting the feedback, it is analysed by a common statistical method. The feedback analysis covers the faculty promptness to classes, quality of teaching, and coverage of syllabus, preparing the students for examination, innovative practices followed by the faculty, evaluation procedure, and interaction with students. The consolidated report for the feedback of all courses is submitted to the HOD and Principal for taking corrective action if required. We do online feedback collection from alumni of institution for continuous improvement on the system followed and also suggestion for improvement in forth coming days. Feedback from Parents is collected through both informal and formal structured methods.

### 5.7 - Grievance Redressal mechanism for faculty, staff and students

Sl. No.	Name and Designation	Position (Chairman/ Member)	Category	Telephone numbers	E-mail
1	Dr.M.Senthilkumar Principal	Chairman	Principal of the College	9443489464	<a href="mailto:principal@miet.asia">principal@miet.asia</a>
2	Prof. R. Sugavanam Academic coordinator	Member	Senior faculty member of the College	8220845673	sugavanamr@miet.asia
3	Dr.Jayajothi Professor & Head Petrochemical engineering	Member	Senior faculty member of the College	9751480554	hodpetro@miet.asia
4	Dr. R.Santhi Professor & Head Physics	Member	Senior faculty member of the College	9965542989	hodphysics@miet.asia
4	Mr.A.Jagadeesan Associate Professor & Head Mechanical Engineering	Member	Senior faculty member of the College	9842008501	<a href="mailto:hodmech@miet.asia">hodmech@miet.asia</a>
5	Mr.S.Sakthivel Associate Professor & Head Aeronautical Engineering	Member	Senior faculty member of the College	8489845840	hodaero@miet.asia
6	Mr.A.B. Abdul malik II yr Computer Science	Member	Student Representative	8508035080	mr.abdulmalik01@yahoo.com
7	Mr M.Gowtham IV yr Mechanical	Member	Student Representative	9789451233	gowtha6600@gmail.com
8	Ms.G.Kaviya II yr Computer Science	Member	Student Representative	9791893686	kaviyag@gmail.com
9	Ms.S.Ramana III yr Aeronautical	Member	Student Representative	6369926823	ramana2k02@gmail.com

### 5.8 - Establishment of Anti Ragging Committee

S.No.	Name and Designation	Position	Mobile Number	E-mail
1.	Dr.M.Senthilkumar Principal	Chairman	9443489464	principal@miet.asia
2.	Mr.Umashankar Inspector of Police Mallasamudram	Member	9498167667	-
3.	Mr.Anburajan Revenue Inspector Mallasamudram	Member	9047385424	-
4.	Mr.R.Thirumoorthi Administrative Officer	Member	6383592287	<a href="mailto:thirumoorthig@miet.asia">thirumoorthig@miet.asia</a>
5.	Mr.A.Jagadeesan Associate Professor & Head Mechanical Engineering	Member	9842008501	hodmech@miet.asia
6.	Dr.R.Santhi Professor & Head Physics	Member	9965542989	hodphysics@miet.asia
7.	Mr.P.Kathirvel Associate Professor & Head Civil Engineering	Member	9659453396	kathirvelp@miet.asia
8.	Mr.R.Manthiri Associate Professor & Head ECE	Member	9865653386	manthirir@miet.asia
9.	Mr.P.Loganathan LT/Physics	Member	8012329324	loganathanp@miet.asia
10.	P.Ponnusamy F/O Ponvijay	Member Representative of Parents.	8754282025	ponnusamyvijay@gmail.com
11.	Mr.P.Yuvanshankar III Yr / Petrochemical	Member Representative of Students.	9360175158	Yuvanshankar2021@gmail.com
12.	Ms.R.Madhumitha II Yr /CSE	Member	6382903806	Srimadhu418@gmail.com
13.	Mr.P.Nagaraj III Yr / Mechanical	Member	8870308665	Nagarajperiyasamy2001@gmail.com



## 5.9 - Establishment of Online Grievance Redressal mechanism

The grievance redressal procedure is a mechanism to sort out the issues between student and college. It is a system to settle a problem. It enables to express feelings by initiating and pursuing the grievance procedure in accordance with the rules and regulations of the college. It involves a process of investigation in which 'Grievance Redressal Cell' enquires and analyses the nature and pattern of the grievances in a strictly confidential manner.

The students are ought to lodge their grievances in the prescribed form available in the college website. The grievances can also be submitted in the drop box fixed at the office room. The box will be opened once in a month and grievances (if any) found, then the convener in turn intimates the matter to the members of the cell for necessary action. Final report based on grievance received and resolved will be submitted to the Director & Principal and further course of action will be decided and the same shall be intimated to the students. In case of any false or frivolous complaint, the cell may recommend appropriate action against the complainee.

## 5.10 - Establishment of Internal Complaint Committee

S. No	Name and Designation	Position (Chairperson /Member )	Category	Phone Number	Email Id
1	Mr.P.Kathirvel Associate Professor & Head /Civil Engineering	Chairman	Associate Professor & Head	9445913396	<a href="mailto:hodcivil@miet.asia">hodcivil@miet.asia</a>
2	Dr.R.Santhi Head/Physics	Member	Faculty Representative	9965542989	hodphysics@miet.asia
3	Mrs.S .Suthandra devi AP /Civil	Member	Faculty Representative	9600802496	suthandradevis@miet.asia
4	Ms.N. Shanmugapriya Associate Professor & Head/Maths	Member	Faculty Representative	9976348631	hodmaths@miet.asia
5	Mr.V.Selvaraj LT /Chemistry	Member	Non Teaching Representative	9944518194	selvarajv@miet.asia
5	Dr.K. Arthanari	Outside Member	Others-M D Gokulam Hospitals Salem	4272448171	admin@srigokulamhospital.com
6	Ms.N.Indhumathi	Member	Warden Girls Hostel	8870408656	<a href="mailto:Indhun92@gmail.com">Indhun92@gmail.com</a>
7	Mr.A.Sriram III Yr / Mechanical	Member	Students Representative	7010366989	Sriramashok0003@gmail.com
8	Mr.M.Balaji II Yr / Petrochemical	Member	Students Representative	8220133245	Balajim2019@gmail.com

### 5.11 - Establishment of Committee for SC / ST

Sl. No.	Name and Designation	Position (Chairman / Member)	Category	Telephone numbers	E-mail
1	Dr.K.Jeyajothi Professor and Head/ Petrochemical Engineering	Chairman	Senior Member	9751480554	hodpetro@miet.asia
2	Mr.A.Jagadeesan Associate Professor and Head/ Mechanical Engineering	Member	Faculty Representative	9842008501	hodmech@miet.asia
3	Mr.P.Kathirvel Associate Professor & Head/Civil Engineering	Member	Faculty Representative	9659453396	hodcivil@miet.asia
4	Mr.T.Periyasamy Associate Professor & Head / Chemistry	Member	Faculty Representative	9965352805	hodchemistry@miet.asia
5	Dr.K.Rajesh Professor / Maths	Member	Faculty Representative	9092796838	rajeshk@miet.asia
6	Ms.R.Abinaya IV yr/Petrochemical	Member	Student Representative	6369992927	abinayadharshini4561@gmail.com
7	Mr.A.Muthu Prakash I Yr / Computer Science	Member	Student Representative	9344968455	Muthuprakasha21@gmail.com

### 5.12 - Internal Quality Assurance Cell (IQAC)

#### Mahendra IQAC

The Internal Quality Assurance Cell (IQAC) was formed in the college in 2018. The purpose of the cell is to extend a system for responsive, reliable and catalytic enhancement in the overall growth and development of the institution at all levels with the contribution of all stakeholders.

