



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

M.I.E.T. ENGINEERING COLLEGE

GUNDUR, TRICHY-PUDUKKOTTAI ROAD,
620007

www.miet.edu

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

M.I.E.T. Engineering College was established by the Mohamed Institute of Education & Technology Society, Tiruchirappalli in the year 1998 with an objective to promote the cause of higher education. The College is affiliated to Anna University, Chennai and it is recognized as a Muslim Minority Institution.

Our Management extends its fullest support in building the institution as a centre of excellence with technically superior, ethically strong and competent engineers. The serene vibrant campus with aesthetic bliss in an exhilarating convenient location is easily accessible and well connected by road, rail and air. The eco-friendly ambience creates and bestows a healthy learning atmosphere. The multi-disciplinary institution is meticulously equips with exemplary modern laboratory, workshop facilities and state of art computer centre providing an excellent IT infrastructure. Good numbers of Doctorates, qualified, experienced, versatile and efficient faculty members mould the students diligently in academic, ethical and moral aspects. Active tutorial and advisory services are extended to the students to inculcate and harness managerial acumen, knowledge assimilation, and respect for nation and human values with uncompromised discipline.

A spacious digital library is an epitome of knowledge to imbibe the reading habit with vast collection of Books, Newspapers, National & International Journals, Magazines, and reference books, Encyclopedia, World of science, ASM hand books and course materials. E-learning through NPTEL video lectures by NIT and IIT Professors is available. Training and Placement Cell works meticulously to improve life skills and employability by unleashing the latent potential of the students to confront the global challenges.

The Research and Development Cell provides ample opportunity and scope for research with abundant resources. Various Club activities are conducted to encourage, motivate and inspire students from diverse culture to harness the talent through their perseverance. Excellent Play grounds, Indoor games and Gym facilities promote triumphant champions continuously in the field of sports. The College Hostel is a home away from home which provides all amenities for a comfortable and a happy stay. Industry-Institute interaction and real-time projects nurture and craft the budding engineers to bloom and flourish in the field with the prowess guidance in the campus.

Vision

To be a center of excellence in Technical Education through Technical, Ethical and Professional skills for meeting the diverse needs of the Society, in particular Muslim minority community and the Nation.

Mission

- To impart Quality Education, Training and Research in the fields of Engineering and Technology.
- To provide a conducive learning environment that enables the students to achieve professional and personal growth.
- To expose the contemporary issues of society, ethical practices and to create environmental awareness.
- To provide the required infrastructural facilities for developing the professional and innovative skills.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- The institute is sponsored by 36 years old society with philanthropic management.
- A team of committed and dedicated teaching faculty with 31 Ph.Ds.
- NBA accredited UG programs.
- ISO 9001:2015 certified Institution.
- Academic Process - Outcome Based Education with Choice Based Credit System for UG/PG programs.
- 62 Laboratories with State of the Art equipments and modern software tools.
- 27 acres of land area with adequate infrastructure.
- 256 Research papers and 10 patents published by the faculty members during the last five years.
- Students' projects focused on societal needs.
- Encouraging research activities with funding through seed money by the college management.
- Ragging free campus.
- ICT enabled class rooms, Wi-Fi enabled campus with modern laboratory facilities.
- Department of Mechanical Engineering is recognized as research department by Anna University since 2015.
- Conducive environment for Research.
- Student centric functioning with mentoring, counseling through teachers and effective academic monitoring.
- Functional associations with professional societies such as IETE, ISTE, SAE-India, CSI etc.
- As a part of community development, more than 3500 needy and underprivileged students are provided technical education with full or partial fee waiver.
- Representation of senior faculty members in various committees and boards of other institutions and universities of repute.
- Environmentally clean campus with more than 1000 well maintained green trees.
- Regular recipient of University Rank holders for various programs at university level.
- Rs.2,50,000 Grants received from Entrepreneurship Development Institute of India (EDII) towards entrepreneurship development activities and Rs.50000 from Tamil Nadu State Council for Science and Technology (TNSCST).
- 5 years student staff ratio is 1:12.
- The entire campus is under CCTV surveillance.
- Average teaching experience of faculty member is more than 10 years and more than 6 years in the same institute.
- Good number of publication by faculty members in reputed referred journals.

Institutional Weakness

- More departments need to become University recognized Research departments.
- More faculty members with Ph.D. qualification need to be recruited.
- Inadequate PG student admissions.
- Moderate Placement ratio.
- Core company placements are limited.
- Lack of Faculty Internship.
- Institute lacks in revenue generation through consultancy.

- Less number of students pursuing higher education.
- Involvement of Alumni at Institute level is moderate.
- Limited Industry – Institute interaction.
- More funded research activities need to be carried out.
- More publications, citations and patents are needed in high impact factor journals.

Institutional Opportunity

- To arrange more number of FDPs /STTPS/ National Level /International Level conferences.
- More departments need to become “Research Departments” recognized by affiliating University.
- Linking Curriculum with International MOOC courses.
- To arrange specialized training programs for the faculty members.
- Scope for interdisciplinary and sponsored projects.
- Strengthening of alumni association.
- Collaborative research with industries and R&D organizations.
- Consultancy and testing work with local industries.
- Promoting Student internship.
- Developing entrepreneur skills.
- Interface with domain companies for placement and internship.
- Application oriented Learning.
- To attract more funded projects for research.
- Make the institution as a preferred choice for students.
- Improving the ranking of the institution in terms of admission and placement on par with best in the country.

Institutional Challenge

- To face high competitive environment.
- To cope up with the fast change of technological transformations.
- To create more job opportunities for the students.
- To bring more funded research projects for research and development.
- To Strengthen Industry-Institute Interaction.
- More placements in core companies.
- Encouraging students for competitive examinations and higher studies.
- Networking and strengthening relationship with stakeholders.
- More focus on Industrial training for faculty and students.
- Promote the college in the areas of excellence, value and quality.
- Attracting well-qualified and passionate teachers to the teaching profession.
- Lack of motivation among the current generation towards engineering education and research.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The curricular aspects of M.I.E.T. Engineering College follows cent percent choice based credit system as

prescribed and governed by the affiliating Anna University, Chennai. The system has been evolved in the college, for planning and implementation of the curriculum in an effective manner. The teachers are always encouraged for the participation of assessment and evaluation process to develop their skills in the teaching subjects. The college conducts 126 value added/add on/NPTEL courses for the self-development and professional skill enhancement of the students in which 56% of the enrolled students participated and benefited. The curriculum has been incorporated with cross cutting issue of gender equality, human values, professional ethics and environment and sustainability in the core courses. The college has the continuous process of obtaining feedback system about the implementation of curriculum from various stakeholders such as students, teachers, alumni and industrialists to enrich the teaching and learning process. The feedback obtained is analyzed and recommendation of action to be taken is informed to the individuals concerned and the action taken report is uploaded in the institute website.

Teaching-learning and Evaluation

The average student enrollment percentage of our college during the last five years is above 60%. The college acts as a preferred choice not only in the district but also the entire south Tamil Nadu for Muslim minority students. Not only the minority students, students from all sections seeks admission in the college because of which the percentage of seats filled against reserved categories crosses 70%. It shows that the institution maintains a consistency in student strength and gives more weightage for reserved quota. Assessment of learning is a systematic process in any educational institution which evaluates the student's knowledge and skills. The advance learners and slow learners are identified based on assessment. The departments encourage with wide range of learning opportunities for former case and motivate with various teaching aids to improve their performance for the latter case. The institution maintains a good student teacher ratio for the earliest academic years. Students are insisted to develop and enhance the learning experience through the student centric methods such as experiential learning, participative learning and problem solving methods. The institution is equipped with modern ICT tools to improve an effective teaching learning process. The institution has a good and sound mentoring system to solve both academic and personal issues of the students and the ratio of student to mentor is 1:14. The institution has consistency in maintaining better percentage of full time teachers and excellent percentage of Ph.D., holders among the faculty of each department. The approximate average teaching experience of faculty members is above 10 years where as in the same institute it is about 6 years. The periodic internal assessment components are conducted to assess the student's performance regularly. The students' grievances with respect to external examinations are redressed through the centralized exam cell of the institution as per the university norms. Any discrepancies or issues in internal assessment are solved by the concerned faculty and Head of the Department. The institution consistently maintains above 80% of average pass percentage during the last five years.

Research, Innovations and Extension

During the report period, 30 faculty members have received 18 research projects (20 Non Government and 4 government funded) with a total grant of Rupees 95, 57,500 from agencies such as TNSCST - Tamil Nadu State Council for Science and Technology, Orbit Edutech Pvt Ltd, Netland Computers, K.G.Lakshmi pathi and CO, Cosmo gems, Sigma Pi Power Sources, Vintage Fresh, Omega Group of Industries, Karpaga Cotton Processing Mills, Electro Solar Solution Company, M.K TECH, ORBIT CONTROLS AND SERVICES, and SIGMA PI POWER SOURCES. During the report period 367 research articles were published, in approved journals like Scopus, UGC-approved, and Anna University etc. 80 books / book chapters and Conference Proceedings were also published. M.I.E.T. Engineering College has good infrastructure with advanced research

centers and computational facilities to carry out research and development activities and organized several workshops/seminars towards Industry-Academia innovative practices. Research Laboratories are equipped with advanced equipments, high performance computing and networking facilities to carry out experimentations. Impressive Research outcomes are achieved in the form of publications in the national/international conferences/journals having good impact factor as recommended by Anna University, number of Ph.Ds produced and research consultancies. MOUs with leading Industries are in force to accelerate industry driven research and other Industry Institute Interactions. Few applications for patents have already been filed. The institution encourages the promotion of community services through setting-up of various forums. In the past 5 years, a good number of extension and outreach programs were conducted through NSS, IPR cell, etc. All the Post graduate students are involved in internship training programmes being offered by various industries and research laboratories. The Research and Development Cell and Entrepreneurship Development Cell of our institution motivate the students and faculty members to explore their new ideas in the field of research and entrepreneurship. The institution have filed 10 patents and has 16 functional MOU's with reputed industries / foreign university.

Infrastructure and Learning Resources

The Management has established adequate infrastructure and learning resources in the campus to achieve its objective of excellent in technical education. The institute, since its inception in 1998, has never compromised with infrastructural facilities be it physical buildings, machinery, equipment, software, books and other learning resources. The college has a good academic ambience, spread in a sprawling campus of 26.54 acres, lush green environment having lots of trees and lawns conducive for learning atmosphere. The institute has 31 classrooms, 4 seminar halls and one mini conference hall with ICT Facilities. There are sophisticated IT facilities like 617 Computers, 29 Printers, 4 Legal System Software and 30 Legal Application Software along with Wi-Fi connectivity access points. The Library with an area of 725 Sq.m functions with a seating capacity of 200. The college library has reprographic service and other essential services. ICT learning resources are available in the college. The entire college campus is connected through optical fibre network which ensures reliable connections all the time. Internet Facility is available at all hostel rooms, library, placement blocks and all the laboratories within the campus and speed of the internet connectivity is 70 MBPS provided by BSNL (50 MBPS) & AIRTEL (20 MBPS).The institute has employed well-qualified and experienced physical directors, who train and supervise students actively participating in various sports and games activities and competitions. Physical Directors train the students in their chosen games in the time slot allocated to them.The institute has spent Rs.150.38 Lakhs / Year (Average) for the maintenance of infrastructure. Maintenance plays such an important role in the effectiveness of the institutions. The main purpose of regular maintenance is to ensure the maximum efficiency at all times. The housekeeping work of the college has been outsourced. An in house Civil Engineer, System Administrator and a technician are appointed for the purpose of Maintenance of the building, computers and equipment. An electrician is appointed to supervise the wellbeing of electrical fixtures and electrical connections in the college.

Student Support and Progression

The Institution gives the fullest support to the students by facilitating the mechanism like Scholarships, freeships, placement cell, guidance cell, anti-ragging committee, redressal committee, life skills, soft skills and communication skills. The college takes utmost care for arranging government scholarships like first graduate, Post Metric Scholarship Scheme, Minority Scholarship. As a result of this during the last five academic years the institute fetched scholarship amount of Rs 20,72,16,980 from government agencies which benefits 6,908

students. Since many students are from rural background with financial crises, the management gives fees concession through special scholarship based on marks to achieve their dreams come true. Over the last five academic years this special scholarship by the management accounts a sum of Rs 1,82,91,085 lends helping hand for 2,058 students to continue and complete their studies without any hindrance. The institution provides training to develop soft skills, life skills and communication skills through the experts from different domain. The exclusive syllabus has been designed for vedic mathematics, verbal reasoning, aptitude reasoning and technical training is given to the students. Our students are placed in a reputed company through placement cell and the placement percentage of the institute is 61.07 during the report period. Our trainings effectively support them and facilitate the flawless progression. The Institution encourages the student participation in social, cultural and sports activities. We provide value based education by giving and creating opportunities to inculcate the leadership quality and social responsibility. Sports and Cultural activities always mould and motivate them to become strong personality in the society. Our students won many award and reward in recognition of their talents from 210 programs in which they have participated since 2015. Alumni work with the Management, Principal, Faculty members and Students. It gives strong support and provides a great contribution in academic matters and student supports by exchanging the information, ideas, and their experiences. This meet enriches the emotional bondage among the students and extend the maximum help to the college in placements. They also contributed Rs 5,56,000 during the last five years as a token of gratitude to the alma matter.

Governance, Leadership and Management

The institution has an effective governance mechanism in line with the vision and mission of the institution by practicing decentralization and participative management involving Principal, Vice Principal, Heads of Departments, Programme Coordinators and faculty in-charges. Each of the functionaries has specific roles and responsibilities. The academic policies, rules and regulations for different programmes offered by the institute are framed under the strong leadership of the Principal. The institution has strategic plan with respect to certain key performance indicators to reach the goals. The statutory committees such as Governing Body, Academic Council, and Finance committee and non-statutory committees are constituted as per the norms of the regulating bodies for smooth and orderly functioning of the institution. The Institution has a policy and strategy for mobilizing resources. The financial transactions of the college are subjected to regular internal and external audit. Internal Quality Assurance Cell (IQAC) is responsible for the quality standards in teaching and learning, evaluation, research and environmental sustenance. Academic Audit, Automation in the Examination Process and Online Certification Courses are some of the many IQAC initiatives which are successfully implemented. The quality improvement in research has culminated in publication of 341 articles in UGC approved journals. The Academic Performance index System (API) is in practice for encouraging the faculty for better involvement and accomplishment. The faculty members are encouraged to attend FDPs, workshops, seminars and conferences by extending necessary financial support which makes 41 % of our faculty members have attended such programs in the last five years. Certain welfare measures are in place for both teaching and non teaching staff members of the institution which is available in detail in staff handbook. Many academic and administrative processes are automated through E- governance policy to minimize the usage of paper towards digital India. Significant addition of building space and implementation of green initiatives are the other major improvements.