#### Objectives

- To build up a system with quality consciousness, reliable and catalytic action to improve the academic and administrative functions of the institution.
- To encourage measures for institutional functioning towards structured development through internalization of quality society and institutionalization of best practices.

#### Strategies

#### **IQAC shall evolve mechanisms and procedures for**

- a) Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process.
- b) Parameters for various academic and administrative activities of the institution

- c) Collection and analysis of feedback from all stakeholders on quality-related institutional processes.
- d) Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles.
- e) The reliability and standardization of evaluation procedures;
- f) Development and maintenance of institutional database through MIS for the purpose of maintaining and enhancing the overall institutional quality.
- g) Acting as a nodal agency of the Institution for integrating quality-related activities, adoption and dissemination of best practices.
- h) Development of high order research and networking with other reputed national/international institutions for mutual benefit.

## **Functions**

### **Various functions expected of the IQAC are:**

- a) Expansion and submission of quality benchmarks/parameters for various academic and administrative activities of the institution;
- b) Enhance the progress of the formation of a learner-centric atmosphere helpful to quality education and faculty maturation to attain the necessary knowledge and technology for participatory teaching and learning process;
- c) Collection of innovative inputs from students, parents and other stakeholders on excellence-associated institutional processes;
- d) Certification of the various programmes / activities from competent authorities.
- e) Performing as a nodal organization of the Institution for coordinating, adoption and propagation of best practices for getting desired output.
- f) Expansion and continuation of institutional database through MIS for the institutional quality enhancement.
- g) Periodical conduct of Academic and Administrative Audit and its follow-up.
- h) Preparation and submission of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC.

## **Benefits**

### **IQAC will facilitate / contribute**

- a) Ensure quality in institutional activity and commitment towards excellence;
- b) Ensure internalization of quality circle as a culture;
- c) Ensure certain development and harmonization in the minds of all stakeholders of the institution and institutionalize best practices;

- d) Ensure standard procedures for activities to get better institutional performance;
- e) To Act as a core organization for excellence in HEIs;
- f) Create a mechanisms for certification
- g) Ensure clarity and focus in institutional functioning towards quality enhancement;

S.No	Name	Designation / Address	Role of IQAC
1.	Dr.M.Senthil Kumar	Principal	Chairperson
2.	Dr.R.Samson Ravindran	Executive Director, Mahendra Educational Institutions	Management Representative
3	Prof.R.Sugavanam	Academic Coordinator	Academic Expert
4	Dr. K.Jayajothi	HOD/PetroChemical	Director IQAC
5	Dr. R.Santhi	HOD/Physics	Secretary IQAC
6	Dr.S.Sathis Kumar	Professor/Mechanical	Secretary IQAC
7.	A.J.Sriganapathi	Controller of Examinations	Member from Administration
8.	Mr.B.Ramesh	Finance Officer/ Mahendra Educational Institutions	
9.	R.Manthiri	HOD/ ECE	Nominee from Local Society
11.	Dr.A.Narendra Kumar	Manager, Hexavarsity	Nominee from Industry
12.	Mr.P.Thirunavukarasu	Sr.Manager , WIPRO Technologies, Chennai	
13.	A.Jagadeesan	HOD/ Mechanical	Member
14.	S.Sakthivel	HOD/Aeronautical	Member
15.	P.Kathirvel	HOD/Civil	Member

## 6 – Programmes

S.No.	Degree	Branch	Year of starting	Intake	Duration	Accreditation Status
1.	B.E	Aeronautical Engineering	2009	60	4 years	-
2.	B.E	Civil Engineering	2009	60	4 years	-
3.	B.E	Computer Science and Engineering	2010	120	4 years	-
4.	B.E	Mechanical Engineering	2009	120	4 years	-
5.	B.E	Petrochemical Engineering	2014	120	4 years	-
6.	B.E	CAD/CAM	2012	24	2 years	-
7.	M.E	Construction Engineering and Management	2012	24	2 years	-
8.	M.E	Embedded System Technologies	2013	12	2 years	-

## 7. Faculty – Course / Branch wise list

S.No .	AICTE-ID	Name of the Faculty		Designation	Department
		Last Name	First Name		
DEPARTMENT OF AERONAUTICAL ENGINEERING					
1.	1-3261421877	Ramalingam	Padmanaban	Asst Professor	Aeronautical
2.	1-3266839051	Venkatraman	Ranjithkumar	Asst Professor	Aeronautical
3.	1-3358885208	Nallappan	Manibharathi	Asst Professor	Aeronautical
4.	1-3542355251	Sella Perumal	Sakthivel	Asst Professor	Aeronautical
5.	1-4159202595	Vellingiri	Dhayanidhi	Asst Professor	Aeronautical
6.	1-7458650828	Ganapathy	Arumugam Jagadeesan Sri	Asst Professor	Aeronautical
7.	1-9451371245	Manijothi	Sethu	Asst Professor	Aeronautical
8.	1-10993958831	Muthulakshmi Kumarasamy	Kumarasamy	Asst Professor	Aeronautical
9.	1-11045579051	Karthick Bala Murugan C V	Christopher	Asst Professor	Aeronautical

S.N o.	AICTE-ID	Name of the Faculty		Designation	Department
		Last Name	First Name		
DEPARTMENT OF CIVIL ENGINEERING					
1.	1-3261190867	Singaravelan	Karthikraja	Asst Professor	Civil
2.	1-3262049748	Dharmalingam	Ramesh	Asst Professor	Civil
3.	1-3288029250	Suthandradevi	Selvasekaran	Asst Professor	Civil
4.	1-3310424467	Kavimani	Alagumani	Asst Professor	Civil
5.	1-3360013033	Ramachandran	Akhil	Asst Professor	Civil
6.	1-3360013135	Rathinavel	Murali	Asst Professor	Civil
7.	1-3360013406	Lawrence	Lieonal	Asst Professor	Civil
8.	1-3360058768	Ganapathi	Thirupathi	Asst Professor	Civil
9.	1-3360100717	Chandran	Davidkumar	Asst Professor	Civil
10.	1-3360100808	Palanisamy	Kirubananthan	Asst Professor	Civil
11.	1-3633545495	Palanisamy	Prabhu	Asst Professor	Civil
12.	1-9320433661	Manikandan	Saranya	Asst Professor	Civil
13.	1-458999933	Ponnusamy	Kathirvel	Asst Professor	Civil
14	1-729046747	Vinoth	Kandasamy	Asst Professor	Civil

S. No	AICTE-ID	Name of the Faculty		Designation	Department
		Last Name	First Name		
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING					
1.	1-4148599835	Kaveri	Thangadurai	Asst Professor	CSE
2.	1-3366322615	Sriranga Chetty	Karthikeyan	Asst Professor	CSE
3.	1-9452560368	Marimuthu	Venkatesan	Asst Professor	CSE
4.	1-3366456758	Thiyagarajan	Dhanabalan	Asst Professor	CSE
5.	1-3565351313	Narayanasamy V	Padmanabhan	Asst Professor	CSE
6.	1-3567355834	Govindasamy	Karthick	Asst Professor	CSE
7.	1-4190084054	Arumugam	Mohanasundaram	Asst Professor	CSE