Institutional Values and Best Practices

M.I.E.T. Engineering College organizes a number of programmes to elevate the women strength in society and

to create awareness on gender equity. Efforts have been taken by the institution to promote gender equity like subsidized hostel fee, International Women's day celebration, Women empowerment Programme, exclusive women's sports etc. We have also conducted self-defense programs to ensure safety and security for women students and faculty members. A day care center with a care taker for the children of women employee is also available in the campus. Annual power requirement of college has also been supplemented by solar panel and biogas plant. Energy conservation is made by the use of LED bulbs, Solar panels, Biogas plant and Sensors. The institution has successfully managed solid, liquid and e-waste by properly disposing them. In addition, rain water harvesting pits are constructed for collecting and recharging the bore wells. The institution takes number of efforts to make the campus plastic and garbage free zone. Energy, Green and Environment audit are being carried out regularly by the institution and as a result of that Clean and Green Campus award was issued to the institute by Ignite Edutech. The college also uses battery vehicles for internal mobilization. Institution has facilitated the disabled students with ramps, lifts, rest-rooms, scribes for examination etc. In addition, the college organizes number of social economic activities like blood donation camp, eye camp, tree plantation program etc. M.I.E.T. Engineering College undertakes different initiatives by celebrating national festivals like Independence Day and Republic Day in order to know the values of social responsibilities. Two best practices which contributes for the better academic and administrative functioning of the Institution are **E- Management Information system** and **E-Academic Process Through Enterprise Resource Planning (E-MIET-ERP, a software developed by the M.I.E.T. human resource)** and **Development of Technocrats through Skill enhancement (DoTS)**. Institutional Distinctiveness of College is to support underprivileged students and Muslim minority students which play a vital role in fulfilling the Institutional goals.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	M.I.E.T. ENGINEERING COLLEGE
Address	Gundur,Trichy-Pudukkottai Road,
City	TIRUCHIRAPPALLI
State	Tamil Nadu
Pin	620007
Website	www.miet.edu

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	A Naveen Sait	0431-2660922	9698622000	-	principalengg@miet.edu
IQAC / CIQA coordinator	E Muthukumaran	0431-2660108	9944166801	-	iqac@miet.edu

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	Yes MUSLIM MINORITY.pdf
If Yes, Specify minority status	
Religious	Muslim
Linguistic	
Any Other	

Establishment Details	
Date of establishment of the college	17-11-1997

University to which the college is affiliated/ or which governs the college (if it is a constituent college)		
State	University name	Document
Tamil Nadu	Anna University	View Document

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC		
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	09-07-2020	12	

Details of autonomy	
Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Gundur,Trichy-Pudukkottai Road,	Rural	26.54	40469

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Co course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Mechanical Engineering	48	H.S.C or Equivalent	English	120	45
UG	BE,Electrical And Electronics Engineering	48	H.S.C or Equivalent	English	60	36
UG	BE,Civil Engineering	48	H.S.C or Equivalent	English	60	31
UG	BE,Electronics And Communication Engineering	48	H.S.C or Equivalent	English	60	30
UG	BE,Computer Science And Engineering	48	H.S.C or Equivalent	English	120	100
PG	ME,Mechanical	24	B.E or Equivalent	English	18	0

	Engineering					
PG	ME,Electrical And Electronics Engineering	24	B.E or Equivalent	English	18	2
PG	ME,Civil Engineering	24	B.E or Equivalent	English	18	5
PG	ME,Electronics And Communication Engineering	24	B.E or Equivalent	English	18	6
PG	ME,Computer Science And Engineering	24	B.E or Equivalent	English	18	6
PG	MBA,Master Of Business Administration	24	Bachelors Degree or Equivalent	English	60	43
Doctoral (Ph.D)	PhD or DPhil ,Mechanical Engineering	36	M.E or Equivalent	English	7	7

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	8				25				108			
Recruited	8	0	0	8	21	4	0	25	0	0	0	0
Yet to Recruit	0				0				108			
Sanctioned by the Management/Society or Other Authorized Bodies	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				30
Recruited	27	3	0	30
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				17
Recruited	16	1	0	17
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	13	0	0	1	0	0	8	3	0	25
M.Phil.	0	0	0	0	0	0	9	2	0	11
PG	0	0	0	0	0	0	64	41	0	105
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
		0	0	0	

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	252	0	0	0	252
	Female	65	0	0	0	65
	Others	0	0	0	0	0
PG	Male	31	0	0	0	31
	Female	30	0	0	0	30
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	1	0	0	0	1
	Female	0	0	0	0	0
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Category		Year 1	Year 2	Year 3	Year 4
SC	Male	35	26	58	67
	Female	40	19	53	49
	Others	0	0	0	0
ST	Male	0	0	2	3
	Female	0	0	1	0
	Others	0	0	0	0
OBC	Male	158	117	164	160
	Female	87	95	64	66
	Others	0	0	0	0
General	Male	6	3	5	4
	Female	1	3	1	2
	Others	0	0	0	0
Others	Male	116	140	182	212
	Female	10	15	23	22
	Others	0	0	0	0
Total		453	418	553	585

Extended Profile

1 Program

1.1

Number of courses offered by the Institution across all programs during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
381	375	380	366	366
File Description		Document		
Institutional data prescribed format		View Document		

1.2

Number of programs offered year-wise for last five years

2019-20	2018-19	2017-18	2016-17	2015-16
11	11	11	11	11

2 Students

2.1

Number of students year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
1467	1761	2083	2188	2231
File Description		Document		
Institutional data in prescribed format		View Document		

2.2

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
602	703	791	795	793

File Description	Document
Institutional data in prescribed format	View Document

2.3

Number of outgoing / final year students year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
488	604	601	639	598

File Description	Document
Institutional data in prescribed format	View Document

3 Teachers

3.1

Number of full time teachers year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
141	159	200	198	188

File Description	Document
Institutional data in prescribed format	View Document

3.2

Number of sanctioned posts year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
141	150	200	198	188

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 39

4.2

Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
563.93	621.34	658.56	644.67	635.58

4.3

Number of Computers

Response: 535

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1

The Institution ensures effective curriculum delivery through a well planned and documented process

Response:

M.I.E.T. Engineering College is the self financing minority institution approved by All India Council for Technical Education (AICTE) and affiliated to Anna University, Chennai. The curriculum and syllabi prescribed for various programmes by the university are strictly followed to ensure outcome based learning and strengthen the teaching learning process in a transparent and effective manner. The institution develops academic schedule in accordance with the guidelines of Anna University.

The Academic Calendar is prepared for every semester which includes curricular and co-curricular activities of the semester with working days, government and local holidays, schedule of internal assessment test, guest lectures and Industrial visits etc. and is displayed in the institution website. Allocation of subjects to the faculty members is done based on their specialization, experience, willingness after careful consideration of their subject expertise. The time table is framed with provision for Lectures, Tutorials, practical classes, Library visit based on the credits as per the curriculum. The opportunity is given to slow learners by conducting additional classes for improving actually earned marks.

All faculty members maintains a log book for each theory and laboratory course which contains syllabus, time schedule of classes, attendance of students, internal test marks, assignment and tutorial marks. Lesson plans are prepared with well-defined course outcomes and course study material such as reference books and journals, lecture notes, question bank, lab manuals provided by the allotted faculty members focusing on the transfer of knowledge and skills. Laboratory plans are prepared for each laboratory course as prescribed in the curriculum. Laboratory manuals are prepared for all the experiments and are provided to the students at the beginning of each semester. The continuous assessment for laboratory work is done on the basis of timely submission of laboratory records, understanding of the experiment through oral questions and participation in performing the experiment. Final year projects are reviewed by industrial experts. The lecture notes are prepared for each course by the faculty members and proper monitoring of syllabus coverage were periodically reviewed by the HoD. To enrich the knowledge of students, faculty members adopt different techniques, such as assignments, collaborative learning, peer learning, activity based learning, case studies, projects, etc., apart from regular class room teaching methods with modern teaching facilities.

To bridge the curricular gaps in the past five years, Guest lectures and value added courses on topics covering recent trends were arranged with experts drawn from academia and industries. Industrial visits were arranged for the students to gain industrial practices. Smart class rooms with high speed internet connection are available in the campus to enhance the teaching process of the teachers and learning process of the students. A Class Committee meeting framed by the principal is conducted twice

per semester in the presence of the Head of the committee from other departments. Students can give their feedback through online/offline process for the questionnaire during the progress of the course. Teachers can strengthen their subject knowledge during summer and winter vacation by attending the faculty development programs.

File Description	Document
Upload Additional information	View Document
Link for Additional information	View Document

1.1.2

The institution adheres to the academic calendar including for the conduct of CIE

Response:

Academic calendar approved by the Principal is continuously monitored by the Head of the Departments for its effective implementation. The student academic progress is monitored regularly by class advisors, mentors and respective head of the departments. Continuous Internal Evaluation (CIE) is quantified based on outcome of seminars, effectiveness of project works, performance of terminal test and semester examinations.

The institution practices a system of internal assessment of the students with a focus to ensure uniformity, transparency, high academic standards and quality through Outcome Based Education (OBE) based on the following,

- Question papers for the internal tests are designed to facilitate the assessment of the attainment of the course outcomes.
- The internal assessment marks in theory courses are based on two cycle tests and one model exam in each semester. Two set of question papers for each course will be prepared by the faculty member and submitted to the DAC (Department Assessment Committee) as per the schedule. The exam cell coordinator chooses the question paper for the particular course and the answer scripts are evaluated within 3 working days from the day of examination
- Improvement tests for the slow learners are scheduled within 10 days from the completion of internal test to improve the performance of internal test. The continuous internal assessment is entered in the ERP software.
- After each internal assessment examination, a meeting is conducted in the department with the faculty members to assess the level of understanding of the students on the topics covered.
- In each course four assignments are given in which three assignments are from their course and the remaining is an innovative. The schedule of assignments are planned well in advance and communicated by the concerned faculty member to the students. Assignments are evaluated and due weightage is awarded in CIE.
- The laboratory experiments are conducted based on procedure, experimentation, observation and result. After completion of the experiments, the knowledge level of the students is assessed based on oral questions.

- The students express their field of interest in front of the project review committee along with their supervisors to choose the project of their own choice. Project review committee provides the suggestion regarding the feasibility of the chosen project. After the selection of project the committee monitors the progress through successive reviews and evaluates the progress and quality of projects at the end of presentation.
- Every department has to submit the compliance of the academic calendar as part of their annual submissions. The Head of the department compiles the academic plan submitted by the teachers and ensures that there is no overlapping of the activities in the process of Continuous Internal Evaluation and the internal audit ensures the compliance of documentary evidences.

File Description	Document
Upload Additional information	View Document
Link for Additional information	View Document

1.1.3

Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years

- 1.Academic council/BoS of Affiliating university**
- 2.Setting of question papers for UG/PG programs**
- 3.Design and Development of Curriculum for Add on/ certificate/ Diploma Courses**
- 4.Assessment /evaluation process of the affiliating University**

Response:

File Description	Document
Institutional data in prescribed format	View Document
Details of participation of teachers in various bodies/activities provided as a response to the metric	View Document
Any additional information	View Document
Link for Additional information	View Document

1.2 Academic Flexibility

1.2.1

Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

Response:**1.2.1.1 Number of Programmes in which CBCS / Elective course system implemented.**

Response: 11

File Description	Document
Minutes of relevant Academic Council/ BOS meetings	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document
Link for Additional information	View Document

1.2.2**Number of Add on /Certificate programs offered during the last five years****Response:****1.2.2.1 How many Add on /Certificate programs are offered within the last 5 years.**

2019-20	2018-19	2017-18	2016-17	2015-16
13	14	17	15	15

File Description	Document
List of Add on /Certificate programs	View Document
Brochure or any other document relating to Add on /Certificate programs	View Document
Any additional information	View Document
Link for Additional information	View Document

1.2.3**Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years****Response:****1.2.3.1 Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
799	1145	1455	1406	1270

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	View Document
Any additional information	View Document

1.3 Curriculum Enrichment

1.3.1

Institution integrates crosscutting issues relevant to Professional Ethics ,Gender, Human Values ,Environment and Sustainability into the Curriculum

Response:

The institute has a history of strong community outreach through various curricular and co-curricular activities. The institute always incorporates the crosscutting issues of gender, human values, professional ethics, environment and sustainability.

Gender equality

As a co-educational institute, measures towards gender equality are taken for both the genders in all aspects.

- The college has Women Empowerment Cell which is formed to redress the grievances of the girl students and promote leadership qualities among women faculty.
- Equal opportunities are extended to boys and girls to participate in co-curricular and extra-curricular activities.
- Women's Day is celebrated every year with enlightening activities in which well performed girl students in various activities inside and outside the college are awarded by an eminent personality as chief guest.
- An unique practice of Girls hostel day is being celebrated every year exclusively to develop and motivate the leadership and organizing skills of the girl students.

Human Values

- The institution has an Anti-Ragging committee with the Principal as the convener. This committee effectively controls ragging against the fundamental human values and rights.
- The NSS unit of the institution comprises of 100 student voluntaries actively performs social service activities by adopting a village every year.

- Student volunteers of the NSS/Youth Red Cross/ Red Ribbon club extend their service in organizing blood donation camps regularly.
- Tree plantation, training on fire safety measures, Eye camp, and other social awareness campaigns are organized in the institution.

Professional Ethics

- The young minds of the students are tuned to maintain high standards in code of conduct to be maintained within and outside the campus.
- Ethical practices such as dress code, wearing of Identity cards, maintaining Ragging free environment and not indulging in any malpractice are ensured.
- The university curriculum includes an elective subject titled ‘Professional Ethics in Engineering’ which inculcates ethical standards required for engineers.

Environment and Sustainability

- The institution has a lush green and clean campus. It is also conscious of energy conservation and adopts energy efficient practices of solar energy supplementation, and use of LEDs and CFLs lamps. Water conservation is effected by adopting water recycling and rain water harvest techniques. To spread awareness among people on environmental sustainability and related issues, extension activities are conducted by the NSS unit of the institution
- Use of paper is drastically minimized by sending announcements and circulars through emails. Similarly measures are also taken to make the campus plastic free.
- The curriculum includes elective courses like Environmental Sciences and Engineering & Air pollution and control engineering. These courses provide in-depth knowledge about environment protection and its sustainability.
- Regular Energy audit and Green audit are carried out to ensure energy conservation and environmental sustainability. Ignite Edutech awarded a certificate of recognition for the well maintenance of campus.

File Description	Document
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View Document
Any additional information	View Document

1.3.2

Average percentage of courses that include experiential learning through project work/field work/internship during last five years

Response:

1.3.2.1 Number of courses that include experiential learning through project work/field

work/internship year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
191	170	152	164	224

File Description	Document
Programme / Curriculum/ Syllabus of the courses	View Document
MoU's with relevant organizations for these courses, if any Average percentage of courses that include experiential learning through project work/field work/internship	View Document
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View Document
Any additional information	View Document

1.3.3

Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response:

1.3.3.1 Number of students undertaking project work/field work / internships

Response: 1061

File Description	Document
List of programmes and number of students undertaking project work/field work/ /internships	View Document
Any additional information	View Document

1.4 Feedback System

1.4.1

Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders

1) Students

2) *Teachers*

3) *Employers*

4) *Alumni*

Response:

File Description	Document
Any additional information (Upload)	View Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View Document
URL for stakeholder feedback report	View Document

1.4.2

Feedback process of the Institution may be classified as follows:

Options:

- 1. Feedback collected, analysed and action taken and feedback available on website**
- 2. Feedback collected, analysed and action has been taken**
- 3. Feedback collected and analysed**
- 4. Feedback collected**
- 5. Feedback not collected**

Response:

File Description	Document
Upload any additional information	View Document
URL for feedback report	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Average Enrolment percentage (Average of last five years)

Response:

2.1.1.1 Number of students admitted year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
453	418	553	585	684

2.1.1.2 Number of sanctioned seats year wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
711	831	936	940	938

File Description

Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

2.1.2

Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)

Response:

2.1.2.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
446	412	547	579	659

File Description	Document
Average percentage of seats filled against seats reserved	View Document
Any additional information	View Document

2.2 Catering to Student Diversity

2.2.1

The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

Response:

In order to identify and improve the level of academic performance continuously internal assessment test/ Model Examination are conducted in each semester along with assignments on core topics. Based on the academic performance in those tests and assignments, the level of performance of the students is assessed by the teachers. The results of these assessments are used as tools to categorize the students into two major groups namely advanced learners and slow learners.

Methodology to encourage Advanced Learners:

- The students are encouraged to practice in problem solving techniques that will help to bring out their own talents.
- Learning with intellectual peers would provide them to improve their self interest and confidence to take up higher levels of learning. It is important to respond for this quick pace of learning by providing challenging and engaging activities such as Independent study, Creative thinking activities, etc.,
- The students are allotted with a specific topic to take seminar in the regular classes in order to develop the skill of self learning.
- The students are motivated to do projects/mini-projects and to go for internships which help them to improve their domain and technical knowledge more deeply.
- The fast learners are trained to take up competitive examinations such as GATE / UPSC / TNPSC etc.
- The students are permitted to enroll in more number of certificate courses like NPTEL and spoken tutorial to strengthen their professional skills; and they are allowed to access online journals like Springer in the digital library which is considered as an additional resource of learning.
- To acquire the different types of learning skills they are allowed to participate in various workshops, seminars, and technical symposia as well as in other contests to improve their skill sets.
- The advanced learners are advised to help the slow learners to improve their performance.

Methodology to boost Slow Learners:

- Innovative methodologies in the classroom are adopted in teaching-learning process to enhance

the performance of slow learners.

- The identified slow learners will be under the care of the subject handling faculty. They interact with the concerned students and with their parents to know about the difficulties that are being faced by the students. Based on the output and information the teacher will chart out further plan of action.
- Apart from the regular class room teaching, periodic remedial classes and special classes are conducted for their improvement. Such remedial classes certainly help the slow learners to improve the academic performance and come out with flying colours.
- Periodic counseling is performed to remove the fear of appearing the end semester examination.
- Regular Parents-Teachers Meeting is organized twice in an academic year to inform the parents about the status of the students which helps to monitor the progress of the students both by the teacher and parents.
- These students are also motivated to actively participate in Extra Curricular Activities in their area of interest.

File Description	Document
Upload any additional information	View Document
Past link for additional Information	View Document

2.2.2

Student- Full time teacher ratio (Data for the latest completed academic year)

Response:

File Description	Document
Any additional information	View Document

2.3 Teaching- Learning Process

2.3.1

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

Response:

The institution is always students centric and all activities are focused on the academic and social welfare of the students. All the expectations of the students are facilitated with appropriate planning and execution. The methodology of teaching-learning process is designed to carry out the student's requirement and the outcome based education is practiced in the college. Apart from the coverage of regular curriculum, extra care is taken for the students by motivating them to participate in co-curricular and extra-curricular activities.

As per the norms of Anna University, tutorial classes are conducted for courses having 4 credits in the curriculum. Remedial classes are conducted for the slow learning students to enhance their learning capability and knowledge in the respective subjects.

METHODOLOGY OF STUDENT CENTRIC TEACHING- LEARNING:

Experiential Learning

- The students are supported to enrich their practical exposure by providing laboratory experiments related to their stream of study.
- They are motivated to perform mini project and to attend internship training program during semester vacation.
- The students are taken for industrial visit / field visit to understand the correlation of process reality with theoretical knowledge.
- At the end of the programme, all the students are assigned a project work on a topic of their interest.

Participative Learning

- In addition to the regular classes, special guest lectures on the course topics are organized by inviting subject experts. Expert lectures expose the students to in-depth knowledge on specialized subject.
- The students are encouraged to attend workshops related to their field of study which may help to understand how the theoretical knowledge is applied in the industrial processes.
- To develop the interactive/ communication skill, the students are given a topic to take seminars in the regular classes and also they are encouraged to present papers in the conference that are organized by other institutions. Likewise the students are encouraged to perform role play as a part of activity based learning.
- To develop the organizational skills, students are allowed to participate in various symposia organized by other institutions. Further they are encouraged to organize symposia in the institution and the entire expenditure of organizing the symposia is borne by the management.
- Various competitions are being organized to nurture various talents and skills such as leadership skills, communication skills, technical skills and team coordination skills.

Problem Solving Methodologies

- Various competitions with regard to problem solving methodologies such as quiz, coding competitions etc., are organized. Also the students are motivated to participate in the competitions organized by other institutions.
- The case studies are discussed to share the real life experience related to the field of study. This kind of exercise is useful to identify the issues associated with the field and corresponding remedies to be implemented. The case studies are great ways to improve the learning experience, because they get the learner involved and encourage applying the newly acquired skills.

File Description	Document
Upload any additional information	View Document
Link for additional information	View Document

2.3.2

Teachers use ICT enabled tools for effective teaching-learning process.

Response:

The college has significant number of ICT enabled tools for effective teaching- learning process and are listed below:

Smart Class Room

Leverage the advanced technology which provides tools such as integrated classroom with the digital displays, whiteboards, assistive listening devices, and other audio/visual components that make lectures easier, engaging, and more interactive.

Computer Assisted Learning

All the departments of this college are sufficiently equipped with computers, printers, LCD projectors, application software and system software. These ICT tools are effectively used for teaching. The students are also encouraged to make use of above facilities to find out the solutions for the assignments and tutorials.

Google class room

An open source collaborative learning tool has been implemented for faculty and students. Faculty member can create an online classroom and invite students to join the class, and then create and distribute the assignments, PPTs, Video Lectures, Lecture notes. In the Google classroom, students and faculty can have interactions about the assignments and clarify their doubts in subjects through online.

Google meet online class room

Effective online class room technique is employed through Google meet platform for enterprise-grade video conferencing to students. Any faculty member with a Google Account can create an online class for real-time student collaboration, interaction and driving the student discussion in and out of the classroom.

Lab experiments through Video Lecturing

The Lab Materials have been prepared by the concerned faculty and made available to the students through website and google classroom. The students can be able to complete the lab exercises on time, understand the logic in advance and execute more number of exercises to improve their knowledge in practical courses.

Course PPT and materials available in college website

The course materials and power point presentation prepared by the concerned faculty member are made available to the students. The students can be able to access the material at any time and improve their knowledge in respective courses and develop their self-studies.

E-book and E-Journal facilities available in Library

As learning is a continuous process, books and other e-learning media are very essential for gaining knowledge. The Library Committee headed by the Principal ensures that all the requirements such as procuring books, Technical Journals, Technical Magazines, applying for access to E-Journals, providing good reference books and adequate reading spaces are fulfilled.

NPTEL and Spoken Tutorial online classes

The students are motivated to register their names in NPTEL and Spoken Tutorial through online for a particular course and make them to attend the classes regularly in online and after completion of the course they are encouraged to attend the online certificate examination.

File Description	Document
Upload any additional information	View Document
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View Document

2.3.3

Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)

Response:

2.3.3.1 Number of mentors

Response: 100

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	View Document
mentor/mentee ratio	View Document
Circulars pertaining to assigning mentors to mentees	View Document

2.4 Teacher Profile and Quality

2.4.1

Average percentage of full time teachers against sanctioned posts during the last five years

Response:

File Description	Document
Year wise full time teachers and sanctioned posts for 5years(Data Template)	View Document
List of the faculty members authenticated by the Head of HEI	View Document
Any additional information	View Document

2.4.2

Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

Response:

2.4.2.1 Number of full time teachers with *Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt.* year wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
36	29	24	20	14

File Description	Document
List of number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. and number of full time teachers for 5 years (Data Template)	View Document
Any additional information	View Document

2.4.3

Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)

Response:

2.4.3.1 Total experience of full-time teachers

Response: 872

File Description	Document
List of Teachers including their PAN, designation, dept and experience details(Data Template)	View Document
Any additional information	View Document

2.5 Evaluation Process and Reforms

2.5.1

Mechanism of internal assessment is transparent and robust in terms of frequency and mode

Response:

The Internal assessment tests are conducted to assess the performance of students as well as their understanding of a course. The continuous assessment process is helpful for the faculty members to monitor the student's knowledge in a course. It may also help the students to prepare for their end semester examination and give an insight of overall understanding in a particular course.

Internal Assessment Test details: (IAT)

CycleTest-I, CycleTest-II and Model Exam are conducted every semester to evaluate the students performance at course level and to provide internal marks to them. IAT tests are usually conducted with pre-planned schedule as mentioned in the *Academic Calendar*. The academic calendar is being posted in the departments' notice board as well as in the college website before the commencement of each semester. The centralized exam cell conducts the internal assessment tests with the assistance of department exam cell coordinators.

Hall Plan is prepared by the exam cell by mixing up the students belonging to various programmes to maintain discipline inside the exam hall. The prepared hall plan is submitted to Principal for approval. After approval, it shall be circulated to the students and displayed in the department notice boards.

Question Paper Scrutiny:

Centralized exam cell shall frame the question paper format with the concurrence of the Principal. The format will be circulated to all the faculty members through e-mail and instruction will be given to prepare the IAT question papers in the prescribed format.

The faculty members have to mention the percentage of CO's coverage and Blooms Taxonomy in each question paper. Generally, the Cycle Test-1 covers CO1 & CO2, the Cycle Test-2 covers CO3 & CO4 and Model Exam covers all the CO's. Each faculty member prepares a set of question paper (2 in no.) for their courses along with the answer key. Department Assessment Committee (DAC) is

supposed to review the internal assessment question papers with respect to their domain. DAC also checks the quality of the question papers and verify whether it is as per Blooms Taxonomy level and course outcomes. After verification it is forwarded to the exam cell and any one question paper will be issued.

Evaluation:

The respective course handling faculty member evaluates the answer scripts by using answer keys and scheme of evaluation. After valuation, the answer scripts are circulated to the students in the class room for verification. After getting verification from the students, the marks are finalized and taken for continuous internal assessments.

Assignments:

Assignments are given to the students with a view to develop their analytical and problem-solving skills as well as their self-learning ability. Three assignments are given per course in a semester related to the curriculum of a course. The assignment questions are prepared well in advance and disseminated to the students as per the scheduled dates. The students will be given sufficient time to complete and submit the assignments.

File Description	Document
Any additional information	View Document
Link for additional information	View Document

2.5.2

Mechanism to deal with internal/external examination related grievances is transparent, time-bound and efficient

Response:

The institution has centralized Exam Cell which coordinates the conduct of internal and external examinations. The answer scripts are evaluated by the faculty members concerned and it is distributed to the students. Two question papers are prepared by the faculty members for each course.

Students are informed through periodic circular about the continuous assessment for lab work, project work and seminars. Internal test marks are displayed on notice board. Any discrepancies /issues in continuous assessment are resolved by respective faculty and the Head of the department.

Student’s grievances with respect to University question paper, if any, are forwarded to the Controller of Examinations, Anna University for further action, through the Principal. The students’ complaint about the mark sheets are addressed and discussed in consultation with the exam cell and, if necessary, the issues are communicated to the Controller of Examinations, Anna University Chennai through the Principal.

When the students are not satisfied with semester exam results, University gives the option for revaluation and demand of photocopy of corrected answer scripts. The University provides the photocopy of answer scripts to the students and the same will be evaluated by the subject handling faculty along with the recommendations of the HOD and Principal. The answer scripts are reevaluated by the university and the revaluation results are published in the Anna University official website.

In case the students are not satisfied with the revaluation results, the university provides an additional opportunity to go for review of revaluation. The fees for the review of revaluation will be refunded if there is any improvement in the grade, otherwise the amount will not be refunded. All the above process is time bound, transparent and efficient with respect to the mechanism dealt with examinations.

File Description	Document
Any additional information	View Document
Link for additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1

Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Response:

The institute offers a high quality holistic education in an under developed and semi urban area. The vision and mission of the institution emphasize to provide a conducive learning environment that facilitates the students to achieve professional and personal growth in technical field and capable of solving the societal issues. The institute provides a good and modern infrastructure for the development of the students to explore their hidden talents and innovative skills.

The teaching learning process effectiveness can be measured through learning outcomes and in turn it can be achieved by comparing the Course Outcomes (CO) and Programme Outcomes (PO) target and attainment.

The Programme Outcomes (PO), Programme Educational Objectives (PEO) and Program Specific Outcomes (PSO) are displayed and disseminated in each and every department classrooms, corridor, faculty rooms, laboratories, cabin of HOD's and it is also available in departmental webpage of Institutional website (www.miet.edu).

The course outcomes are communicated by individual faculty to the students in classrooms, displayed in lesson plan, log book, course file and displayed in departmental web page of institutional website and also displayed in the course material available in departmental web page.

File Description	Document
Upload COs for all Programmes (exemplars from Glossary)	View Document
Upload any additional information	View Document
Past link for Additional information	View Document

2.6.2

Attainment of programme outcomes and course outcomes are evaluated by the institution.

Response:

CO and PO Target process

The quality of assessment process is based on the Outcome Based Education. The OBE is purely based on the correlation of Course Outcome, Program outcome and PSO mapping. Initially the faculty members frame five to six course outcomes for their allotted subject, while the 12 POs are predetermined and the PSOs are framed in the department level. The individual faculty members correlated their individual Course Outcome with POs, and PSOs with respect to the mapping parameters, such as high, medium and large impact values.

CO and PO attainment Process:

The attainment calculation of Course Outcome and Programme Outcome is based on two methods.

1. Direct Assessment
2. Indirect Assessment

Direct Assessment

Direct Assessment represents the process of taking the three internal test marks along with assignment and university results. The Course outcome attainment is fixed based on the number of students scored greater than or equal to 50% of individual Course outcomes with maximum marks. The internal test marks (IAT) is taken for 60% weightage, and the assignment with 40% weightage is subsequently converted to 80% (CIE). CO attainment is bench marked at 70% by including CIE and university results.

Indirect Assessment

The Indirect assessment process is obtained from course end survey with respect to the course outcomes of individual courses from all the students. The students are assigned the impact values of high, medium and low respectively for all Course outcomes. The average value of CO1 to CO5 or CO6 is calculated and the average calculated value will be taken for weightage of 30%.

CO-PO Attainment

The individual course outcome attainment level is determined from direct and indirect assessment. Each correlated CO-PO target values are compared with the obtained CO values. The average value of all COs with respect to individual PO is considered as a PO attainment. The attained PO value is compared with target PO values. If the PO attainment value is greater than target PO value, the PO attainment is considered as achieved and otherwise remedial action will be taken to improve the respective PO attainment.

File Description	Document
Upload any additional information	View Document
Paste link for Additional information	View Document

2.6.3

Average pass percentage of Students during last five years

Response:

2.6.3.1 Number of final year students who passed the university examination year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
478	352	462	553	495

2.6.3.2 Number of final year students who appeared for the university examination year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
488	604	601	639	598

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View Document
Upload any additional information	View Document
Paste link for the annual report	View Document

2.7 Student Satisfaction Survey

2.7.1

Online student satisfaction survey regarding teaching learning process

Response:

File Description	Document
Upload database of all currently enrolled students (Data Template)	View Document
Upload any additional information	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1

Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs)

Response:

3.1.1.1 Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	52.7	17.75	25.2

File Description	Document
List of endowments / projects with details of grants	View Document
e-copies of the grant award letters for sponsored research projects / endowments	View Document
Any additional information	View Document

3.1.2

Percentage of teachers recognized as research guides (latest completed academic year)

Response:

3.1.2.1 Number of teachers recognized as research guides

Response: 8

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

3.1.3

Percentage of departments having Research projects funded by government and non government agencies during the last five years

Response:**3.1.3.1 Number of departments having Research projects funded by government and non-government agencies during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	1	1	3

3.1.3.2 Number of departments offering academic programmes

2019-20	2018-19	2017-18	2016-17	2015-16
6	6	6	6	6

File Description	Document
Supporting document from Funding Agency	View Document
List of research projects and funding details	View Document
Any additional information	View Document
Paste link to funding agency website	View Document

3.2 Innovation Ecosystem**3.2.1**

Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Response:

M.I.E.T. Engineering College has created an ecosystem for the under graduate and post graduate students to explore new ideas and to share knowledge with the experts in their areas of interest. The faculty members are motivated and encouraged to involve in creating innovative ideas in terms of research and to conduct the proposed novel research activities in the campus. The Research and Development Cell and Entrepreneurship Development Cell of our institution trigger the students and faculty members to explore their ideas in the field of entrepreneurship and research respectively.

Research and Development Cell

The Research and Development Cell completely monitors and addresses the issues of research activities in the campus and cell is mentored by a senior academician designated as Research Advisor. Research and development cell facilitates the students and faculty members with internet connectivity, computing facility with licensed software, physical infrastructure such as seminar halls, laboratories and workshops. The cell regularly organizes seminars, workshops, guest lectures, and deliberations on development of latest research. Department of Mechanical Engineering is recognized as research department by Anna University, Chennai (**Recognition No: 4381117**) since 2015.

The management of M.I.E.T. provides seed money for students and faculty members to implement their projects which is considered as innovative and fulfills the social needs. Some notable projects completed by our students under this scheme are ‘Automated water level monitoring’ and ‘Automated light controlling system’. The cell also concentrates on registration of patents for the works of students and faculty members. Appreciable number of patents are also published with the effort of this cell.

Entrepreneurship Development Cell

Entrepreneurship Development Cell of M.I.E.T. Engineering college periodically organizes Entrepreneurship Awareness Camps (EAC) for the last 3 years to create awareness about Entrepreneurship skills among students and motivate them to start a business with their knowledge as a capital investment. EDC has also organized a 2 weeks Faculty Development Program under the sponsorship of Entrepreneurship Development Institution of India, Gujarat, India (DST-NIMAT Project EDII- Ahmadabad). As a result of effective operation of EDC cell in our campus, alumni of 2019 and 2020 batch of M.I.E.T. joined together and started a business venture in the name and style of ‘Scrollplus, Unique Seekerz’ to provide digital services for public.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

3.2.2

Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years

Response:

3.2.2.1 Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
11	8	10	5	2

File Description	Document
Report of the event	View Document
List of workshops/seminars during last 5 years	View Document
Any additional information	View Document

3.3 Research Publications and Awards

3.3.1

Number of Ph.Ds registered per eligible teacher during the last five years

Response:

3.3.1.1 How many Ph.Ds registered per eligible teacher within last five years

Response: 8

3.3.1.2 Number of teachers recognized as guides during the last five years

Response: 8

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document
Any additional information	View Document
URL to the research page on HEI website	View Document

3.3.2

Number of research papers per teachers in the Journals notified on UGC website during the last five years

Response:

3.3.2.1 Number of research papers in the Journals notified on UGC website during the last five years.

2019-20	2018-19	2017-18	2016-17	2015-16
52	94	66	79	50

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

3.3.3

Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Response:

3.3.3.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
11	15	19	6	10

File Description	Document
List books and chapters edited volumes/ books published	View Document
Any additional information	View Document

3.4 Extension Activities

3.4.1

Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.

Response:

The student volunteers and faculty incharges of NSS, RRC, Gen-Z warriors club, Igniters club, Nature club, Safe India club and Go-India club of M.I.E.T. Engineering College, visited neighboring locations like Kalamavur village, OSP Mahal, Keeranur, Temple around Keeranur, Panchayat Union Middle School-Burma Colony-Gundur, Race Course Road (Anna Stadium), Government Boys Higher Secondary School, Keeranur and conducted various extension activities during the past five years. The activities are conducted under the banner of National Service Scheme and Red Ribbon Club. Other activities such as Dengue awareness programme, blood camp, medical camp, tree plantation camp, Disaster management awareness programme and cleaning camp was also organized and created awareness among students, faculty members and general public. Regarding pathetic condition of

marginalized section of society the extension activities of the institute have created strong motivation for alleviation of injustice and poverty. Apart from this, the significance of clean surrounding, hygiene, sanitation in the neighborhood, garbage disposal, and associated issues are addressed. All these initiatives have gone a long way in holistic development, personality of the participants of these programs. The activities such as tree plantation programe indicate the manner in which multiple issues of social, political and economic significance are discussed and dealt with in order to create sensitivity and understanding among students and contribute to balanced development of their personality, so that committed and ethically informed citizenship is created. In the present days isolating the old & deprived, has been a major social problem faced by the Society and hence the student volunteers were well informed about the living style and conditions of the old-age home. The tree planting campaign would go a long way in inculcating eco-consciousness among the young generation which would contribute to the benefit of society for healthy life by way of protecting the environment.

The M.I.E.T. Engineering College always encourages the faculty members and students to initiate and improve the standard of life in the nearby villages of the institution. The main objective of various Clubs are to generate awareness among the faculty members, students and supporting staff about the life skills which is required beyond curricular activities to develop the skills and improve the quality of life.