S. No	AICTE-ID	Name of the Faculty		Designation	Department
		Last Name	First Name		
8.	1-4191668589	Ponnusamy	Vasanthakumar	Asst Professor	CSE
9.	1-3363593403	Muthusamy	Karthiprasad	Asst Professor	CSE
10	1-3363737972	Palaneappan Subramanian	Gopinath	Asst Professor	CSE
11.	1-3366794441	Manoharan	Dharika	Asst Professor	CSE
12.	1-9452560375	Jaganathan	Gowthama Raja Kumaran	Asst Professor	CSE
13.	1-10997370191	Soundarrajan C	Satheeshkumar S	Asst Professor	CSE
14.	1-10997370198	Subramaniam	S V Karthick	Asst Professor	CSE
15.	1-10993904864	Kandasany	Jagathishan	Asst Professor	CSE
16.	1-11001510041	Alvin	Esther Merlin	Asst Professor	CSE
17.	1-3363794576	Madhesh	Gowrisanker	Asst Professor	CSE

S.No .	AICTE-ID	Name of the Faculty		Designation	Department
		Last Name	First Name		
DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING					
1.	1-3281776371	Jayaraj	Rajavel	Professor	ECE
2.	1-4150728953	Sampath	Janani	Asst Professor	ECE
3.	1-724961792	Rajappan	Manthiri	Asst Professor	ECE

S.No .	AICTE-ID	Name of the Faculty		Designation	Department
		Last Name	First Name		
DEPARTMENT OF MECHANICAL ENGINEERING					
1.	1-3270783330	Senthilkumar	Mariappan	Principal/ Professor	Mechanical Engineering
2.	1-460999860	Arunachalam	Jagadeesan	Asst Professor	Mechanical Engineering
3.	1-461104338	Manickam	Babu	Asst Professor	Mechanical Engineering
4.	1-742438977	Vaiyapuri	Prabakaran	Asst Professor	Mechanical Engineering
5.	1-2181555143	Bala Krishnan	Sri Vijai	Asst Professor	Mechanical Engineering
6.	1-2181555382	Vignesh	Shankar	Asst Professor	Mechanical Engineering
7.	1-3266839060	Thangaraj	Rengasamy	Asst Professor	Mechanical Engineering
8.	1-3267757573	Rajendran	Rajavel	Asst Professor	Mechanical Engineering
9.	1-3268045899	Thangaraj	Murugesan	Asst Professor	Mechanical Engineering
10.	1-3268233651	Mahalingam	Ramamoorthi	Asst Professor	Mechanical Engineering
11.	1-3271502176	Rajamanikkam	Jeevananth	Asst Professor	Mechanical Engineering
12.	1-3272451150	Subramani	Karthik Kumar	Asst Professor	Mechanical Engineering
13.	1-3542630211	John Gurupatham	Sam Charles Devaprasad	Asst Professor	Mechanical Engineering
14.	1-3542651095	Selvaraj	Sadhishkumar	Asst Professor	Mechanical Engineering
15.	1-3547050853	Kumar	Venugopal	Asst Professor	Mechanical Engineering
16.	1-3557988033	Raja	Venkatesh	Asst Professor	Mechanical Engineering
17.	1-3567343323	Murali	Kiruba	Asst Professor	Mechanical Engineering
18.	1-3567626464	Selvarasu	Muthusamy	Asst Professor	Mechanical Engineering
19.	1-7440682522	Kasinathan	Arunkumar	Asst Professor	Mechanical Engineering

S.No .	AICTE-ID	Name of the Faculty		Designation	Department
		Last Name	First Name		
20.	1-7440682528	Sengottuvel	Dineshkumar	Asst Professor	Mechanical Engineering
21.	1-7441013304	Selvaraj	Tamilselvan	Asst Professor	Mechanical Engineering
22.	1-7441170246	Periyasamy	Jaiganesh	Asst Professor	Mechanical Engineering
23.	1-7441170432	Mariyappan	Manivannan	Asst Professor	Mechanical Engineering

S.No .	AICTE-ID	Name of the Faculty		Designation	Department
		Last Name	First Name		
PETROCHEMICAL ENGINEERING					
1.	1-7436511602	Kalimuthu	Jeyajothi	Professor & Head	Petrochemical Engineering
2.	1-4150927292	Palanisamy	Kathiravan	Asst Professor	Petrochemical Engineering
3.	1-3542624860	Ayyasamy	Senthilraja	Asst Professor	Petrochemical Engineering
4.	1-7436511608	Angamuthu	Anbu	Asst Professor	Petrochemical Engineering
5.	1-3574854634	Govindasamy	Sampathkumar G	Asst Professor	Petrochemical Engineering
6.	1-9320148511	Ravichandran	Pavithra	Asst Professor	Petrochemical Engineering
7.	1-9450403768	Sambandam	Balraj	Asst Professor	Petrochemical Engineering
8.	1-3363782722	Gnanasekaran	Ganeshraja	Asst Professor	Petrochemical Engineering
9.	1-4565179735	Ramasamy	Palanisamy	Asst Professor	Petrochemical Engineering
10.	1-10989261311	Umapathy	Vigneshwaran	Asst Professor	Petrochemical Engineering
11.	1-11001362921	Ravichandran	Jothibabu	Asst Professor	Petrochemical Engineering
12.	1-11068895451	Sivanupandian	Parabhakaran	Asst Professor	Petrochemical Engineering
13.	1-11068895461	Nagesh	Magesh	Asst Professor	Petrochemical Engineering
14.	1-11050492661	Srinivasan	Kirubakaran	Asst Professor	Petrochemical Engineering
15.	1-9324111021	Muthuvel	Vedhaprakash	Asst Professor	Petrochemical Engineering
16.	1-11001429814	Venuthopalan	Purushothaman	Asst Professor	Petrochemical Engineering
17.	1-9451047718	Ramalingam	Santhosh Kumar	Asst Professor	Petrochemical Engineering
18.	1-7438601325	Kumaravelu	Aarthi	Asst Professor	Petrochemical Engineering

S.No .	AICTE-ID	Name of the Faculty		Designation	Department
		Last Name	First Name		
DEPARTMENT OF SCIENCE AND HUMANITIES					
1.	1-3260507327	Francis	Prema	Asst. Professor	English
2.	1-3363696778	Thangarasu	Jayanthi	Asst. Professor	English
3.	1-3363603405	Chandrasekaran	Abirami	Asst. Professor	English
4.	1-3363753930	Subramaniyan	Kumaresan	Asst. Professor	English
5.	1-4222225844	Vedipaul	Venkateshwaran	Asst. Professor	English
6.	1-460744160	Nataraj	Shanmuga Priya	Asst. Professor	Mathematics
7.	1-728167194	Rathinavelu	Thenmozhi	Asst. Professor	Mathematics
8.	1-4148813424	Kannan	Rajesh	Asst. Professor	Mathematics
9.	1-3547373393	Krishnamoorthy	Mohana	Asst. Professor	Mathematics
10.	1-7458650835	Balaraman	Mohan	Asst. Professor	Mathematics
11.	1-2191361063	Sugavanam	Ramamoorthy	Professor	Physics
12.	1-2191361069	Santhi	Ramasami	Professor	Physics
13.	1-3548468008	Siva	Palanisamy	Asst Professor	Physics
14.	1-11001429842	Priyadharshini P	Ponnaiyan	Asst Professor	Physics
15.	1-11001429848	Hariharan M	Markkandan	Asst Professor	Physics



S.No .	AICTE-ID	Name of the Faculty		Designation	Department
		Last Name	First Name		
16.	1-3546046610	Ramasamy	Siddharthan	Asst Professor	Chemistry
17.	1-4223544288	Chinnusamy	Mekala	Asst Professor	Chemistry
18.	1-1505176093	Palanivel	Murugesan	Asst Professor	Chemistry
19.	1-3362897638	Periyasamy	Thiyagarajan	Asst Professor	Chemistry

## **8.PRINCIPAL PROFILE**



**Name of the College** : Mahendra Institute of Engineering and Technology  
**Name of the Department** : Mechanical Engineering  
**Name of the faculty member** : Dr.M. Senthil Kumar  
**Present Designation** : Professor/Principal  
**Residential Address** : 5/1313A, NSCB Street, Lakkiyampatty, Collectrate (PO), Dharmapuri – 636705, Tamilnadu  
**Contact Nos.** : Landline :-- Mobile 9080099219  
Email : principal@miet.asia  
**Date of Birth and Age** : 06.071974 & 47  
**Date of joining the present post** : 06.06.2016 / Professor

### **I. Particulars of Educational Qualification: (only completed)**

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B.E.,	Mechanical Engineeirng	1998	Maharaja Engineering College	Bharathiar University	6.2	Second
PG	M.E.,	Thermal Engineering	2000	Annamalai University	Annamalai University	6.3	First
Ph.D.	Ph.D.	Material Science and Engineering	2011	NITT	NITT	Y	First and Degree Awarded

**II. Title of Ph.D. Thesis \*** : Study on Tribological Behaviour of Thermal Sprayed Ceramic and Carbide Coatings for Power Plant and Automobile Components

**III. Faculty in which Ph.D. was awarded** : Faculty of Mechanical Engineering



#### IV. Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience	
				Years	Months
Jayam College of Engineering and Technology	Assistant Professor	18.12.2000	30.10.2011	9	11
Ponnaiyh Ramajayam College of Engineering and Technology	Professor	22.11.2011	30.08.2014	2	9
sri shanmugha college of engineering and technology	Professor	04.09.2014	04.04.2016	1	6
Mahendra Institute of Engineering and Technology	Professor	06.06.2016	Till Now	5	10
Total				20	00

#### •Courses taught at

- Under Graduate - Heat and Mass Transfer , Principles of Management Professional Elective – IV
- Post Graduate – Research Methodology and IPR , Finite Element Methods in Mechanical Design

#### • Research guidance (Number of Students)

- No. of papers published in National/ International Journals/ Conferences - 14
- Master (Completed/Ongoing) - 28
- Ph.D. (Completed/Ongoing) – 03
- Technology Transfer - CIPET-Madurai, PRIST University Thanjavur

#### 9. Admission Procedure:

Admission Quota : Engineering & Technology

Entrance Test/ Admission Criteria : No Entrance Test in Tamil Nadu.

Admission based on the marks obtained in +2 Examinations and as per the guidelines of AICTE APH 2022-23 and State Government guidance.

Fees in rupees : Non Accredited Courses Rs. 50,000/-

Number of Fee Waivers offered : Nil

Admission Calendar : May to June

PIO Quota : YES

## 10. Information of Infrastructure and Other Resources Available

### 10.1 Infrastructure Details

S.No.	Description	Availability
1.	Classrooms of size of 66 sq.m.	Available
2.	Tutorial rooms with Capacity of 60 students	Available
3.	Drawing Halls with Capacity of 180 students	Available
4.	Laboratories	Available
5.	Computing Centres with Capacity of >100 Systems	Available
6.	Barrier Free Built Environment for disabled and elderly persons	Available
7.	Fire and Safety Certificate	Available
8.	Well Equipped Separate Hostel Facilities for Gents & Ladies	Available

### 10.2 Library

S.No.	Programme	Number of Titles	Number of Volumes	Number of Journal
1.	B.E/B.Tech	7594	33857	60
2.	M.E/M.Tech	725	1385	36
Total		8319	35242	96

**E-Library facilities** - Digital Library with sufficient number of systems with e - books and e - Journals available in Library

#### Details of online National / International Journal Subscribed

S.No	Name of the Journal	Quantity
1.	<b>DELNET Developing Library Network</b> Engineering and Technology	860
2.	<b>IEEE All Society Periodicals Package (ASPP)</b>	192

Multimedia PCs in Digital Library: 10

- ❖ Library is fully computerized and automated using **Bloom Technologies LMS Software** with DDC coding, Magnetic Scanner, Bar Coding facilities enables the user for faster accessing the Library.
- ❖ OPAC (Online Public Access Catalogue) facility makes book searches easier with various options such as Title, Author, Keyword(s) and Subject(s) etc...
- ❖ A modern Digital Library with a high-speed internet access at the speed of 155 Mbps.
- ❖ Library is having LAN facility. By using this library software can be accessed by the users from the server.
- ❖ Reprographic facilities such as Photocopier, Printer, Scanner and CD Writers.

## National Digital Library (NDL) subscription details:-

Central Library has membership with NDLI - National Digital Library of India, it provides different types of digital contents including books, articles, videos, audios, thesis and other educational materials relevant for users from varying educational levels and capabilities

❖ **Note:** Club registration certificate attached



This is to certify that "**Mahendra Institute of Engineering and Technology**" is registered as a NDLI Club under the National Digital Library of India.

**Registration Number:**

INTNNC52RVVPT9V

**Date Of Registration:** 19/04/2021

**Valid Upto:** 19/04/2022

पार्थप्रतिम दास

**Dr. Partha Pratim Das**

Joint Principal Investigator  
National Digital Library of India Project  
Indian Institute of Technology  
Kharagpur

NDLI CLUB PARTNER



National  
Digital Library  
of India

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### 10.3 Laboratory and Workshop

Name of the Laboratory	Major Equipments
<b>AERONAUTICAL ENGINEERING</b>	
Strength of materials and fluid mechanics & machinery Laboratory	Universal Tensile Testing machine with double 1 shear attachment -“40 Ton Torsion Testing Machine (60 NM Capacity) Impact Testing Machine (300 J Capacity) Brinell Hardness Testing Machine Rockwell Hardness Testing Machine Spring Testing Machine for tensile and compressive loads (2500 N) Metallurgical Microscopes Muffle Furnace (800 C) Orifice meter setup Venturi meter setup Rotameter setup Pipe Flow analysis setup Centrifugal pump/submersible pump setup Reciprocating pump setup Gear pump setup Pelton wheel setup Francis turbine setup Kaplan turbine setup
Thermodynamics Laboratory	4 stroke twin cylinder diesel engine Cut section model of 4 stroke diesel engine and cut section model of 2 stroke petrol engine Parallel and counter flow heat exchanger test rig Bomb Calorimeter Vapour compression refrigeration test rig Vapour compression air -conditioning test rig Conductive heat transfer set up Composite wall
Aerodynamics Laboratory	Subsonic Wind tunnel Models(aerofoil, rough and smooth cylinder , flat plate) Angle of incidence changing mechanism Multi tube Manometer Pitot-Static Tubes Cylinder models (Rough and Smooth) Wind Tunnel balances (3 or 6 components) Smoke Generator Water flow channel
Computer Aided Machine Drawing	Computers with necessary accessories Assembly drawings using any 2D /3D CAD Software Printer
Aircraft Structures Laboratory	100 kN Universal Testing Machine Beams with weight hangers and dial gauges Column set up with dial gauges