Feedback from the Beneficiaries

- NSS Special Camp was effective and useful for the people of the Kalamavur village.
- The special camps are inspiring source for the common people to realize their social responsibilities and importance of national development.
- Medical Camp, Dental Camp and Veterinary Camp organized by the NSS unit of M.I.E.T. Engineering College are much appreciated based on the benefits received by the people.
- The blood donation camp helped the district blood bank to restore the level of blood stock during crunch time.
- Conduct of sports activities for village people was much appreciated and it provides great fun and joy for the people participated in the activity.
- Villages happily participated in tree plantation campaign and they also plant saplings in their homes.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

3.4.2

Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years

Response:

3.4.2.1 Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

File Description	Document
Number of awards for extension activities in last 5 year	View Document
e-copy of the award letters	View Document
Any additional information	View Document

3.4.3

Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years

Response:

3.4.3.1 Number of extension and outreached Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
8	11	12	8	7

File Description	Document
Reports of the event organized	View Document
Number of extension and outreach Programmes conducted with industry, community etc for the last five years	View Document
Any additional information	View Document

3.4.4

Average percentage of students participating in extension activities at 3.4.3. above during last five years

Response:

3.4.4.1 Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
555	931	915	621	547

File Description	Document
Report of the event	View Document
Average percentage of students participating in extension activities with Govt or NGO etc	View Document
Any additional information	View Document

3.5 Collaboration**3.5.1**

Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

Response:

3.5.1.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
38	47	30	19	7

File Description	Document
e-copies of related Document	View Document
Details of Collaborative activities with institutions/industries for research, Faculty exchange, Student exchange/ internship	View Document
Any additional information	View Document

3.5.2

Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years

Response:

3.5.2.1 Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
5	11	4	4	7

File Description	Document
e-Copies of the MoUs with institution/ industry/corporate houses	View Document
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	View Document
Any additional information	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1

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

Response:

The institute, since its inception in 1998, has never compromised with infrastructural facilities be it physical buildings, machinery, equipment, software, books and other learning resources. Thus, it has built up an impressive and state of art infrastructure with modern facilities and learning resources as per the prescribed norms of statutory bodies like AICTE and Anna University. The College strongly believes that the right and adequate infrastructural facilities will provide ample opportunities for both the faculty and students' in academic development and growth. In fact the college strongly believes that infrastructure is the key element of its resources for providing quality education leading to innovations. Thus the main focus is on creating such a learning environment that would enable the students to transform into capable, confident and responsible engineering graduates. The college has a good academic ambience, spread in a sprawling campus of 26.54 acres, lush green environment having lots of trees and lawns conducive for learning atmosphere.

The access and circulation (staircase and corridors) area is more than the prescribed norms by the apex body. The carpet area of the amenities (boy's & girl's common room, toilets, cafeteria, sports, gymnasium etc.), the administrative (Principal Office, HoD and faculty cabins, Examination cell, Training and Placement cell, Security office etc.) and the instructional (classrooms, tutorial room, laboratories, library and reading room, seminar halls, auditoriums, workshops, drawing halls, computer centers, etc.) carpet area are approximately double than the area prescribed by the statutory bodies. Moreover all laboratories are fully equipped with latest state-of-the-art technology and equipments. The computing facility consists of licensed software (system software and applications software) and also a good number of open source software is also being used by the faculty as and when required to fulfill the curriculum. Adequate administrative and support facilities are also available to foster academic needs. The computing facilities of the college cater to the needs of faculty and students.

There are sophisticated IT facilities which include 617 Computers, 29 Printers, 4 Legal System Software, and 30 Legal Application Software along with Wi-Fi connectivity access points at prominent places. The spacious central library with a carpet area of 725 Sq.m and a seating capacity of 200 is constantly serving the students and faculty members. The digital library is equipped with 20 PCs which are connected with LAN for fast and seamless access of the internet for streaming NPTEL lectures and for using other e-Resources for the benefit of its users. Reprographic facilities are also available in the library.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.1.2

The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

Response:

The institution focuses on overall development of the students through participation in co-curricular and extra-curricular activities. Outdoor and indoor sports and games contribute significantly in grooming students. Qualities like leadership, team spirit, and competitive spirit can be inculcated amongst the students through such sports activities. Students are encouraged to participate in different Sports/Games and cultural activities. Cultural activities are conducted in the Auditorium and in open air auditorium of the institution.

Sports and Games

Institution has employed well-qualified and experienced physical director, who trains and supervises students actively participating in various sports and games activities and competitions. Physical Director trains the students in their chosen games in the time-slot allocated to them. The institution has a spacious and well equipped indoor-sports room, where students can play games like table tennis, chess, carom, Gym etc. Sufficient area is allocated to outdoor sports and games with adequate facilities.

Cultural Activities

All the seminar halls and auditorium are provided with adequate facilities to conduct various cultural activities and co-curricular activities. Cultural activities are conducted in these seminar halls and auditorium on different occasions like Independence Day, Republic day, Hostel day and on such other important occasions. To bring out and to encourage inherent talents of the students, various clubs are introduced and students join these clubs based on their interest. Students are encouraged to actively participate and showcase their talent and skills. These activities contribute to bring out latent talent among students, which help to build their overall personality by developing communication skills, leadership qualities and team work. Students are encouraged to participate in co-curricular and extra-curricular activities in inter-college, inter-university and in State and National level competitions.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.1.3

Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. (Data for the latest completed academic year)

Response:

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 35

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

4.1.4

Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)

Response:

4.1.4.1 **Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)**

2019-20	2018-19	2017-18	2016-17	2015-16
134.75	159.34	140.98	96.88	142.17

File Description	Document
Upload Details of budget allocation, excluding salary during the last five years (Data Template)	View Document
Upload audited utilization statements	View Document
Upload any additional information	View Document

4.2 Library as a Learning Resource

4.2.1

Library is automated using Integrated Library Management System (ILMS)

Response:

Name of the ILMS software	Nature of Automation (Fully/Partially)	Version	Year of Automation
NIRMALS	Fully	2.0	2003

Integrated Library Management Software Package: NIRMALS

Integrated Library Management Software Package NIRMAL (Nirmal Institute of Computer Experts) has been installed in the year of 2003. This software package has been coded with Oracle 11G as back end and visual basic.net 2010 as front end. This software package is used in different modules of operation control such as

1. Acquisition Control Systems: Nirmal A
2. Bibliographic Control System: Nirmal B
3. Circulation Control System: Nirmal C
4. Serial Control Systems: Nirmal S
5. Online Public Control System: Nirmal OPAC
6. Nirmal General Utilities: Nirmal U
7. Gate Entry Monitoring Systems (GEMS):
8. Web OPAC - <http://miet.edu>

Description	Year
Nirmal Software Installed	2003
Nirmals Upgrade: e-Gate	2015
Web OPAC	2018

CENTRAL LIBRARY BOOKS

Total No of Books : 44023

No of Titles : 17452

Sl. No	Branch	No of Titles	No. of Volumes
1	B.E – CIVIL	1674	4149
2	B.E – MECHANICAL	2187	7303
3	B.E – E.E.E	1647	4608
4	B.E – E.C.E	1645	5347

5	B.E – C.S.E	2836	6847
6	B. Tech – I.T	1079	2998
7	M E – Structural Engineering	228	706
8	M.E – Manufacturing Engineering	425	1019
9	M E – Power Electrical Drives	236	647
10	M.E – VLSI Design	399	885
11	M.E – Computer Science and Engineering	425	1193
12	M.B.A– Management Studies	2152	3629
13	Science and Humanities	2519	4692
Total		17452	44023

NPTEL : 10 TB (Tera Byte) Hard Disk Course Materials

No of Project Report : 2988 (Hard 2586+402 Soft)

No of Back Volumes : 940

Plinth Area : 725 SQM

Total Value of Library Books : Rs. 1, 45, 44,806.00

Library Software : NIRMALS Software

No of Staff : 05 (One Librarian, 3 Assist. Librarian &1 Library Assistant)

Working Hours : 9.00am to 7.00pm

Access System : Open Access System with 6 books issued per user

File Description	Document
Upload any additional information	View Document
Paste link for Additional Information	View Document

4.2.2

The institution has subscription for the following e-resources

- 1.e-journals
- 2.e-ShodhSindhu

- 3. Shodhganga Membership
- 4. e-books
- 5. Databases
- 6. Remote access to e-resources

Response:

File Description	Document
Upload any additional information	View Document
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership , Remote access to library resources, Web interface etc (Data Template)	View Document

4.2.3

Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

Response:

4.2.3.1 Annual expenditure of purchase of books/e-books and subscription to journals/e-journals year wise during last five years (INR in Lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
17.20	28.28	40.97	34.43	23.12

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

4.2.4

Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the latest completed academic year

Response:

4.2.4.1 Number of teachers and students using library per day over last one year

Response: 476

File Description	Document
Details of library usage by teachers and students	View Document
Any additional information	View Document

4.3 IT Infrastructure

4.3.1

Institution frequently updates its IT facilities including Wi-Fi

Response:

The college has adequate facilities of the information technologies including Wi – Fi and the internet connections is well spread through the campus and it is updated frequently. The institution is equipped with 617 internet connected computers and LCD projectors installed in all department class rooms. All the computers in the campus are provided with LAN facility. The college has well-equipped smart class rooms with projectors and internet connections. Conference and seminar halls also consist of computers with internet and LCD Projectors.

The entire college campus is connected through optical fiber network which ensures reliable connections by 24x7. Internet Facility is also available in the entire campus like hostel rooms, library, placement cell and all the laboratories and speed of the internet connectivity is 70 Mbps provided by BSNL (50 Mbps) & AIRTEL (20 Mbps).

The college has more than 20WiFi hotspots with extenders provided to cover the wireless range throughout the college. All computers in the campus are connected to the internet as it is essential for them to work. Also surplus Ethernet ports are provided for laptops or other devices in need of internet connectivity.

A separate team with in-house staff is formed to take care of the IT & related needs of the campus such as Software Development, Hardware & Networking, Website designing & hosting, Email solutions, SMS solutions etc. The entire campus including Hostels has Wi-Fi connectivity.

Name of the Internet provider : BSNL & AIRTEL

Available Bandwidth : 70 Mbps (50 Mbps by BSNL & 20 Mbps by AIRTEL)

Wi Fi Availability : Yes, Campus including Hostels

Upload / Download : 50 Mbps / 50 Mbps (leased optical fiber line)

Internet Access in Labs, Classrooms, Library, Office, Departments, Hostel: Yes

Availability in Faculty Cabin with College email ID: Yes, Individual

Network Security Arrangements : Yes, Sophos Hardware firewall

Service Provider details	Description of IT facilities/Wifi	Date of Updation	Nature of Updation
BSNL	50 Mbps	22-10-2019	Manually
AIRTEL	20 Mbps	26-02-2018	Manually

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.3.2

Student - Computer ratio (Data for the latest completed academic year)

Response:

File Description	Document
Upload any additional information	View Document
Student – computer ratio	View Document

4.3.3

Bandwidth of internet connection in the Institution

Response:

File Description	Document
Upload any additional Information	View Document
Details of available bandwidth of internet connection in the Institution	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1

Average percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years(INR in Lakhs)

Response:**4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year-wise during the last five years (INR in lakhs)**

2019-20	2018-19	2017-18	2016-17	2015-16
174.83	183.91	209.85	190.78	167.39

File Description	Document
Upload any additional information	View Document
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View Document
Audited statements of accounts	View Document

4.4.2

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

Response:**CIVIL MAINTENANCE**

Maintenance plays such an important role in the effective function of the institution. The cost of regular maintenance is very small when it is compared to the cost of a major breakdown caused by failure of maintenance. The main purpose of regular maintenance is to ensure the maximum efficiency at all times.

1. Maintaining cleanliness and sanitation in the campus.
2. Repair of frequently damaging components like window glasses, plumbing components, sanitary ware, floor tiles, doors, classrooms, benches, boards, furniture, faculty rooms etc
3. Internal road maintenance.
4. Water supply and over head/underground water tank maintenance.
5. All Buildings are painted periodically by outsourced labours.

When there is a need of a maintenance work, the people in-charge of maintenance have to make entry in the complaint register and submit a letter to the maintenance department through the respective head of the department. A skilled person from maintenance department will inspect the spot and a work order will be prepared by him for budget approval. After the purchase of necessary items the fault will be rectified within the stipulated period. All maintenance works are executed with the knowledge and approval of the Principal and Chairman. If the maintenance work is outsourced a bill is generated and processed through the concerned authorities and forwarded through Principal for payment.

MECHINERY MAINTENANCE

The standard procedure followed for service and maintenance of equipment/machinery is as follows

- 1.If the equipment/machinery is to be serviced during the warrantee period, the supplier of the equipment/machinery will be intimated about the repair and it will be serviced either in-house or in the supplier premises based on the nature of defect.
- 2.After warrantee period if the equipment/machinery demands service, the technical staff attached to the respective laboratories service the equipment/machinery to the extent possible.
- 3.If not, identify the persons outside the organization who repair the equipment, if necessary contact the supplier of the equipment.
- 4.If no spares are required to purchase for repairing the equipment, the equipment is repaired immediately.
- 5.If spares are required then a proposal is sent to the purchase in charge through concerned HOD.
- 6.After the items are purchased the equipment will be repaired by the individual concerned.
- 7.The remuneration bill (cost of Maintenance) will be sent to the accounts department through proper channel.

LABORATORY MAINTENANCE:

Lab technician checks the working condition of the equipment on daily basis and every day cleaning of equipments and work tables are done by the lab assistants.

Floor cleaning done on daily basis by housekeeping department of the college and floor mopping of labs are done twice in a week by housekeeping department of the college.

- 1.Regular Upkeep and maintenance of equipment as well as repair of equipment is important for proper functioning of any engineering laboratory. As soon as the complaint is received with details, (including Guarantee Period etc.) following procedure is followed.
- 2.If the equipment/machinery is to be serviced during the warrantee period, the supplier of the equipment/machinery will be intimated about the repair and it will be serviced either in- house or in the supplier premises based on the nature of defect. After warrantee period if the equipment/machinery demands service, the technical staff attached to the respective laboratories service the equipment/machinery to the extent possible. If repair cannot be done by technicians of institution, then it is repaired by the persons outside the organization. If no spares are required to purchase for repairing the equipment, the equipment is repaired immediately.
- 3.If spares are required then a proposal is sent to the purchase in charge through the concerned HOD. After the items are purchased the equipment will be repaired by the respective person. The remuneration bill (cost of Maintenance) will be sent to the accounts department through proper channel.

CENTRAL LIBRARY

Procurement and Stocking of Books:

- 1.The order list shall be prepared on the basis of suggestions recommendation of the faculty members and students
- 2.The list shall be forwarded to the Principal for approval with necessary changes. After the

approval of the same is forwarded to Library for procurement.

3. The books are purchased by librarian from the supplier. An inspection activity will be carried out by librarian to check quantity, Title, Author, etc, as per the invoice.
4. The books received by the librarian are entered in the Accession Register.
5. After the completion of entry in the accession register, due date slip, numbering shall be pasted on internal title page of the book.
6. If any books are found missed by student / faculty, the cost of the book will be recovered from them.

SPORTS:

The sports committee conducts timely meetings to discuss budget proposal, conduct of Intramural and Inter collegiate tournaments for each academic year. The order is placed with prior approval of the concerned authority.

The sports related materials are issued to the students by maintaining an issue/return register which reflects the utility and demand of the items along with the student interests. Subsequently it facilitates the proposals to be made for the next academic years. The Students who are selected for the college teams of various events are provided with uniform to participate in the same. Equipment related to various physical activities and sports are updated on a regular basis. The up keeping of the sports items is done in an efficient way through regular monitoring using required work force. This includes all the sports facilities like Gym, Cricket ground, Tennis, Volleyball, Basketball courts etc.,

Repairs and Maintenance of Computer / Network (LAN) / Projector / UPS / Wi Fi :

Service / repair request is placed through M.I.E.T. IT Support Team,

1. The request will be processed by In-charge, M.I.E.T. IT Support Team.
2. Appropriate personnel will be allotted to take up the service / repair work by the in charge.
3. Service request status can be checked through the same system.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1

Average percentage of students benefited by scholarships and freeships provided by the Government during last five years

Response:

5.1.1.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

2019-20	2018-19	2017-18	2016-17	2015-16
1172	1345	1601	1596	1194

File Description

Document

upload self attested letter with the list of students sanctioned scholarship

[View Document](#)

Upload any additional information Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years (Data Template)

[View Document](#)

5.1.2

Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years

Response:

5.1.2.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

2019-20	2018-19	2017-18	2016-17	2015-16
280	334	461	474	509

File Description	Document
Upload any additional information	View Document
Number of students benefited by scholarships and freeships institution / non- government agencies in last 5 years (Date Template)	View Document

5.1.3

Capacity building and skills enhancement initiatives taken by the institution include the following

- 1.Soft skills**
- 2.Language and communication skills**
- 3.Life skills (Yoga, physical fitness, health and hygiene)**
- 4.ICT/computing skills**

Response:

File Description	Document
Details of capability building and skills enhancement initiatives (Data Template)	View Document
Any additional information	View Document
Link to Institutional website	View Document

5.1.4

Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years

Response:

5.1.4.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
1180	1177	1170	1167	1122

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document
Any additional information	View Document

5.1.5

The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

- 1.Implementation of guidelines of statutory/regulatory bodies**
- 2.Organisation wide awareness and undertakings on policies with zero tolerance**
- 3.Mechanisms for submission of online/offline students' grievances**
- 4.Timely redressal of the grievances through appropriate committees**

Response:

File Description	Document
Upload any additional information	View Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document
Details of student grievances including sexual harassment and ragging cases	View Document

5.2 Student Progression

5.2.1

Average percentage of placement of outgoing students during the last five years

Response:

5.2.1.1 Number of outgoing students placed year - wise during the last five years.

2019-20	2018-19	2017-18	2016-17	2015-16
222	353	414	413	406

File Description	Document
Upload any additional information	View Document
Self attested list of students placed	View Document
Details of student placement during the last five years (Data Template)	View Document

5.2.2

Average percentage of students progressing to higher education during the last five years

Response:

5.2.2.1 Number of outgoing student progression to higher education during last five years

Response: 78

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education (Data Template)	View Document
Any additional information	View Document

5.2.3

Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)

Response:

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, etc.)) year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
0	3	1	6	5

5.2.3.2 Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
0	3	1	6	5

File Description	Document
Upload supporting data for the same	View Document
Number of students qualifying in state/ national/ international level examinations during the last five years (Data Template)	View Document
Any additional information	View Document

5.3 Student Participation and Activities

5.3.1

Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national / international level (award for a team event should be counted as one) during the last five years.