	Photo elasticity set up Vibration set up with accessories Wagner beam Unsymmetrical bending set up Set up for combined bending and torsion
Propulsion Laboratory	Jet engine Piston engine Jet facility with compressor and storage tank Multitube manometer Wind tunnel 0-5 bar pressure transducer with pressure Indicator DSA pressure scanner Ramjet facility Conical flame holder model Hemispherical flame holder model Water flow channel Compressor blade set Schlieren or Shadowgraph set up Convergent nozzle Convergent divergent nozzle Thruster with load cells
Aero Engine And Airframe Laboratory	Aircraft Piston engines Set of basic tools for dismantling and assembly NDT equipment Micrometers, depth gauges, vernier calipers Valve timing disc Shear cutter pedestal type Drilling Machine Bench Vices Radius Bend bars Pipe Flaring Tools Welding Machine Glass fibre, epoxy resin Strain gauges and strain indicator
Computer Aided Simulation Laboratory	Internal server (or) Work station Computers Modelling packages (i) CATIA (ii) ANSYS (iii) Pro E (iv) NASTRAN UPS & Printer
Aircraft Systems Laboratory	Serviceable aircraft with all above systems Hydraulic Jacks (Screw Jack) Trestle adjustable Spirit Level Levelling Boards Cable Tensiometer Adjustable Spirit Level Plumb Bob
Flight Integration Systems And Control Laboratory	Microprocessor 8085 Kit Adder/Subtractor Binary bits Kit Encoder Kit Decoder Kit Multiplexer Kit Demultiplexer Kit computers

	Regulated power supply Standard Mathematical analysis software
<b>CIVIL ENGINEERING</b>	
Surveying Laboratory	Total station, Theodolite, Dumpy level, Prismatic compass, Surveyor Compass, Survey grade or Hand held GPS, Chains
Construction Material Lab	Compression testing machine, Flexure testing machine, Pycnometer, Cylindrical metal measure of 3 litre capacity, Aggregate Crushing Value Apparatus, Aggregate Impact Value Apparatus, Length gauge, Thickness gauge, Slump cone apparatus, Compaction factor apparatus, Concrete Cubes, Concrete Cylinders, Beam Mould, Concrete mixing machine, Shallow flat bottom dish
Strength Of Materials Laboratory	UTM of minimum 400 KN, Torsion testing machine for steel rods, Izod impact testing machine, Hardness testing machine Rockwell and Brinnel, Beam deflection test apparatus Extensometer, Compressometer, Dial gauges, Le Chateliers apparatus, Vicats apparatus, Mortar cube moulds
Water And Waste Water Analysis Laboratory	pH meter, Nephelometer, Conductivity meter, UV and Visible Spectrophotometer, Jar test apparatus, DO meter, BOD incubator, COD digester (with 6 heating mantle), Imhoff cone, Sterilization chamber, Water bath, Hot air oven, Bacteriological incubator
Soil Mechanics Laboratory	Sieves, Hydrometer, Liquid and plastic limit apparatus, Shrinkage limit apparatus, Proctor compaction apparatus, UTM of minimum of 20KN capacity, Direct shear apparatus, Thermometer, Sand replacement method accessories and core cutter method accessories, Triaxial shear apparatus, Three gang consolidation test device
Highway Engineering Laboratory	Concrete cube moulds, Concrete cylinder moulds, Concrete Prism moulds, Sieves, Concrete Mixer, Slump cone, Flow table, Vibrator, Trowels and planers, UTM - 400 kN capacity, Vee Bee Consistometer, CBR Apparatus, Aggregate impact testing machine, Los - Angeles abrasion testing machine, Marshall Stability Apparatus
Hydraulic Laboratory	Rotometer, Venturimeter and Orifice meter, Bernoulli's Experiment, Flow through Orifice, Centrifugal pumps, Gear pump, Submersible pump, Reciprocating pump, Pelton wheel turbine, Francis turbine, determination of Metacentric height of floating bodies, friction factor in pipes
<b>B.E. – MECHANICAL ENGINEERING</b>	
<b>Name of the Laboratory</b>	<b>Major Equipments</b>
Engineering Practices Laboratory	Pipe Vice, Die Holder with Die set, Tri Square, Hand Saw, Carpentry bench vise, Firmen Chisel, Mortise Chisel, Iron Jack, Mallet, Bench hold Fastens, Wood Cutting Machine

	<p> Arc welding unit,  Gas welding unit,  Lathe Machines,  Drilling Machines,  Centrifugal pump,  Air-conditioner unit,  Steel rule,  Bend snips,  Straight snips,  Scriber,  Divider,  Prick Punches,  Centre punches,  Ball pean hammer,  Riverting hammer,  Anvil,  Swage block,  Cope and Drag Box,  Pattern,  Solid pattern,  Split pattern,  Runner,  Riser,  Sand Reamer,  Trowel. </p>
Manufacturing Technology Laboratory	<p> Centre Lathes,  Horizontal Milling Machine,  Vertical Milling Machine,  Shaper,  Arc welding transformer with cables and holders,  Oxygen and acetylene gas cylinders,  blow pipe and other welding outfit,  Moulding table,  Moulding equipments,  Sheet metal forming tools and equipments,  Turret and Capstan Lathes,  Horizontal Milling Machine,  Vertical Milling Machine,  Surface Grinding Machine,  Cylindrical Grinding Machine,  Radial Drilling Machine,  lathe Tool Dynamometer,  Milling Tool Dynamometer,  Gear Hobbling Machine,  Tool Makers Microscope,  CNC Lathe,  CNC milling machine,  Gear Shaper machine,  Center less grinding machine,  Tool and cutter grinder. </p>
Strength of Materials Laboratory	<p> Universal Tensile Testing machine with double shear attachment –40 Ton Capacity,  Torsion Testing Machine (60 NM Capacity),  Impact Testing Machine (300 J Capacity),  Brinell Hardness Testing Machine, </p>

	Rockwell Hardness Testing Machine, Spring Testing Machine for tensile and compressive loads (2500 N), Metallurgical Microscopes, Muffle Furnace (800 C).
Fluid Mechanics and Machinery Laboratory	Orifice meter setup, Venturi meter setup, Rotameter setup, Pipe Flow analysis setup, Centrifugal pump/submersible pump setup, Reciprocating pump setup Gear pump setup, Pelton wheel setup, Francis turbine setup, Kaplan turbine setup
Kinematics and Dynamics Laboratory	Cam follower setup, Motorised gyroscope, Governor apparatus - Watt, Porter, Proell and Hartnell governors, Whirling of shaft apparatus, Dynamic balancing machine, Two rotor vibration setup, Spring mass vibration system, Torsional Vibration of single rotor system setup, Gear Models, Kinematic Models to study various mechanisms, Turn table apparatus, Transverse vibration setup of cantilever
Thermal Engineering Laboratory	I.C Engine – 2 stroke and 4 stroke model, Apparatus for Flash and Fire Point, 4-stroke Diesel Engine with mechanical loading, 4-stroke Diesel Engine with hydraulic loading, 4-stroke Diesel Engine with electrical loading, Multi-cylinder Petrol Engine, Single cylinder Petrol Engine, Data Acquisition system, Steam Boiler with turbine setup, Guarded plate apparatus, Lagged pipe apparatus, Natural convection-vertical cylinder Apparatus, Forced convection inside tube apparatus, Composite wall apparatus, Thermal conductivity of insulating powder apparatus, Pin-fin apparatus, Stefan-Boltzmann apparatus, Emissivity measurement apparatus, Parallel/counter flow heat exchanger apparatus, Single/two stage reciprocating air compressor, Refrigeration test rig, Air-conditioning test rig.
Metrology and Measurements Laboratory	Micrometer, Vernier Caliper, Vernier Height Gauge, Vernier depth Gauge, Slip Gauge Set, Gear Tooth Vernier,



	Sine Bar, Floating Carriage Micrometer, Profile Projector / Tool Makers Microscope, Parallel / counter flow heat exchanger apparatus, Mechanical / Electrical / Pneumatic Comparator, Autocollimator, Temperature Measuring Setup, Force Measuring Setup, Torque Measuring Setup, Coordinate measuring machine, Surface finish measuring equipment, Bore gauge, Telescope gauge.
Computer Aided Machine Drawing	Computers, Assembly drawings 2D /3D CAD Software AUTOCAD, Printer
CAD / CAM Laboratory	Computer Server, Computer systems networked to the server, A3 size plotter, Laser Printer, CNC Lathe, CNC milling machine, High end integrated modeling and manufacturing CAD / CAM software CATIA, CAM Software for machining centre and turning centre, Licensed operating system, Computer Aided Process Planning (CAPP) Supports.
Simulation and Analysis Laboratory	Computer Work Station, Color Desk Jet Printer, Multibody Dynamic Software ANSYS for Mechanism simulation and analysis, MATLAB Software.
Mechatronics Laboratory	Basic Pneumatic Trainer Kit with manual and electrical controls/ PLC Control each, Basic Hydraulic Trainer Kit, Hydraulics and Pneumatics Systems, Simulation Software, 8051 - Microcontroller kit with stepper motor and drive circuit sets, Image processing system with hardware & software.

### Petrochemical Engineering

Name of the Laboratory	Major Equipments
Fluids and Solid Operations Laboratory	Packed column, Sieve shaker, Leaf filter, Plate and Frame Filter Press, Sedimentation Jar, Jaw Crusher, Ball Mill, Cyclone Separator, Roll Crusher, Elutriator, Drop Weight Crusher.
Heat Transfer Laboratory	Double Pipe Heat Exchanger, Bare and Finned Tube Heat Exchanger, Open Pan Evaporator, Single effect evaporator or Multiple effect evaporator, Boiler, Packed Bed, Vertical Condenser or Horizontal Condenser, Helical Coil, Agitated Vessel, Jacketed vessel.
Petrochemical Analysis Laboratory	Bomb calorimeter, ORSAT apparatus, UV- Visible spectrophotometer, Dynamic Viscometer, KF-Titrator, Laminar flow chamber, BOD Incubator and shaker, Bacteriological chamber.
Mass Transfer Laboratory	Vacuum Dryer, Tray dryer, Rotary dryer, Ion exchange column, Rotating disc contactor, Cooling tower.
Petroleum Testing Laboratory	Muffle furnace, Junkers Gas Calorimeter / Bomb Calorimeter, API

	Distillation Apparatus, Softening point apparatus, Redwood / Saybolt / Engler viscometer.
Reaction Engineering and Process Control Laboratory	Batch reactor, Plug flow reactor, CSTR, Sono-chemical reactor, Photochemical reactor.
<b>COMPUTER SCIENCE</b>	
<b>Name of the Laboratory</b>	<b>Major Equipments</b>
Problem Solving and Python Programming Laboratory	Python 3.8 or Equivalent
Programming in C Laboratory	Systems with Linux Operating System with gnu compiler
Data Structures Laboratory	Systems with Linux Operating System with gnu compiler
Object Oriented Programming Laboratory	Systems with either Netbeans or Eclipse
Database Management Systems Laboratory	Systems with MySql/Visual Studio/Server
Operating Systems Laboratory	Systems with Linux OS and GNU Computer
Networks Laboratory	C / C++ / Java / Python / Equivalent Compiler Network Simulator like NS2 / Glomosim / OPNET / Packet Tracer / Equivalent
Object Oriented Analysis And Design Laboratory	ArgoUML,StarUML, Visual Paradigm (or) Equivalent Eclipse IDE and Junit
Internet Programming Laboratory	Server (Web Server), Java/JSP/ISP Webserver/Apache Tomcat / MySQL / Dreamweaver or Equivalent, WAMP/XAMP
Mobile Application Development Laboratory	C / C++ / Java or equivalent compiler GnuPG, Snort, N-Stalker or Equivalent
Security Laboratory	C / C++ / Java or equivalent compiler GnuPG, Snort, N-Stalker or Equivalent
Cloud Computing Laboratory	C / C++ / Java or equivalent compiler GnuPG, Snort, N-Stalker or Equivalent

<b>M.E. – CEM</b>	
<b>Name of the Laboratory</b>	<b>Major Equipments</b>
Advanced Construction Engineering And Computing Techniques	Concrete Mixer, Flow ability test -> U-box, V-funnel, C-box, Flowability, slump cone, UTM-Displacement control machine, Ndt equipments - upv, rebound hammer, core cutting machine, Permeability tester, Oven
<b>M.E. – CAD / CAM</b>	
<b>Name of the Laboratory</b>	<b>Major Equipments</b>
Computer Aided Design Laboratory	Computer Server, Computer systems networked to the server, Laser Printer, High end integrated modeling and manufacturing CAD software CATIA.
Computer Aided Manufacturing Laboratory	Computers, CAM Software for 3 axis machining, CNC Production type turning, CNC Machining Centre, Video Measuring System,

	Coordinate Measuring Machine, Surface Roughness tester, Programmable Logic Controller with ladder logic, programming software, RDBMS Package with relevant modules like Inventory Control and MRP, 5 -axis Robot, 3D Printer.
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Name of the Laboratory	Major Equipments
<b>M.E-EMBEDDED SYSTEM TECHNOLOGIES</b>	
Embedded System Laboratory – I	8051 Microcontrollers, PIC Microcontrollers, RISC 8 bit microcontroller, RISC microcontroller Compatible DAC interface Unit, Stepper Motors and Interface, Desktop computer.
Embedded Programming Laboratory – I	Desktop computer, Embedded Java Compilers, Arduino Boards, FPGA Processor Boards
Embedded System Laboratory - II	ARM processor, Raspberry Pi Boards with peripherals, Arduino, Boards with peripherals. Personal Computers, Simulation Tools as Labview, RTOS with compiler.