Response:

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) year-wise during the last five years.

2019-20	2018-19	2017-18	2016-17	2015-16
5	10	3	1	1

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national/international level during the last five year	View Document
e-copies of award letters and certificates	View Document
Any additional information	View Document

5.3.2

Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities following duly established processes and norms (student council, students representation on various bodies)

Response:

The primary objective of the College is to become a center of excellence in Technical Education through imparting Technical, Ethical and Professional skills for meeting the diverse needs of the Society. Adequate representation is given to the students in the co-curricular, extracurricular activities of the college and optional representation at the administration level. Students are involved in organizing most of the co-curricular activities such as symposium, club activities, Celebration of national important functions and cultural events.

Our Institution has the following International and National professional society student chapters in which students are office bearers. **Society of Automotive Engineers (SAE), Institution of Electronics and Telecommunication Engineers (IETE), Computer Society of India (CSI)**, functions effectively to showcase and expose the variety of talents and skills. Students are actively involved in the core committees like, Department Association programs, Magazine and Newsletter preparation, Class Committee and Sports Committee. During fresher's day Programme, the students are informed about the functioning of various clubs and committees in the college.

NSS is another source of outlet to engage and represent students in administrative, curricular and extracurricular activities. The NSS Unit of M.I.E.T. starts its function from the early 2000 and unit is approved and funded by the affiliating university. Every year the unit actively engage in various social activities with student volunteers mentored by a senior faculty member as program officer. The Expenditure towards the activities of the unit is shared by the NSS Cell of Anna University and the Management of M.I.E.T. Engineering College, nearly 100 Students are benefitted every year through this programme. Tree plantation, Swatch Bharat activities, Traffic awareness, Eye Camps, Blood Donation Camps, and Providing Computer Education to rural Panchayat Union Schools are some of the regular activities of our NSS Unit.

Sports and games also paves way for the students to develop their administrative and team skill. M.I.E.T. facilitates its students to participate in various sports activities from institute level to university level and district to national level. The department of physical education headed by a Physical director closely monitor the sports activities and coach the students in various indoor and outdoor games of their interest. The College provides all the financial assistance for the students to take part in inter/Intra University games and as a result of that M.I.E.T. regularly bags 20 awards/medals since 2015 in the university level competitions.

Students' representation plays a vital role in the class committee (the committee constitutes for the purpose of addressing the academic problem and evaluating the teaching and learning process) in evaluating the teaching skills of a teacher and provides better solution for the academic issues involved in a class. They also propose to optimize the resources for their needs thereby chances are offered to the students to take part in the administrative system emphasizing participatory management. Department association activities and magazine and newsletter preparation committee are some of the other forums providing opportunities for the students to expose their leadership qualities.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

5.3.3

Average number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response:

5.3.3.1 Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
51	47	48	38	26

File Description	Document
Upload any additional information	View Document
Report of the event	View Document
Number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions (Data Template)	View Document

5.4 Alumni Engagement

5.4.1

There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Response:

The Alumni association of M.I.E.T. Engineering College was formally inaugurated on June 22, 2014 in the presence of Er.A.Mohamed Yunus, Chairman, M.I.E.T. Institutions. So for six alumni meets were organized and the turnout of members for each meet was remarkable and the alumni present during those meetings guide the present students to a great extent towards higher education and employment. The alumni association of M.I.E.T. acts as a bridge between the students and the industry by providing

frequent interactions with industrial personals for getting internships, projects and even sometimes referring for employment. Some of the alumni made monitory contributions which accounts a sum of rupees 5,56,000 -/ for the past five academic years. The alumni association should be made more vibrant and active in the days to come for better contribution in terms of knowledge and wealth for the betterment of the institution.

The alumni association of the institution was reconstituted in April'2021 with 11 executive committee members and the Executive committee framed bye-laws of the association. The alumni association is formally registered under registration of Society's Act in the district Registrar's office in Tiruchirappalli in the name and style of "M.I.E.T. ENGINEERING COLLEGE ALUMNI ASSOCIATION".

Summary of Alumni Association Meet

By convention, every former student is a member of Alumni Association and Alumni Meet is being organized during every year. The details of already organized alumni meets are given in the following table.

Sl.No	Academic Year	Date of Alumni meet	Venue	Number of Alumni Attended
1	2019-2020	05.01.2020	M.I.E.T., B-Block Seminar Hall	206
2	2018-2019	27.01.2019	M.I.E.T.,C-Block Auditorium	31
3	2018-2019	04.082018	M.I.E.T., Auditorium	54
4	2017-2018	08.07 2017	M.I.E.T., Auditorium	104
5	2016-2017	30.10 2016	M.I.E.T., B-Block Seminar Hall	28
6	2014-2015	22.06 2014	M.I.E.T., Auditorium	78

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

5.4.2

Alumni contribution during the last five years (INR in lakhs)

Response:

File Description	Document
Upload any additional information	View Document
Link for any additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1

The governance of the institution is reflective of and in tune with the vision and mission of the institution

Response:

The Mohamed Institute of Education and Technology (M.I.E.T.) Society, founded by Er. A. Mohamed Yunus during the year 1984 offers a high quality holistic education in an underdeveloped rural and semi-urban region of Tiruchirappalli, Tamil Nadu. The society members include leading Industrialists, Educationists and Philanthropists.

M.I.E.T Engineering College was established by the M.I.E.T Society, Tiruchirappalli in the year 1998 with an objective to promote the cause of higher education. The College is affiliated to Anna University, Chennai and it is recognized as a Muslim Minority Institution.

The serene vast campus vibrant with aesthetic bliss in an exhilarating convenient location is well connected by road, rail and air. The eco-friendly ambience creates and bestows a healthy learning atmosphere. A team of qualified, experienced, versatile and efficient faculty members mould the students diligently in ethical, moral and academic aspects. Active tutorial and Advisory services are extended to the students to inculcate and harness managerial acumen, knowledge assimilation and respect for human national values with uncompromised discipline.

A spacious digital library is an epitome of knowledge to imbibe the reading habit with vast collection of Books, Newspapers, National & International Journals, Magazines, and reference books, Encyclopedia, World of science, ASM hand books and course materials. E-learning through NPTEL video lectures by NIT and IIT Professors is available. Training and Placement Cell works meticulously to improve life skills and employability by unleashing the latent potential of the students to confront the global challenges.

The Research and Development Cell provides ample opportunity and scope for research with abundant resources. Excellent Play grounds, Indoor games and Gymnasium facilities are made available to promote pioneer triumphant champions in the field of sports. The College Hostel is a home away from home which provides comfortable and happy stay with all amenities.

The governance is reflected by effective leadership of various decision making bodies in tune with the vision and mission of the institution. Based on the mission, vision and quality policy, the institute plans its short term and long term goals. Decisions involving policy making, proposals of new courses and budget allocations are made by the chairman with the advice and recommendation of Governing Council members. Other activities related to academics, co-curricular and extra-curricular activities are approved by Principal in concurrence with the concerned department heads. Since the management believes in team work, participation of employees at every level in all the academic and non academic activities of the institute are completely monitored.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.1.2

The effective leadership is visible in various institutional practices such as decentralization and participative management

Response:

Decentralization

The institution decentralizes and delegates its powers to the Heads of the Departments in all the academic endeavours and they are monitored by the Principal, the academic head of the institution.

Participative management

The college promotes a culture of participative management and encourages the involvement of students, faculty members and other stakeholders with specific roles by delegating authority at various levels and provides operational and financial autonomy to the departments and other units of the institution to work independently with the active participation of faculty members, staff and students.

All the programs were organized and conducted by various committees which work for a specific purpose but toil together for the successful completion of the event.

Principal:

- Governed by the rules & regulations of the M.I.E.T. Engineering College, from time to time.
- Responsible for the academic excellence of the institution and placement of students.
- Responsible for faculty co-ordination, development, students discipline, sponsored projects and such other institutional development initiatives.
- To consult with the Chairman on the new proposals and projects and get his approval for improving the academic performance of the Institution.
- To carry out the instructions/decisions taken by the Governing Council and Society from time to time.

Vice Principal:

To assist with all the academic activities with the head of the institution.

Head of the Department:

- As per the direction of the management and the academic planning of Principal, assigns academic and administrative duties to teaching and non-teaching staff of the Department.
- To co-ordinate with the teaching and non-teaching staff of the department for smooth functioning

of academic, co-curricular and extracurricular activities of the department.

The committees at college level are listed below

- Governing council
- Academic Council
- Grievance and Redressal Committee
- Anti – Ragging Committee
- Discipline and welfare committee
- Women Empowerment Committee
- Minority Cell
- Internal Complaint Committee
- SC/ST committee
- Internal quality Assurance Cell
- Department Assessment Committee

CASE STUDY:

The College has a student’s Grievance and Redressal Committee which functions to look into the complaints lodged by any student, and judge its merit. Anyone with a genuine grievance may approach the Grievance Redressal Committee members in person. In case the person is unwilling to appear in person the grievances may be sent in writing or also be sent through e-mail to the officer in-charge of Students Grievance Redressal Committee or Principal.

A registry to register the compliant is established and kept in the Principal office under the Supervision of Principal. On receipt of the Compliant, the staff in-charge of the registry will submit the same to the convenor of the “Grievance Redressal Committee.

In the case, the complainant not satisfied with the decision of the Committee, they may send their appeals to the “OMBUDSMAN”. The OMBUDSMAN will fix a date for hearing the Complainant which shall be communicated to the Institute and the aggrieved person. In case of any false/frivolous Complaint, the ombudsman may order appropriate action against complainant.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.2 Strategy Development and Deployment

6.2.1

The institutional Strategic / Perspective plan is effectively deployed

Response:

The Institution has well defined perspective plans and the deployment documents are available.

The institute has a perspective plan in tune with the vision and mission of the college. Perspective plan is developed on considering inputs from various stakeholders.

Perspective plan

- Academic performance of the students
- Placement
- Students progression to higher studies and entrepreneurship
- Accreditation and ranking
- Industry Institute Interaction
- Infrastructure development

CASE STUDY:

NBA accreditation process and deployment

Accreditation by NBA to three of our programs (Mech, EEE and CSE) is a successful implementation of perspective plan.

Upon the recommendation of IQAC, the following areas are implemented significantly.

- Teaching-Learning process
- Research & Consultancy
- Faculty development
- Students and Society

Teaching-Learning Process:

Each department has developed the Programme Educational Objectives, Programme Specific Outcomes and Programme Outcome on looking at the vision and mission of the Institution/Department. Mapping of COs and POs/ PSOs has been practiced and attainment has been calculated. The outcome based education (OBE) has been meticulously practiced.

Regular internal and external Academic Administrative Audit (AAA) is conducted in a regular frequency by the IQAC. The observation of the audit is discussed in the meeting and suitable remedial action is initiated from the IQAC.

Research & Consultancy

As per the recommendations of IQAC more number of Ph.D holders have been inducted in the institution. Students are encouraged to work with innovative projects. A few projects have received the grants from the government.

Faculty Development

Faculty members are encouraged to update their knowledge by sponsoring them for conferences, FDPs,

Seminars and workshops organized in the premier institutions. Through ICT academy, institution has organized many FDPs and online courses to teaching fraternity and students

The institution has charted out strategic plans for overall development with constant upgradation of all areas including teaching-learning, Research and Development and Consultancy services.

The institution has established a separate R & D Cell including all the senior professors and faculty members with Ph.D. qualifications as members. They are encouraged to submit research proposals for grants from various Government funding agencies.

The Institution aims to ensure that the students benefit from a high quality learning environment that includes spacious classrooms, well-equipped laboratories, state-of-the-art computing facilities, smart class rooms, seminar halls, auditorium, sporting facilities with indoor and outdoor complexes, feel at home hostel accommodation facilities and facilities for on-campus training and placement.

Students and Society

To link the bondage between students and society, many extension activities have been conducted. Students are encouraged to participate in the social services. A few of the extension activities where our students contribute to the society; are Helmet Awareness, Water Conservation and Blood Donation Camp etc

The institution has a perspective plan for development which was coined by the Principal and approved by the Governing Council.

File Description	Document
Upload any additional information	View Document
strategic Plan and deployment documents on the website	View Document
Paste link for additional information	View Document

6.2.2

The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules and procedures, etc.

Response:

ADMINISTRATIVE SETUP

Administrative setup is having Administrative officer, Accounts officer, Coordinators of various bodies and supporting department in-charges.

Administrative Officer:

- Incharge for all administrative related activities.
- Submission of reports for AICTE/DOTE/Anna University.
- Liaison work with Government, Non-Government agencies and statutory bodies.

Accounts Officer:

- Accounts Officer is to maintain the institutional accounts,
- Fees collection, payments, maintains vouchers and books of accounts, records, and Scholarship
- Revenue, capital budgeting and monitoring
- Regular auditing and tax details

FUNCTIONS OF INSTITUTIONAL BODIES

IQAC:

The prime task of the IQAC is to develop a system for conscious and consistent improvements in the overall performance of the institution

- Planning of academic activities,
- Monitors the academic activities,
- Assessment audit and analysis
- Implementation and analysis of activities,
- Ensuring quality in all the institutional processes, etc.

Outcome: Ensuring the quality in Institutional Activities

Governing Council

- The Governing Council of the college is the supreme administrative body. It is constituted as per the norms fixed by AICTE, New Delhi /Anna University, Chennai.
- The Governing Council approves the mission and strategic vision of the institution, long term business plans and annual budgets in accordance to meet the interests of the stakeholders.
- Governing Council monitors the institutions performance as per the plans approved.
- The Governing Council ensures the achievement of the mission and vision of the organization; Promotion of future academic plans and research activities by providing direction of implementation and overall monitoring of the activities.
- Governing Council has to approve the budgetary allocation towards infrastructure, staffing and R & D.

Outcome: Ensuring the right direction to the institution

Academic council

- The academic activity of the institute is supervised by the Academic Council headed by the Principal & all heads of the departments as its members.
- The Council as and when required discusses the academic performance and to take decisions on critical academic matters. The minutes of the meeting is forwarded to the Management.

- The salient points of the Academic Council are made as agenda for the Governing Body.

.Outcome: Ensuring the quality of teaching learning process

Women Empowerment Committee

The committee has been constituted to raise the status of women through education, and training. By this they will be equipped to make life-determining decisions through the different problems in society. The committee creates a platform where women will have access to health care, career and vocational training, employment and safety measures through its various programmes.

Outcome: Empowering women.

Grievances Redressal Committee

- Monitors and resolves the grievances of teaching and non-teaching staff members, and students.

Outcome: Periodically satisfy the grievances in all the levels.

Anti-ragging Committee:

- It eliminates ragging inside the campus.
- It maintains discipline inside the campus.

Outcome: Ensuring ragging free campus.

File Description	Document
Upload any additional information	View Document
Link to Organogram of the Institution webpage	View Document
Paste link for additional information	View Document

6.2.3

Implementation of e-governance in areas of operation

- 1.Administration**
- 2.Finance and Accounts**
- 3.Student Admission and Support**
- 4.Examination**

Response:

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

6.3 Faculty Empowerment Strategies

6.3.1

The institution has effective welfare measures for teaching and non-teaching staff

Response:

The institution has effective welfare measures for teaching and non-teaching staff to improve the goodwill of the institute among its employees. Welfare measures include various facilities, services and amenities provided for improving their academic and career growth, health, efficiency, economic betterment and social status. The welfare measures facilitated in our institution are

Teaching staff

- Accident Insurance
- Cash amount during Diwali festival.
- Fees concession to the wards.
- Free medical consultation by the doctor /physician.
- First aid and 24x7 ambulance service.
- Twenty days on duty to establish reputation in other institutions.
- Twelve days casual leave in a year.
- 40 days vacation.
- 5 days leave with pay for marriage.
- Cash incentives for authoring books and publications in referred Journals/Patents and reputed conferences.
- Organizing orientation program in every academic year.
- Awards and rewards for meritorious work
- Maternity leave/Paternity leave

Non teaching Staff

- 20 days vacation per year
- Gift during festival (dress material)
- Concession in dispensary
- Free medical consultation by the resident doctor
- First aid and 24x7 ambulance service

- Maternity leave
- Employment provident fund
- Accident Insurance

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.3.2

Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response:

6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
87	75	65	65	54

File Description	Document
Upload any additional information	View Document
Details of teachers provided with financial support to attend conference, workshops etc during the last five years	View Document

6.3.3

Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response:

6.3.3.1 Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
18	12	16	14	14

File Description	Document
Upload any additional information	View Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres)	View Document
Reports of Academic Staff College or similar centers	View Document
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff	View Document

6.3.4

Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).

Response:

6.3.4.1 Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
75	69	65	80	74

File Description	Document
Upload any additional information	View Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View Document
IQAC report summary	View Document
Details of teachers attending professional development programmes during the last five years	View Document

6.3.5

Institutions Performance Appraisal System for teaching and non-teaching staff

Response:

A comprehensive and a well-designed faculty appraisal system is in existence and followed at M.I.E.T. to appraise the faculty members through students feedback, University Examination Results and their Attitude, Involvement, Commitment and Achievement. The faculty members are appraised against factors such as student feedback, University Examination results, commitments, Attitude and achievement in the sphere of non academic secretarial activities. They are assessed in terms of their participation in Faculty improvement academic programmes and sharing of the acquired knowledge with other members of the faculty. They are also evaluated in respect of peer group interaction. At the end of every semester self -appraisal report is obtained from the each faculty member.

A faculty member performance is assessed on the basis of his classroom teaching, teaching methodology, presentation techniques, communication skills, syllabus coverage, conduct of periodical tests, discussion of answer scripts in respect of any mistakes made by the students and effective guidance. The faculty is evaluated in terms of the marks scored by the faculty against the overall marks allotted for the various criteria. The outcome of assessment will manifest in the grant of annual increment, incentives given and the promotion offered to the faculty members. The performance appraisal system helps in enhancing their performance, in bettering their professional growth and in contribution of the institutional growth.

The faculty appraisal process assures personal growth as well as Institutional achievement. The self-appraisal form from an individual faculty helps in exploring his teaching and research capabilities. His/Her sociability with other faculty members will expose him to peer group pressure and inspire him/her to introduce innovation and students-friendly activities. The students feedback and the HOD evaluation will enable the teacher to introspect his strengths and weaknesses and effect to suitable remedial measures.

Students needs are assessed from their feedback which will bring about changes in the pace of his teaching, methods of teaching, provision of lecture notes and extraclass hour works. Special classes are offered in order to address their requirements. The research potential of the teacher is augmented by encouraging them to carry out R&D project and to apply for short- and long-term research projects. The faculty members are allowed to present paper both in national and international seminars and organized seminar, workshop and Inter Collegiate symposiums. The faculty members are incentivized by the management to organize inter- collegiate, national and international seminars and to present paper in journal by way of OD facilities and cash awards.

Faculty members are assessed by HOD and Principal by the way of their knowledge of the subject, their delivery, their confidence and the communication skills with which their lecture will be taken into account for promotion, offering increments and continuation of service. These measures will go a long way in obtaining a good result, in strengthening the confidence of students and in getting good placements in various industries to improve the overall image of the institution.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1

Institution conducts internal and external financial audits regularly

Response:

Our M.I.E.T. society has maintained a very transparent financial system in the institution. There are well defined processes for sanction of budget to expenditure. An internal approval for all expenses is in place. Accordingly bill/Voucher is recommended by the Head of the Department and approved by the Principal and Honorary secretary of M.I.E.T. Society. All the bills/vouchers are audited by an Internal Auditor on a routine basis. Proper record of all the expenses is maintained by the accounts department.

An external auditor appointed by the society, executes the statutory audit. Statutory financial audit is conducted in two sessions, one in the month of October/November for the period of April to September and second in the month of April/May for the period of October to March. Finalization of the account is completed in June/July and audited statements are prepared in June/July duly signed by the senior accountant officer and chartered accountant. Finally, audited statement and accounts for every financial year is generated to comply statutory norms by the auditor. No major objections are found in the audit by the statutory auditors and minor audit suggestions are complied as per procedure.

A financial audit is an independent, objective evaluation of the Institution's financial reports and financial reporting processes. The primary purpose for financial audits is to give Management, Principal and HODs reasonable assurance that financial statements are accurate and complete. Internal financial auditors are Institution employees while the external auditors work from an outside audit firm.

Internal Audits

All the internal transactions are audited by the audit team at institutional level. The institution conducts internal finance audit regularly: payments, receipts and accounting on daily dealings carried out by the Senior Accountant such as,

- Payroll statements along with the attendance registers are verified on monthly basis
- Fees receivable statements are verified with the books of account.
- Purchase of grocery for Hostel mess.
- Audit on income and expenditure towards the events such as seminars, workshops, conferences, value added courses, sports and games etc.
- Remuneration and gifts to invited speakers, experts, juries of the events etc.
- Purchase of instruments/ equipments, computers, stationeries, books etc.
- Maintenance of accounts towards construction, computer, lab equipments, landscape, hostel & mess, transportation etc.

External Audits

External Audit is regularly conducted on an annual basis by the statutory auditors of the Trust. At the end of Financial Year annual accounts statement viz., Balance sheet, receipt & payment and income & expenditures are forwarded to the External Auditor for final auditing. The audit of accounts and

submission of income tax return are being carried out every year and the documents are audited by the Auditor of the college Mr.N.Venkatanarayanan.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.4.2

Funds / Grants received from non-government bodies, individuals, philanthropers during the last five years (not covered in Criterion III)

Response:

6.4.2.1 Total Grants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

File Description	Document
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the last five years	View Document

6.4.3

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

Response:

Mobilization of funds

The major source of income for the college is through fee collection. The society takes care of the capital expenditure on infrastructure and functional expenditures. Proper utilization of financial resources is planned at the beginning of every academic year. Finance department is responsible for mobilization of funds through collection of tuition fees.

Fees Collections

Students are admitted as per the Tamil Nadu Government policy prescribed for Higher Education norms by admitting 65% (or more) of students through Anna University Counselling (TNEA) and 35% (or less) through Consortium of Self Financing Professional, Arts and Science Colleges in Tamil Nadu. The later category of students is admitted with the fees higher than Government Quota students fixed by the fee fixation committee.

Term Loan and Hire Purchase Loans

The Institution is getting above Loans from Indian Bank with reduced rate of interest by maintaining the liquidity, DSCR (Debit service coverage ratio) and Debt Equity Ratios which are sound and the Loans are availed.

Utilization of funds

The annual budget of each department is prepared by the respective HoDs, in consultation with their faculty members in the template circulated by the Principal. HoDs present the budget of their department with explanation of each item to the principal. After careful scrutiny of the requirements of every department, an overall budget is prepared and submitted to the chairman. The Principal may seek a revised budget, if necessary, from the department concerned. Once the budget is approved by the chairman, all the HODs can approach the principal to purchase their requirement.

Infrastructural development facilities and Building construction works

The management allocates a budget to create and upgrade the infrastructural facilities based on the cost of construction work. Loans received from banks are judiciously utilized for the same.

The Institution purchases new vehicles as per student strength, through hire purchase loans from banks and loans are repaid with reduced rates of interest from the reasonable transport charges collected from the students.

Research and project activities

Knowledge is generated and applied in new innovations and technologies which in turn shall be utilized to enhance the quality of socio-economic and environmental conditions of society. The institution is committed to provide excellence in research. The institution has executed many Research and Development projects. Grants from Government and non-Government bodies, and from institutions and industries are the major source of fund for R&D activities.

Seminars, Conferences and Faculty Development Programmes and other co-curricular activities:

The institution organizes the above said events regularly matching with the latest technology, innovations, research, changes and needs for the society. These events are conducted from the funds received/granted from the Professional bodies and the funding agencies

Green Atmosphere

A judicious utilization of fund facilitates the fair-green atmosphere. Enough care is taken to maintain cleanliness in the campus. Funds received from various agencies are audited by the Auditor Mr. N.

Venkatanarayanan	
File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.5 Internal Quality Assurance System

6.5.1

Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

To impart quality education to students and to maintain an effective teaching learning process, quality assurance cell has been formed.

Quality Assurance Strategies

- To provide a sound basis for decision making and to improve institutional functioning.
- To the enhancement and integration among the various activities of the institution and institutionalize many good practices.
- To act as a monitoring body in the institution and regulate academics and administration processes.
- To impart quality education to students that fosters employability, research and development.
- To produce engineers of high quality and ethics to the society to meet the industrial needs and Standards.

Quality Assurance Processes

- At the beginning of every academic year, an academic calendar for every semester is prepared and circulated to all concerned.
- The technical subject has been allocated for the department staff members based on their willingness and without any controversy.
- The time table has been allotted as per standard centralized procedure.
- Technical seminars, guest lectures, industrial visit, and value added courses are conducted as per the academic calendar plan.
- Students feedbacks have also been scheduled periodically and collected in time.
- Based on the feedback from students, faculty members have been directed properly by the Principal to overcome the issues.
- Periodic Academic and Administrative Audits are conducted by the IQAC.
- Orientation programmes are organized every year for the young and newly joined faculty

members to adapt themselves to the systematic process of the institution.

- Internal assessment tests are periodically conducted as specified in the academic calendar by the centralized examination system.
- Question papers are set as per the Blooms Taxonomy level and approved by the DAC and IQAC members in the department level.
- At the end of the examination the absentees are monitored and counselled by the faculty members. Course end survey is conducted at the end of every course, to assess the performance level of teaching learning process in each subject.

CENTRALISED EXAMINATION SYSTEMS

Conducting regular Test

The IQAC focuses on the continuous improvement of the examination system for the students by conducting Cycle/ Model test as per the University pattern.

Introduction of two question papers per course, incorporating revised levels of Bloom's Taxonomy:

The IQAC focuses on the continuous improvement of the evaluation system for the students. There is a centralized examination cell to conduct the term cycle tests and model examination (Cycle test for a period of 1hour and 30 minutes for 50 marks and the model examination for a period of 3 hours for 100 marks).

The examination cell has been functioning effectively by planning the tests in advance and collecting the question papers in time. The faculty members teaching the courses prepares two question papers for each course and hand over the same to the examination cell. The question papers are prepared based on the different levels of Bloom's Taxonomy.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.5.2

The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

(For first cycle - Incremental improvements made for the preceding five years with regard to quality

For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives)

Response:

The main objective of IQAC is to ensure quality assurance of academics and administrative works and reviews **its teaching learning process outcomes at periodic intervals** for the growth of the institution.

IQAC of the Institution has brought the following **Structures & Methodologies** of institutional reviews and implementation of teaching learning reforms.

Outcome-Based teaching learning Education

IQAC has implemented a structured feedback mechanism for analyzing the effectiveness of the outcome based teaching through

1. Mentoring

2. Formal and informal feedback from the students (Class Committee Meeting)

3. Academic auditing

- During the commencement of every semester of the academic year the subjects are allocated to the faculty members based on their expertise, willingness and lecture notes are prepared well in advance by the concern faculty member.
- Course file consists of syllabus, Lesson Plan, Lecture notes, previous Year University Question papers, Assignment details and question bank are submitted to HODs and are evaluated by the IQAC committee.
- Lab manuals with Standard Operating Procedure are prepared by the faculty members in charge of respective laboratories and are kept for reference to the students.
- Concurrent audit is carried out by the committee after completion of every assessment and suggestions are forwarded to IQAC for effective implementation of quality assurance.
- Mentors are assigned with a batch of 15-20 students and the assigned mentors meet the students during mentor hour scheduled in the timetable and counsel them for academic progress and on personal issues.
- Class committee meetings are conducted with Chairperson, faculty members and student representatives after the Assessments and performance of the students are reviewed.
- Remedial classes are conducted for the slow learners during evening hours based on their performance in continuous assessments conducted. Motivational classes are conducted for fast learners to cope up their academic credit in their own expertise.

The Co-curricular activities are evaluated by IQAC to ensure the quality in curriculum enrichment. Model theory and practical examinations are conducted and evaluated by the committee. Assessment marks along with attendance particulars are uploaded in the University web portal for Continuous Internal Evaluation. University Examinations for theory and practical are conducted by the affiliating University and the results are analyzed for further course of action taken for improvement. Academic audit is conducted by IQAC and evaluation input is submitted and analysed for the improvement of teaching learning process.

Outcome Based Education (OBE)

Outcome Based Education (OBE) is a student-centered instruction model that focuses on measuring student performances through outcomes. The Program Outcomes, Program Specific Outcomes and Course Outcomes are well defined. It focuses on measuring student performance i.e. outcomes at different levels based on Blooms Taxonomy (BT). Training in Blooms Taxonomy is done to upgrade the teaching skills and formulation of question papers. Three Internal Assessment (IA) tests are conducted to evaluate the academic performance of students. IA 1 will be covering Course Outcome (CO) 1 & 2, IA 2 will be covering CO3&4 and IA 3 will be covering CO 5. The course outcomes of each course are mapped with Program Outcomes at various levels viz High level correlated (3), Medium level correlated (2) and low level correlated (1). Every department conducts meetings with various stakeholders, feedback and suggestions are taken and curricular gaps are identified from the meetings. Learning levels of the students are assessed based on their performance in internal and university examinations. The slow learners are arranged with special classes during evening hours and advanced learners are motivated to attend Seminar, Workshop, Paper Presentation and Project presentation in other Institutions. Subject wise CO attainment level is calculated by adding 20% of the final internal assessment attainment level and with 80% of end semester examination attainment level for each subject. Thus, the average percentage of students attaining the entire COs decides the CO attainment level.

Academic Auditing

Objectives

To ensure the effectiveness in course delivery assessment methods, attainment of COs and POs are properly monitored.

Structure of Academic Audit

Academic IQAC audit are conducted to assess the academic process towards the attainment of COs & POs and to improve the teaching-learning process. Internal audit is conducted by a team of members comprises of senior faculty members of other departments. IQAC facilitates the audit format to the auditing team. Once the IQAC completes the audit formalities, the report is discussed with the respective HOD and one week time frame is given to the respective department to ratify the mistakes. Upon the ratification, the report is submitted to the IQAC and gives suitable recommendations for improvement.

Documents audited are

- Timetable & individual faculty timetable, students name List.
- Minutes of Class Committee Meetings.
- Faculty Log Book and Attendance registers.
- Course file and learning materials.
- Sample copy of internal answer papers.
- Consolidated mark statement.
- Sample of Assignments, Seminar presentation, case study etc.
- Project (Mini-project / Final semester project) progress review reports.
- Details of Value added courses with feedback and remedial Measures/Remedial classes/ Bridge courses/ Extra classes handled by the faculty members
- Consolidated semester result analysis and audited stock book.

Once the IQAC completes the academic audit, the report is discussed with the HoD of respective

department for observation and the report is submitted to the IQAC, gives suitable recommendations for improvement.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.5.3

Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements**
- 2.Collaborative quality initiatives with other institution(s)**
- 3.Participation in NIRF**
- 4.any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

Response:

File Description	Document
Upload e-copies of the accreditations and certifications	View Document
Upload details of Quality assurance initiatives of the institution	View Document
Upload any additional information	View Document
Paste web link of Annual reports of Institution	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1

Measures initiated by the Institution for the promotion of gender equity during the last five years.

Response:

Women play a vital role in uplifting her family, society and nation as well. However, the discrimination against women is significantly felt in the modern era also. Their potential is well understood in the recent decades. Even then, the percentage of participation in all walks of life is not equally felt. They fairly need opportunities, support and above all freedom to climb up and reach gender equality.

M.I.E.T Engineering College provides exclusive student service centre (with concession) and ambulance for girl students to give special medical attention to them. Also Our college is organizing a series of programs to make them realize their strengths to feel on par with male gender, to understand their ability in taking decisions and to take care of their welfare. The College encourages girl students by organizing many gender equity programs and motivates them in their education and career. Also the Institute encourages and organizes many events like Women's day, Women empowerment program, Sports for women. The institute ensures the active participation of the students in these events and their wellbeing. Women's day is the day when women are recognized for their achievements. On this day girl students of our college are encouraged and motivated with speeches by successful women from various sectors and are given guidance for finding the right path. In our college, every year International Women's day was organized on 8th March, at Our College Auditorium headed by Chairman, Principal and Faculty members. Around 400 girl students and female faculty members use to enthusiastically participate in the event.

Our college organizes exclusive "Girls Hostel Day" every year. On this day, a cultural program is organized which is followed by Lunch and Dinner completely arranged by the inmates of the girls hostel. Cultural event includes music, singing, dance, rangoli etc., and the winners in each event is awarded by prizes while the others receives the participation certificate.

Self defense programs are conducted by our college to ensure safety and security of women students and faculty members. Our college is more safe and secure as it has video surveillance systems functioning at strategic locations inside the campus which is being continuously monitored by dedicated personnel. Besides security cameras, the institute also has well trained security guards, who take care of the facility by checking the identity of the person before letting them in, ensuring that students have their identity cards and constantly moving around the campus to check for any hazards to be reported to the higher authority.