#### 10.4 Computing Facilities

S.No.	Description	Quantity
1.	Internet Bandwidth	48Mbps
2.	Number and Configuration of system	380
3.	Total number of system connected by LAN	380
4.	Total number of system connected by WAN	380
5.	Major software package available	System Software: 1. WINDOWS XP PROFESSIONAL 2. WINDOWS 2008 SERVER 3. LINUX 4. WINDOWS 7 Application Software: 1. ORACLE 2. VISUAL STUDIO .NET 3. MS OFFICE 4. MAT LAB 5. JAVA ENTERPRISE 6. C LANGUAGE AND C PLUS PLUS 7. SOLID EDGE 8. ANSYS 9. AUTO CAD 10. NETSIM 11. MODEL SIM GHDL FREEDHL 12. LAB VIEW 13. FRONT PAGE PUBLISHER 14. MATHEMATICA MAXIMA OPEN SOURCE

		15. MASM NASM FASM OPEN SOURCE
6.	Special purpose facilities available	Digital / e-library
7.	Facilities for conduct of classes / courses in online mode (Theory & Practical)	Available – online mode theory and practical were conducted during the academic year 2020-21 for all the classes / year
8.	Innovation cell	Available
9.	Social Media cell	Available headed by Mr.Kishore Tariq,

### 10.5 List of facilities available

S.No.	Description	Quantity
1.	Games and Sports facilities	Available
2.	Extra Curricular Activities	Available
3.	Soft skill Development facilities	Available

### 10.6 - Teaching Learning Process

The whole education system depends on the aims and objectives of the teaching & learning process. In the teaching-learning process, the teacher, the learner, the curriculum is organized in a systematic way to achieve the educational goals and objectives.

Each semester, a discussion with the Management, Academic Council and HODs for preparing Academic Calendar. It consists with the details of total number of working days and holidays, schedule of internal tests, schedule of semester exams, last working day, reopening date for the next semester, etc. These details are disseminated to all the faculty members for documentation and to the students for preparation.

HODs of every department allocate the responsibilities based upon the academic calendar to their faculty members to do the academic activities like timetable preparation, subject allocation, etc. Each and every faculty member has to prepare the preamble of their subject, objectives, fundamentals, outcomes, textbooks and references. The faculty members prepare the course file with details of lesson plan / teaching plan / session plan for implementing the methodology.

Students and faculty members have to give their feedback and suggestions to the class committee meeting and department meeting for improving the academic activities. This will be conveyed by the HODs to the Principal for taking necessary action.

For each semester the Controller of Examinations plans to conduct the internal assessment tests and Semester examinations properly with the schedule that he received from the University. Based on Anna University guidelines minor deviation are included then and there.

The plan also includes to organize conferences, symposia, guest lectures, webinars, workshops, alumni meeting, and bring out many innovations with proper manner.

## 11. Placement details of students in the last 3 years

S.No .	Degree	Name of the Course	Year started	2019-20		2020-21		2021-22	
				Eligible	Placed	Eligible	Placed	Eligible	Placed
Under Graduate Programmes									
1.	B.E	Computer Science Engineering	2011	0	0	0	0	0	0
2.	B.E	Mechanical Engineering	2009	159	136	105	84	82	46
3.	B.E	Civil Engineering	2009	65	54	33	27	0	0
4.	B.E	Aeronautical Engineering	2009	40	34	53	45	19	10
5.	B.E	Petro-Chemical Engineering	2014	66	54	101	84	72	38

## 12. List of Research Projects/ Consultancy Works

S.No.	Funding Agency	No.of Research Projects	Sanctioned Amount(INR)
1.	AICTE	10	6766440
2.	DST	01	5187165
3.	UGC	03	558000
4.	CSIR	02	50000
5.	SERB	01	75000
6.	TNSCST	02	15000

## MoUs with Industries

S.No.	Organization in which MoU signed	Year of Signing MoU
1.	Virtusa Consulting Service Private Limited ,	14.07.2021
2.	Multi Media University , Malacca, Malaysia (MMU)	31.12.2019
3.	Indian Rubber Manufacturing and Research Association (IRMRA). Government of India ,Mumbai	06.12.2019
4.	General Electrical and Electronic Solutions	10.08.2019
5.	Siemens centre of Excellence in Manufacturing National Institute of Technology Trichy	10.04.2019
6.	ICT Academy, Chennai,Tamilnadu	21.12.2018
7.	Barola Technologies ,Chennai	12.09.2017
8.	NMVST Group of Companies, Coimbatore	07.09.2017
9.	DMW CNC Centre ,Erode	07.09.2017
10.	Coimbatore Industrial Infrastructure Association (Co India), Coimbatore	20.09.2016
11.	Sheffield Hallam University, United Kingdom	02.09.2016
12.	Irrigation Management Training Institute, Trichy	26.07.2016

13.	MSME, New Delhi	03.06.2016
14.	Arvin Varsity, Chennai	02.11.2015
15.	Livewire,Salem	26.08.2015
16.	Dimensions Structure,Coimbatore	28.05.2015
17.	RRConsultancy & Contractors,Namakkal	22.05.2015
18.	Mangala Smart Energy Systems ,Tirupur	15.05.2015
19.	KCP Solar Industry, Salem	27.04.2015
20.	CADD Centre, Salem	16.04.2015
21.	Global CADD Tech,Salem	14.04.2015
22.	MSME, New Delhi	11.04.2015
23.	Bypro Technology, Chennai	11.04.2015
24.	Mecton Training & Technical Systems, Chennai	30.03.2015
25.	Infosys Campus Connect, Bangalore	25.02.2015
26.	United Infotech, Salem	22.01.2015
27.	Codissia, Coimbatore	25.08.2014
28.	Danfoss, Denmark	05.08.2014
29.	Haritha tech, Chennai	11.03.2014
30.	J.K. Aviation and Technologies ,Tiruppur	23.09.2013
31.	L & T , Chennai	21.08.2012
32.	NI, Bangalore	13.02.2012
33.	Yokagawa , Bangalore,India	09.02.2012

### 13. LoA and subsequent EoA till the current Academic Year:

## All India Council for Technical Education (A Statutory body under Ministry of Education, Govt. of India)

Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: [www.aicte-india.org](http://www.aicte-india.org)



### APPROVAL PROCESS 2021-22

#### Extension of Approval (EoA)

F.No. Southern/1-9323115104/2021/EOA

Date: 25-Jun-2021

To,

The Principal Secretary  
(Higher Education) Govt. of Tamil Nadu,  
N. K. M. Bld. 6th Floor Secretariat,  
Chennai-600009

#### Sub: Extension of Approval for the Academic Year 2021-22

Ref: Application of the Institution for Extension of Approval for the Academic Year 2021-22

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations, 2021 Notified on 4th February, 2020 and amended on 24th February 2021 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to:

Permanent Id	1-9870741	Application Id	1-9323115104
Name of the Institution /University	MAHENDRA INSTITUTE OF ENGINEERING AND TECHNOLOGY	Name of the Society/Trust	MAHENDRA EDUCATIONAL TRUST
Institution /University Address	MAHENDIRAPURI, MALLASAMUDRAM WEST, VADUGAPLAYAM POST, TIRUCHENGODE TALUK, NAMAKKAL DISTRICT, NAMAKKAL, NAMAKKAL, Tamil Nadu, 637503	Society/Trust Address	KALIPATTI, MALLASAMUDRAM, NAMAKKAL, Tamil Nadu, 637501
Institution /University Type	Private-Self Financing	Region	Southern

#### To conduct following Programs / Courses with the Intake indicated below for the Academic Year 2021-22

Program	Level	Course	Affiliating Body (University /Body)	Intake Approved for 2020-21	Intake Approved for 2021-22	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	PETROCHEMICAL ENGINEERING	Anna University, Chennai	120	120	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	CIVIL ENGINEERING	Anna University, Chennai	60	60	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	MECHANICAL ENGINEERING	Anna University, Chennai	120	120	NA	NA



ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	AERONAUTICAL ENGINEERING	Anna University, Chennai	60	60	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	Anna University, Chennai	120	120	NA	NA
ENGINEERING AND TECHNOLOGY	POST GRADUATE	CAD/CAM	Anna University, Chennai	24	24	NA	NA
ENGINEERING AND TECHNOLOGY	POST GRADUATE	CONSTRUCTION ENGINEERING AND MANAGEMENT	Anna University, Chennai	24	24	NA	NA
ENGINEERING AND TECHNOLOGY	POST GRADUATE	EMBEDDED SYSTEMS TECHNOLOGIES	Anna University, Chennai	12	12	NA	NA

**It is mandatory to comply with all the essential requirements as given in APH 2021-22 (Appendix 6)**

### **Important Instructions**

1. The State Government/ UT/ Directorate of Technical Education/ Directorate of Medical Education shall ensure that 10% of reservation for Economically Weaker Section (EWS) as per the reservation policy for admission, operational from the Academic year 2019-20 is implemented without affecting the reservation percentages of SC/ ST/ OBC/ General. However, this would not be applicable in the case of Minority Institutions referred to the Clause (1) of Article 30 of Constitution of India. Such Institution shall be permitted to increase in annual permitted strength over a maximum period of two years.
2. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time now amalgamated as total intake shall have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2021-22 for the Total Approved Intake. Further, the Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall have to maintain the Faculty: Student ratio as specified in the Approval Process Handbook.
3. Strict compliance of Anti-Ragging Regulation, Establishment of Committee for SC/ ST, Establishment of Internal Complaint Committee (ICC), Establishment of Online Grievance Redressal Mechanism, Barrier Free Built Environment for disabled and elderly persons, Fire and Safety Certificate should be maintained as per the provisions made in Approval Process Handbook and AICTE Regulation notified from time to time.
4. In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

**Prof.Rajive Kumar**  
**Member Secretary, AICTE**

Copy \*\* to:



1. **The Director of Technical Education\*\***, Tamil Nadu
2. **The Registrar\*\***,  
Anna University, Chennai
3. **The Principal / Director**,  
MAHENDRA INSTITUTE OF ENGINEERING AND TECHNOLOGY  
Mahendrapuri, Mallasamudram West, Vadugapalayam Post, Tiruchengode Taluk, Namakkal District,  
Namakkal, Namakkal,  
Tamil Nadu, 637503
4. **The Secretary / Chairman**,  
KALIPATTI  
MALLASAMUDRAM, NAMAKKAL  
Tamil Nadu, 637501
5. **The Regional Officer**,  
All India Council for Technical Education  
Shastri Bhawan 26, Haddows Road  
Chennai - 600 006, Tamil Nadu
6. **Guard File(AICTE)**

Note: Validity of the Course details may be verified at <http://www.aicte-india.org/>.

\*\* Individual Approval letter copy will not be communicated through Post/Email. However, consolidated list of Approved Institutions(bulk) will be shared through official Email Address to the concerned Authorities mentioned above.

*This is a computer generated Statement. No signature Required*

## 14. Best Practices adopted, if any

### PRACTICE –I:

#### Digital Learning – Innovation in Teaching – Learning Methodology

#### OBJECTIVES OF THE PRACTICE:

- To provide education with the use of latest Technology.
- To improve students' performance in the academic level.
- To deliver students with a learning experience in instructional technology.
- To encourage higher-level thinking and creativity through Information and Communication Technology.
- To facilitate the first year onwards students adopt in watching lecture videos for improving their listening skill and also speaking skill.
- To remove the hesitation and low self esteem from students' mind on transferring in depth knowledge in the subjects and other activities.

#### THE CONTEXT:

Faculty members explore to find the new teaching methodology to provide theory knowledge with the proper schedule. From this environment, the new method can provide many new opportunities and to gain new experiences. It helps them to find and share their knowledge. Nevertheless there is a lack of interaction

between students and teachers in online classes, the Google class room at least tries to provide many opportunities for communicating and also participate in other online courses.

### **THE PRACTICE:**

The lecture will be supplemented with the power point or video presentation by the subject teachers. Faculty members provide relevant articles related to their subject and current affairs to improve their knowledge.

The source of link will be sent to the students by e mail or whatsapp group. The outside classroom learning process is based on a regular activity which will be encouraged the students' capability and access it clearly. For online courses, there will be a lecture video which will be taken by well - known professors. After completing the course, exam will be conducted and certificates given to the high scored person.

### **EVIDENCE OF SUCCESS:**

The peroidic examination system will help to track and trace the progress and the improvement of the students. If there is low improvement on their studies, a defined path will be applied to achieve the goal. The person who is performing well in online course will be appreciated and will be rewarded by the college.

### **RESOURCES NEEDED:**

The major resource is expected from the faculty members to have a good content, lively interaction and updated system with good internet connectivity. Students should have the proper internet connection to attend the session without any interruption.

### **PRACTICE –II:**

#### **TITLE OF THE PRACTICE: - Plastic Free Green Campus**

Plastic Free Campuses is a project. It is aimed to eliminate plastic pollution and its toxic impacts on people and environment

#### **OBJECTIVES OF THE PRACTICE:**

- To create Environmental awareness among stakeholders.
- To make Environmental perception as part in the daily life.
- To bring a change in attitude towards environmental protection and improvement.
- To make the campus plastic free, green and clean edifice complex.

### **THE CONTEXT:**

The world has realized the importance of environmental protection for the past few decades. We are the responsible citizen to sustain the with green environment leaving a legacy to Gen - Next.

Environmental deterioration has reached to such an alarming proportion that the only solution is a fundamental shift in attitude. This is where the role of students as the future citizens and the ambassadors of change come in handy. Our college wants to tap this potential among the students in a meaningful way.

### **THE PRACTICE:**

A green protocol is implemented in the campus. The Green protocol statement is fixed at all the vantage points. Plastic is banned in the campus and steel vessels, glasses, green leaves etc are used. Use of plastic water bottles is not completely banned but reduced to the maximum extent. Effective waste management

system is also implemented by collecting solid waste, bio waste and electronic waste separately for proper recycling.

### **EVIDENCE OF SUCCESS:**

Staff Members are encouraged to participate in the cleanliness drive in the college campus.

- To protect and conserve ecological systems and resources within the campus.
- To continuously improve our contribution to climate protection and adaptation to climate change and to the conservation of global resources.
- Generating mass awareness on cleanliness and hygiene amongst students and staff members by holding regular cleanliness drives.
- Events such as poster and slogan competitions, essay writing, spoken word poetry, speeches, skits are conducted periodically by the Swachh Bharat Club to create environmental awareness.
- There is heightened awareness in students, which is evident in their participation in a number of extension activities related to environment like Tree Plantation, Mass Cleaning activities under NSS, through Eco club and Swachh Bharat clubs mission campaign.

### **ISSUES AND CHALLENGES:**

Green campus is not far away to a college. Everyone has to implement the activities to come out the problem with eagerness. So implementation is the little bit of difficult in the beginning but awareness classes and activities were conducted through Eco and Swachh Bharat club to create more awareness among student community. The management inspires the mission with all necessary guidance, support and financial resources to sustain the achievement year after year with further innovation practices.