Efforts taken by the Institution to promote Gender equity are,

- Subsidized hostel fee for girls
- International women's day celebration
- Women empowerment programs
- Exclusive women sports

- Hostel Day cultural programme
- Self defence program
- Entire campus is under CCTV surveillance
- Security guards at prominent places
- Anti sexual harassment committee
- Anti ragging committee
- Vibrant women empowerment cell
- Well-furnished Common room
- Counselling through trained counsellors

File Description	Document
Link for annual gender sensitization action plan	View Document
Link for specific facilities provided for women in terms of: a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	View Document

7.1.2

The Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar energy
2. Biogas plant
3. Wheeling to the Grid
4. Sensor-based energy conservation
5. Use of LED bulbs/ power efficient equipment

Response:

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

7.1.3

Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- Solid waste management
- Liquid waste management
- Biomedical waste management

- **E-waste management**
- **Waste recycling system**
- **Hazardous chemicals and radioactive waste management**

Response:

The Institute is committed to create an eco-friendly campus. The campus is kept clean & tidy with full of greenery. It has taken a number of positive steps to reduce its environmental degradation. The intention of organizing Green Audit is to upgrade the environment condition in and around the institution. It is carried out with the aim of performing tasks like solid waste management, energy conservation, and sewage treatment plant to make the campus more environmental friendly.

Solid-waste management includes collecting, treating, and disposing of solid material that is no longer useful. Solid waste without proper treatment creates environmental pollution causes threat to humankind. Hence, to achieve safety and green environment it is our duty to ensure proper disposal of solid wastes by following waste management methods.

The following methods are adopted to reduce solid waste in M.I.E.T. Engineering College.

1. Provide separate dust bins to collect biodegradable and non-biodegradable solid waste in each floor.
2. Electronic wastes (e-wastes) such as computer monitors, keyboards, cabinet, etc. are separated and sold out to outside agencies and the documents are attached.
3. Expired inverter batteries are collected, sold out and the documents are attached.
4. Provision for proper disposal of sanitary napkins in the girl's rest room is established.

Liquid waste management: The liquid waste of the campus is discharged into underground sewage system and the waste water lines from toilets, bathrooms, kitchens and hostels etc. are connected to the septic tank. A proper drainage, effluent treatment system, and pipelines for transferring liquid wastes are arranged in the college campus as discussed below.

1. A separate tank is provided for collecting sewage and it is disposed for every 5 years.
2. The waste cooking oil is collected from college hostel, canteen and it is used for biodiesel production research work. The produced biodiesel is then used as fuel in the power generator.

Biomedical waste management

To ensure the safety and to prevent diseases a separate incinerator has been installed in the girls hostel. As these napkins are dumped in the bins foul odour emanating from the bins creates an unpleasant atmosphere. These can be shredded away and disperse the germs. The environmental issues emerging out of unsafe disposal of napkins can be solved by the use of incinerators. Incineration plants reduce and break down hazardous substances such as pathogens and toxic chemicals. Flue gases must be treated in a complex treatment system after the combustion to avoid toxic emissions and the residual ashes are disposed safely in order to protect human health and the environment.

E - waste management

The generation of e-waste is not significant in the campus as the used e-components like computers keyboards and CPU's and other e-waste generated in the campus are given to e-waste collectors. Electronic components such as computers accessories viz. monitors, CPU, keyboard, printers, plotters, etc. when becomes unfit for use are segregated and stored separately. The collected e-wastes are sold out as scrap to the outside agencies.

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

7.1.4

Water conservation facilities available in the Institution:

- 1. Rain water harvesting**
- 2. Borewell /Open well recharge**
- 3. Construction of tanks and bunds**
- 4. Waste water recycling**
- 5. Maintenance of water bodies and distribution system in the campus**

Response:

File Description	Document
Geotagged photographs / videos of the facilities	View Document
Any other relevant information	View Document
Link for any other relevant information	View Document

7.1.5

Green campus initiatives include:

- 1. Restricted entry of automobiles**
- 2. Use of Bicycles/ Battery powered vehicles**
- 3. Pedestrian Friendly pathways**
- 4. Ban on use of Plastic**
- 5. Landscaping with trees and plants**

Response:

File Description	Document
Various policy documents / decisions circulated for implementation	View Document
Geotagged photos / videos of the facilities	View Document
Any other relevant documents	View Document
Link for any other relevant information	View Document

7.1.6

Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives:

- 1.Green audit**
- 2.Energy audit**
- 3.Environment audit**
- 4.Clean and green campus recognitions / awards**
- 5.Beyond the campus environmental promotion activities**

Response:

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

7.1.7

The Institution has disabled-friendly, barrier free environment

- 1.Built environment with ramps/lifts for easy access to classrooms.**
- 2.Divyangjan friendly washrooms**
- 3.Signage including tactile path, lights, display boards and signposts**
- 4.Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment**
- 5.Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

Response:

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

7.1.8

Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

Response:

Institution provides an inclusive environment for everyone with tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities. Different sports and cultural activities organized inside the college promote harmony among students. Commemorative days like Women’s Day, Hostel Day, Sports Day, Engineers Day and Teachers Day along with many regional festivals are celebrated in the college. These celebrations establish positive interaction among people of different racial and cultural backgrounds. Institute has code of ethics for students and a separate code of ethics for teachers and other employees which have to be followed by each one of them irrespective of their cultural, regional, linguistic, communal socioeconomic and other diversities.

Institution in association with Aravind Eye Hospital, Madurai jointly organized one day Free Eye Camp in College campus for giving the free check-ups to the people from rural areas. For that college buses were arranged to transport the patients from remote areas to the institute. In this Mega Free Eye Camp, a 50 member team including Doctors, Technicians and Supporting Staff from Aravind Eye Hospital, Madurai has worked hard for servicing the rural poors. More than 1500 people from 50 villages were benefited by testing their eyes.

Every year our NSS unit organizes Blood Donation Camps and Tree Plantation Programme to encourage students to contribute for public health and Green Environment. The institution is conducting the Deeniyath Classes in the name of “Deenkulapenmani” for Muslim girl students. And every year our Computer Science and Engineering department of our Institution conducted Basic Computer Training program for newly recruited Police constables in Police Recruit School, Trichy.

Being a reputed institute, we share our infrastructure and resource to the public and governments. The Examinations of Tamil Nadu Public Service Commission (TNPSC), Tamil Nadu Uniformed Services Recruitment Board (TNUSRB), Tamil Nadu Forest Uniformed Services Recruitment Committee (TNFUS) etc., are conducted in our institute. The general public appearing for these examinations found M.I.E.T. campus convenient and easy to reach. The institution is proud of service the public cause and

benefit of the general public particularly local people.

All these services are provided by the institution irrespective of their caste, creed, colour, sex or socioeconomic background. To bring an inclusive environment and to maintain tolerance and harmony even the students and staff of our institute are from different regions and different cultural backgrounds and belong to different communities.

The Institution believes in unity in diversity that is why our students respect the different religions, languages and cultures. Students feel the college is our second home and all faculties like a family members. The institution greets and wishes everyone at different festivals and invites them to have a feast to get introduced with one's culture to have amicable relations and to maintain the religious, social and communal harmony. Similarly, our students also celebrate the different festivals with joy and enthusiasm which help them to imbibe the social and religious harmony.

File Description	Document
Link for supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View Document
Link for any other relevant information	View Document

7.1.9

Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

Response:

M.I.E.T. Engineering College undertakes different initiatives by organizing various activities to sensitize students and employees to the constitutional obligation: Values, Rights, Duties and Responsibilities of the citizens. The Republic Day (26th January) and Independence Day (15th August) are celebrated with greater integrity in the college campus headed by the Chairman in the presence of Principal, Heads of various Departments along with teachers and students assemble together and hoist the Indian National Flag to remember and glorify the struggle of freedom and respect the fundamental Rights, Duties, Values and responsibilities of citizens as stated in Constitution of India.

Our constitution provides all Citizens of our country with dignity, equality, social justice, human rights and freedom, rule of law, equity and respect. The Institution regularly organises Guest Lectures on the topics of 'The Role of youth' and 'Fundamental Rights' to educate the students about the rights which are essential for intellectual, moral and spiritual development.

The Institution encourages teachers and students to plan and organize various social programs like NSS camp, Free Eye Camp, Blood Donation Camp to educate the public and create awareness among people on the importance of donating blood and eye. The Institution have distributed dresses to corporation

sanitary workers which make them understand human dignity and worth, social justice, service to humanity.

Covid-19 Awareness programme, Dengu Awareness programme, Cancer Awareness programme, Tobacco Awareness programme, Disaster Management Awareness programme, Consumer Rights Awareness Programme and AIDS Awareness programme are also conducted for the purpose of spreading awareness and providing necessary treatment guidance wherever necessary.

The Institution organizes Career guidance program, Book exhibition, TNPSC/ UPSC exam motivation program for the students and make them realize their worth in contributing for the betterment of our country by being better administrators as well as responsible citizens. The NSS Volunteers have taken up many cleanliness drives both inside the campus and nearby villages considering it as a responsibility of every citizen. The students have also taken up Tree Plantation drives to provide a clean and green environment for all. Every year the institution has conducted tree plantation programme in association with NSS to make aware the need of green cover for a sustainable environment.

World Environment Day (5th June) celebrated by forming a Human Chain and World Water Day (22nd March) by conducting a Science Expo. Helmet Awareness Program is also organised to create awareness on road safety. Students are made aware about the code of ethics, human values, rights, duties and responsibilities as a citizen of India through Co-curricular and Extra-curricular programmes conducted in the institution throughout the year.

File Description	Document
Link for details of activities that inculcate values necessary to render students in to responsible citizens	View Document
Link for any other relevant information	View Document

7.1.10

The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

- 1. The Code of Conduct is displayed on the website**
- 2. There is a committee to monitor adherence to the Code of Conduct**
- 3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
- 4. Annual awareness programmes on Code of Conduct are organized**

Response:

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting number of programmes organized reports on the various programs etc in support of the claims	View Document
Code of ethics policy document	View Document
Any other relevant information	View Document

7.1.11

Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

Response:

M.I.E.T. Engineering College celebrates national and international commemorative day's with a view to promote patriotism, concern for the community, human values, inclusiveness and spirit of camaraderie. Institute celebrates national festivals like Independence Day, Republic Day, Gandhi Jayanthi etc., Celebrations on commemorative days such as Ambedkar Jayanthi, Teacher's Day, and Engineers Day are also observed to nurture the spirit of nationalism, oneness, national integration, and respect for the diversity.

During these celebrations institute organizes essay writing competition on Freedom fighters for Students to remind them about the sacrifice and struggle faced by the freedom fighters for Independence. On 5th September of every year Teacher's day is celebrated to commemorate the birth anniversary of Dr.Sarvepalli Radhakrishnan, who is an excellent teacher and the First Vice-President of India. The Engineers day is celebrated with much excitement in the institution on 15th September of every year to commemorate the birth anniversary of Sir M.Visvesvaraya, by paying homage to him and the institute organizes competition on technical skills for students. Ambedkar jayanthi is also celebrated on 14th April to commemorate the birth anniversary of Dr.B.R.Ambedkar by paying homage to him. International Yoga Day is also celebrated in the institution on 21st June to provide the awareness on the importance of yoga to the society. Recently Dr.A.P.J Abdulkalam's birth anniversary is celebrated in the institution on 15th October and on the day massive tree plantation campaign is organised.

File Description	Document
Link for Geotagged photographs of some of the events	View Document
Link for any other relevant information	View Document
Link for Annual report of the celebrations and commemorative events for the last five years	View Document

7.2 Best Practices

7.2.1

Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Response:

Best Practice-1

1. TITLE OF THE PRACTICE:

1.- **Management Information system and E-Academic Process Through Enterprise Resource Planning (E-MIET-ERP)**

2. OBJECTIVES OF THE PRACTICE:

- To monitor the performance of the teachers and progress of the students by the Principal.
- To maintain the record of both teachers personal details and academic details of the students.
- To access the information at one point in digital form from the date of joining to the date of completion of the program in the case of students and from the date of appointment to the date of relieving in the case of teachers.

3. THE CONTEXT:

Educational institutions need to store huge volume of information about students, teachers, academic details and other related data. An ERP solution integrates the whole campus and all the branches in a common system to make the process of data management easy. A software developed by the faculty members and students of Computer Science and Engineering department of M.I.E.T. Engineering College (**E-MIET-ERP**). The software enables sharing of stored data across all departments to keep teachers, staff, and students updated on important announcements. This system provides a better control of internal and external communication in the institution continuously without any breakdown. The improved data access also boosts well-informed decision-making through strategic data analysis. ERP software can store enormous amount of information securely. The application has a backup system to preserve the information, which is quite impossible to have if it is stored in conventional files.

4. THE PRACTICE:

The Principal, Heads of various Departments, Teachers and Students are individually allotted with an ERP number. The details of the staff as well as students are stored in the ERP database that can be retrieved as and when required. Being an online portal, retrieval and updating of information is convenient so that every activity of the teachers and students are continually updated and monitored. Hence ERP is considered as an integral part of the academic process.

Students:

On admission, all the personal details of the student are entered in the ERP database. Attendance,

Internal Marks, Assignment Marks and all the necessary academic information also entered periodically by the respective teachers. With the available information, analysis could be made on every parameter to check the performance and progress of the student. Reports with graphs/charts could be generated for mentoring purposes.

Teachers:

The personal information of the teacher are entered into the ERP database. Time table of allocated subjects along with the students database will be made accessible for the teachers so that attendance, assignment and internal marks could be entered regularly on daily basis.

Principal/HoDs:

The entire academic performance and progress could be easily monitored by the top level management. The ERP is user friendly and any faculty with the ERP number could access and generate reports based on the requirement.

Reports:

- **Absentees Report:**

Everyday absentees report could be generated on a single click either department wise or for the entire institution to monitor regular absentees and find ways to reduce the number of absentees.

- **Test Report:**

After completion of the test, test report could be generated either subject wise or for all the subjects which can be used for planning of remedial classes to improve results in the forthcoming tests.

- **Mentor Report:**

Advisors/ Mentors/ Class Coordinators are able to generate reports of the personal details of the students in order to maintain cordial relationship with the parents with respect to the performance and progress of the students. The information stored will not only be available for the academic year alone but also for all the previous years right from the implementation of the ERP software. In addition to it, the information available are also used for various purposes such as scholarship, fees collection and placement activities.

5. EVIDENCE OF SUCCESS:

Absentees have been drastically reduced as the data available from the ERP software is much useful for careful monitoring of the students and their absence will be immediately taken to the notice of their parents. For result analysis, reports generated at any instant, allows access to the information pertaining to their performance in the case of assessment tests are very much useful for the teachers to encourage and assist their students in their academic progress and thereby increase the pass percentage of the students in the semester examination.

ERP software is a useful tool for communicating with the parents to update the information such as their attendance percentage and internal marks in a single click. With the available information, the teachers

and parents can jointly counsel the students for improvement of their performance.

6. PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED:

Damage to the hard disk or CPU is a problem and is addressed by frequent back-ups. The software may slow down the process and so the software must be updated regularly. Delay in updating leads to ambiguity and so authenticity of data must be monitored closely.

Best Practice-2

1. Title of The Practice: Development of Technocrats through Skill enhancement (DoTS)

2. OBJECTIVES OF THE PRACTICE:

- To bring out better practical skills among young Engineering students
- To promote knowledge-based and technology-driven start-ups through mentorship, guidance, and support.
- To develop practical skills and innovative ideas among the students
- To encourage self-employment tendencies among students
- To develop technical and professional awareness among the students
- To promote first generation businessmen and industrialists
- To develop entrepreneur and managerial skills to meet out the problems in this context of the arena

3. THE CONTEXT:

Practical learning is learning by experience. The learner observes and then carries out, controls or interacts with real-life variables. It is a well-known fact that practical skills are important for every engineering student. Practical work includes experiments in laboratories, field work, case study and project work. It is a proof of their proactivity and helps open up better opportunities for employment and further studies. Practice makes a man perfect. Practical knowledge gives a different perspective of the information through personal experience.

Young students have the enormous power of doing things with great courage. The students of the present generation are more ambitious and aspire to invent new things. It is the responsibility of education system to motivate young aspirants to be the best in the practical skills.

With a distinctive vision of providing a path for young minds to follow and develop their skills, practical learning gives a different feeling of confidence and competence in the skills and techniques for accomplishment and victory to pursue their dreams along with a sense of direction, to shape the global economy.

4. THE PRACTICE:

The practical training courses are conducted for the students to familiarize the latest softwares and technology in their respective domain. The practical training enhances to experiential learning and practical work encourages self-learning. Practical work makes student independent and increase their confidence. Students who complete engineering education often find that when they start working, they

are at a loss in spite of getting very good marks in the examination. If the engineering college integrates theory with practice, students are better prepared for jobs. Practical knowledge in advance boosts their confidence. Hence there are several benefits of practical work and at the same time it must be remembered that theoretical knowledge is also important. Practical work is application of theory and practice for best results. The students develop creative and innovative ideas/methods and give solutions to the real time problems. We also offer practical courses beyond the curriculum which includes Computer Numerical Control (CNC) training, Structural Analysis and Designing Program (STAAD Pro), Hardware and Networking, Printed Circuit Board (PCB) design, design of power converters and applications for engineering students and branding strategies for management students. Although the affiliating University framed the curriculum to conduct practical classes through online due to Covid-19 situation, we conducted only through physical mode as an option given by the University.

Every year industrial visit is arranged for the students to get awareness in the modern technology, future trends, and industrial knowledge. Students explore themselves by interacting with the industrial experts and clarifying their technical doubts and gain knowledge. Engineering students from various streams prepare the projects and present the project in Expo conducted by M.I.E.T. Engineering College in the banner of Entrepreneurship Development Centre (EDC). The students are encouraged to do in-house project by utilizing the existing laboratory facilities available in the concerned departments. An unique students Bazaar is also organized in the campus every year in the name of “Prentice Bazaar” to Management students by creating an opportunity to find the market to sell their products and to sharpen their entrepreneurial skills.

5. EVIDENCE OF SUCCESS:

The evidence of success of these practices is that the students have participated both in Project Expo and Students’ Bazaar and developed their technical skills. The outcome of conducting Project Expo enabled our students to develop innovative projects like Green vehicle (battery operated), small turbine for generating electricity from canals (Patent approved), device for identifying fake votes, etc. With the guidance of faculty members our students have submitted various project proposals to Tamil Nadu State Council for Science and Technology (TNSCST) and got sanction of funds for 4 projects and successfully completed the projects. The approved projects in the academic year 2019-2020 are ‘Remote operated trash skimmer for lake’ and ‘Design and fabrication of fume arrester using peanut shell biofilter for arc welding application’. The approved projects in the academic year 2018-2019 are “Self renovation of building cracks with biological action” and “Tree shifting and replantation mechanism”. The Injection molding equipment was designed and fabricated by our students for research purpose. Our students have participated in the ‘Chhatra Viswarkarma’ Award-2019 a State level competition organized by AICTE-Delhi and shortlisted for higher levels for their work on “Advanced Aquaponics for adopting villages”.

6. PROBLEM ENCOUNTERED AND RESOURCES REQUIRED:

As the exhibition is organized inside our college premises the audiences are limited and only student participants of the exhibition alone participate the program. So, the scope of the exposure for students is less. Hence, it is suggested that the exhibition and other activities need to be conducted outside the college campus, which will increase the possibilities of mass audience to visit both Project Expo and Students’ Bazaar. The students get more exposure by conducting more exhibitions with the support of private industries located in nearby region, which can enhance and motivate the students by involving this kind of expo. Students get more interactions with the mass audience and share their views and on the other side will get more innovative ideas. Also, when the project expo is conducted beyond the college

campus, there may be more chance of getting attention from private industries leading to sponsorship for our program.

File Description	Document
Link for Best practices in the Institutional web site	View Document
Link for any other relevant information	View Document

7.3 Institutional Distinctiveness

7.3.1

Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

Prime focus of the Institution is to promote the socially backward sections of the society and poor Muslim minority students by providing fee concession and other supports. The M.I.E.T. Society, founded by Er. A. Mohamed Yunus and Alhaj S.M. Hassan Mohamed during the year 1984, offers a high-quality education to the socially backward members of the society particularly Muslim minority students. This society started M.I.E.T. Engineering College in the year 1998. The society members include leading industrialists, educationists, and philanthropists.

Ever since the inception, the society has grown incredibly, and its institutions have made an indelible impression on the lives of poor students as they passed through the courses in a meritorious manner. The students from the various parts of Tamil Nadu and from various states across the country join in our institutions to build their talent, personality, and career. The college management has launched a project of poverty alleviation among the poor family where school drop outs and child labour are on the rise. In this project the selected heads of the family were given financial assistance to enhance the income of the family thereby the young children are prevented from child labour and get in to the main stream of school and higher education. The annual budget allocation for this project amounts to about Rs.30.lakhs.

The M.I.E.T. Engineering College have concentrated on wellbeing of socially backward and poor students and under privileged Muslim students. The college has focused on linking Industry, Community, Professional bodies, and Technical Institutions with its students to provide them an edge when facing challenging technologies and competition in their academic pursuits. The Students are supported to continue their education by providing fee concessions and fee waivers. Especially Sons & Daughters of Muthavallis, Hajraths and Immams of Mosques and poor Employees in the Institution are provided 50% fee concession every year. Tuition fees for the wards of the employees of M.I.E.T. Engineering College and poor Muslim parents. As many students belong to first graduate category, our college gives more importance to enhance the skills of the students to face the global challenges.

Motivational programmes are conducted to make them aware of the society. Experts from all walks of

life such as, Indian Police Service (IPS), Indian Administrative Service (IAS), Doctors, Environmentalists, Social activists, legal experts, business people, Human resource managers, sports personalities, and motivational speakers are invited and awareness programmes are conducted to enhance the skills of the students in all aspects to face the society with confidence. Moreover the students are encouraged to face the updated technological developments in the field.

The main aim is to motivate students to continue their education despite their economic difficulties for Muslim minority and socially backward students. Since the weaker section suffers from low educational attainment, M.I.E.T. Engineering College educates economically backward students and provides them an opportunity to gain acceptance in the society and make them face the world. Studious students who also excel in sports activities benefit from this welfare scheme with a fee waiver. The College is established to cater the demands of providing higher education to the students, especially to the Muslim minority students. Apart from this, most of the rural community students who have agricultural family background seek higher education in this College. Keeping these local needs in mind, the College has taken some strategies for widening access to higher education to its students from disadvantaged community and minority-community of the society particularly women students.

We are driven to deliver our mission and convinced of the transformative power of education and research to them. Focus of the institution was always on the following vision, mission and working methodology to assure the standard of the communities performance through value added education and interdisciplinary research. With the belief of academic and technical excellence, Institution stimulates and support students to participate in various rural developmental activities. The rural area where a higher education institution of this magnitude can contribute greatly towards local development and promotion of the rural public. Moreover, the college plays an active role at the community level and offers all possible kinds of help to the surrounding rural areas.

The context: Problems encountered and resources required: Expensive higher educational system. Lack of sponsors and poor economy are the major problems faced by these students. Students who are on the verge of poverty were provided with economic support and college provides an adequate amount of funds for economically backward students. The fees concession includes students who are hailing from economically backward class and Muslim minority students admitted under Management Quota are permitted to avail concession in College fees of Rs.5000/year. The wards of employees of M.I.E.T Engineering College are permitted to avail concession in their College fees.

The Students those who have completed their Diploma/ Degree respectively in the M.I.E.T. Polytechnic College and M.I.E.T. Arts & Science College, Sister Concern of M.I.E.T. Engineering College and poor women candidates are permitted to avail concession in hostel also while getting admission respectively in UG – B.E. Lateral Entry and PG – MBA degree course. Sports concession for students who are having certificate in the level of District / Division / State/National are awarded with concession in the College fees depending upon the level of participation. The Institute has established its distinctive approach towards this comprehensive vision of providing opportunity to higher education for under privileged section of the society The College has always been in the forefront in fulfilling its educational services in generating quality individuals.

File Description	Document
Link for appropriate web in the Institutional website	View Document
Link for any other relevant information	View Document

5. CONCLUSION

Additional Information :

- Students' economical condition would not stop continuing their education at any cost. Hence our institution identifies such kind of economically weaker students and provides them merit scholarships to continue their studies.
- The Institution inculcates social consciousness among its students through active forums such as NSS, Youth Red Cross unit, Women Empowerment Committee & Grievance Redressal Cell, etc.
- NBA accredited UG programs.
- ISO 9001-2015 Certified Institution.
- More MoUs with Industry to enhance hands on experiences, Internship, field projects, Field visits and Certification courses.
- Consistent institutional growth quality of student intake, infrastructure augmentation, etc.,
- Emphasis on extra-curricular and co-curricular activities for the overall growth students.
- Environmentally clean and green campus.
- A common student feedback mechanism to enhance the teaching learning process.
- The Institution has an active Entrepreneur Development Cell that organizes regular events to promote awareness of entrepreneurship.
- The institution provides a platform to transform the creative ideas of students and staff members into outcome-based reality and linkages to the outside world through professional societies.
- The college best practice enrich the students to undertake socially relevant research projects funded by TNSCST-Chennai. Consequently, students developed several programs including one for preventing fraudulent voting.
- Keeping all in mind, M.I.E.T. Engineering College serves as a great morale booster in accelerating the growth of the society and progress towards building an institution that consistently delivers society expected ethical technocrats.

Concluding Remarks :

Our college offers a high-quality holistic education in an underdeveloped rural and semi-urban regions of Tiruchirappalli, Tamil Nadu, intending to promote the cause of higher education. Our Management extends fullest support in building the institution as a center of excellence with technically superior, ethically strong, and competent engineers. The eco-friendly ambiance creates and bestows a healthy learning atmosphere. The multi-disciplinary institution is meticulous with exemplary modern laboratory, workshop facilities, and state of art computer center providing excellent infrastructure. Good numbers of Doctorates, qualified, experienced, and efficient faculty members mould the students diligently in ethical, moral, academic aspects as an all-round performers. Active tutorial and advisory services are provided to the students to inculcate and harness managerial acumen, knowledge assimilation, and respect for human and national values with uncompromised discipline.

A spacious, digital library is an epitome of knowledge to imbibe the reading habit with vast learning resources such as Encyclopaedia, World of science, ASM handbooks, and course materials. ICT facilities and E-learning through NPTEL are available. Career Development Centre of Training and Placement Cell works meticulously to improve and develop life skills and employability by unleashing the potentials of the students to confront global challenges.

The Research and Development Cell provides ample opportunity and scope for research with abundant resources. Various Club activities are conducted to encourage, motivate and inspire students from diverse cultures to harness talent through their perseverance. A well-maintained playgrounds for various outdoor games and indoor games ensure that our students deliver consistently good performance in extra-curricular activities. Industry-Institute interaction and real-time projects nurture and craft the budding engineers to bloom and flourish in the field with the prowess of guidance on the campus. Institutional Distinctiveness of College is to support socially backward and Muslim minority students which play a vital role in achieving the Institutional goals. Our main objective is to make the stakeholders satisfied and solve their demands without compromising any qualities.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.2.2	<p>Number of Add on /Certificate programs offered during the last five years</p> <p>1.2.2.1. How many Add on /Certificate programs are offered within the last 5 years.</p> <p>Answer before DVV Verification:</p> <table border="1"><thead><tr><th>2019-20</th><th>2018-19</th><th>2017-18</th><th>2016-17</th><th>2015-16</th></tr></thead><tbody><tr><td>20</td><td>39</td><td>35</td><td>17</td><td>15</td></tr></tbody></table> <p>Answer After DVV Verification :</p> <table border="1"><thead><tr><th>2019-20</th><th>2018-19</th><th>2017-18</th><th>2016-17</th><th>2015-16</th></tr></thead><tbody><tr><td>13</td><td>14</td><td>17</td><td>15</td><td>15</td></tr></tbody></table> <p>Remark : Edited based on courses organized by the college following the norms only considered.</p>	2019-20	2018-19	2017-18	2016-17	2015-16	20	39	35	17	15	2019-20	2018-19	2017-18	2016-17	2015-16	13	14	17	15	15
2019-20	2018-19	2017-18	2016-17	2015-16																	
20	39	35	17	15																	
2019-20	2018-19	2017-18	2016-17	2015-16																	
13	14	17	15	15																	
1.2.3	<p>Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years</p> <p>1.2.3.1. Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years</p> <p>Answer before DVV Verification:</p> <table border="1"><thead><tr><th>2019-20</th><th>2018-19</th><th>2017-18</th><th>2016-17</th><th>2015-16</th></tr></thead><tbody><tr><td>812</td><td>3267</td><td>1794</td><td>1669</td><td>1270</td></tr></tbody></table> <p>Answer After DVV Verification :</p> <table border="1"><thead><tr><th>2019-20</th><th>2018-19</th><th>2017-18</th><th>2016-17</th><th>2015-16</th></tr></thead><tbody><tr><td>799</td><td>1145</td><td>1455</td><td>1406</td><td>1270</td></tr></tbody></table> <p>Remark : Edited based as per metric 1.2.2 where NPTEL, spoken language tutorial, programs less than 30 hr duration are excluded.</p>	2019-20	2018-19	2017-18	2016-17	2015-16	812	3267	1794	1669	1270	2019-20	2018-19	2017-18	2016-17	2015-16	799	1145	1455	1406	1270
2019-20	2018-19	2017-18	2016-17	2015-16																	
812	3267	1794	1669	1270																	
2019-20	2018-19	2017-18	2016-17	2015-16																	
799	1145	1455	1406	1270																	
1.4.2	<p>Feedback process of the Institution may be classified as follows:</p> <p>Options:</p> <ol style="list-style-type: none">1. Feedback collected, analysed and action taken and feedback available on website2. Feedback collected, analysed and action has been taken3. Feedback collected and analysed4. Feedback collected5. Feedback not collected																				

Answer before DVV Verification : A. Feedback collected, analysed and action taken and feedback available on website
 Answer After DVV Verification: A. Feedback collected, analysed and action taken and feedback available on website

2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)

2.4.3.1. Total experience of full-time teachers

Answer before DVV Verification : 874.5

Answer after DVV Verification: 872

Remark : Experience calculated from the certified clarification report of Principal provided in EP 3.1.

2.6.3 Average pass percentage of Students during last five years

2.6.3.1. Number of final year students who passed the university examination year-wise during the last five years

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16

2.6.3.2. Number of final year students who appeared for the university examination year-wise during the last five years

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
488	604	601	638	598

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
488	604	601	639	598

3.1.1 Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs)

3.1.1.1. Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
0.15	0.15	52.7	17.75	25.2

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	52.7	17.75	25.2

Remark : Excluded the student projects of 2018-19 & 2019-20, claimed by HEI. For the years 2015-16, 2016-17, 2017-18, based on the supporting documents provided by HEI and the funding non government agencies HEI claim is accepted. The amount is reflected in the audited Inc & Exp statement for the respective years. For the years 2018-19 & 2019-20, the amount claimed by HEI is not reflected in the audited Inc & Exp statement.

3.1.3 Percentage of departments having Research projects funded by government and non government agencies during the last five years

3.1.3.1. Number of departments having Research projects funded by government and non-government agencies during the last five years

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
1	4	4	4	4

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	1	1	3

3.1.3.2. Number of departments offering academic programmes

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
6	6	6	6	6

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
6	6	6	6	6

Remark : Edited based on metric 3.1.1

3.2.2 Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years

3.2.2.1. Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year-wise during last five years

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
11	8	10	5	2

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
11	8	10	5	2

3.4.2 **Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years**

3.4.2.1. Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
4	7	0	0	0

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

Remark : certificates of appreciation not considered

3.4.3 **Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years**

3.4.3.1. Number of extension and outreach Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
9	14	17	9	7

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
8	11	12	8	7

Remark : Edited based on activities conducted by the college benefiting the society alone considered.

3.4.4 **Average percentage of students participating in extension activities at 3.4.3. above during last five years**

3.4.4.1. Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year-wise during last five years

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
2144	1052	2121	788	550

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
555	931	915	621	547

Remark : Edited based on activities conducted by the college benefiting the society alone considered.

3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

3.5.1.1. Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
52	48	30	22	7

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
38	47	30	19	7

4.1.4 Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)

4.1.4.1. Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
134.75	150.18	150.13	96.88	142.17

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
134.75	159.34	140.98	96.88	142.17

6.3.4	<p>Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).</p> <p>6.3.4.1. Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 472 1046 607"> <thead> <tr> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> </tr> </thead> <tbody> <tr> <td>75</td> <td>69</td> <td>66</td> <td>80</td> <td>72</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 685 1046 819"> <thead> <tr> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> </tr> </thead> <tbody> <tr> <td>75</td> <td>69</td> <td>65</td> <td>80</td> <td>74</td> </tr> </tbody> </table>	2019-20	2018-19	2017-18	2016-17	2015-16	75	69	66	80	72	2019-20	2018-19	2017-18	2016-17	2015-16	75	69	65	80	74
2019-20	2018-19	2017-18	2016-17	2015-16																	
75	69	66	80	72																	
2019-20	2018-19	2017-18	2016-17	2015-16																	
75	69	65	80	74																	
7.1.7	<p>The Institution has disabled-friendly, barrier free environment</p> <ol style="list-style-type: none"> 1. Built environment with ramps/lifts for easy access to classrooms. 2. Divyangjan friendly washrooms 3. Signage including tactile path, lights, display boards and signposts 4. Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading <p>Answer before DVV Verification : A. Any 4 or all of the above Answer After DVV Verification: C. 2 of the above Remark : Sl no. 1 & 4 considered, based on geotagged photos, bills and other supporting documents.</p>																				

2.Extended Profile Deviations

ID	Extended Questions																				
1.1	<p>Number of courses offered by the Institution across all programs during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="197 1700 986 1812"> <thead> <tr> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> </tr> </thead> <tbody> <tr> <td>389</td> <td>379</td> <td>380</td> <td>366</td> <td>366</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1" data-bbox="197 1890 986 2002"> <thead> <tr> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> </tr> </thead> <tbody> <tr> <td>381</td> <td>375</td> <td>380</td> <td>366</td> <td>366</td> </tr> </tbody> </table>	2019-20	2018-19	2017-18	2016-17	2015-16	389	379	380	366	366	2019-20	2018-19	2017-18	2016-17	2015-16	381	375	380	366	366
2019-20	2018-19	2017-18	2016-17	2015-16																	
389	379	380	366	366																	
2019-20	2018-19	2017-18	2016-17	2015-16																	
381	375	380	366	366																	
2.1	<p>Number of full time teachers year-wise during the last five years</p>																				

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
141	159	200	198	188

Answer After DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
141	159	200	198	188

2.2 **Number of sanctioned posts year-wise during last five years**

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
141	150	200	198	188

Answer After DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
141	150	200	198	188

3.1 **Total number of classrooms and seminar halls**

Answer before DVV Verification : 39

Answer after DVV Verification : 39

3.3 **Number of Computers**

Answer before DVV Verification : 617

Answer after DVV Verification : 535