



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

MOTHER THERESA INSTITUTE OF ENGINEERING AND TECHNOLOGY

MELUMOI (POST AND VILLAGE), GANGAVARAM (MANDAL),
PALAMANER-517408, CHITTOOR (DISTRICT), ANDHRA PRADESH, INDIA.
517408

www.mtieat.org

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Mother Theresa Institute of Engineering and Technology(MTIET), UNDER the Holy Cross Educational Society, affiliated to the Jawaharlal Nehru Technological University Ananthapur (JNTUA), Ananthapuramu, Andhra Pradesh started functioning from the academic year 2010-11 and is located at Melumoi, Palamaner, A.P., half way in between Bangalore and Chennai. With a desire of imparting quality technological education to the rural students and an ultimate vision to maintain global standards in higher learning and research by providing quality education with social relevance in engineering. Sri M. Ravindra Babu, Correspondent and Secretary, is the founder who has developed the institute.

MTIET started with a four year B.Tech. Programme in the disciplines of CIVIL, EEE, ME, ECE, and CSE and at present offers AI&DS also, approved by All India Council for Technical Education (AICTE), New Delhi.

A state-of-the-art houses the laboratories of all discipline with the computer center and conference rooms, library well-stacked with journals, e-sources along with reference books.

The college is committed to making students conscious of their social responsibility through extension and outreach programmes organized by NSS-MTIET unit to enhance students' social awareness and sensitizing towards the upliftment of social related problems by technical solutions to the under privileged sections of the society and also empowering women so that they recognize and fulfill their roles and responsibilities as equal contributors towards nation building.

We mould out professionally competent young engineers to cater the industry needs. The institute implant the value of hard work and social ethics among the students and faculty, enabling them to overcome hurdles in the tramp of their upcoming lives with pride and self-confidence.

Vision

To promote excellence in the field of Engineering Education, Research and Consultancy which encompasses knowledge, skills and values to produce technically and intellectually competent and socially committed students to become responsible citizens.

Mission

- To empower the students in developing professionalism through innovative teaching and learning process.
- To improve high ethical values in engineering and technology through research and consultancy.
- To promote high standards in education to meet the needs of the society.
- To impart knowledge and technical skills to enhance intellectual property of primary stake holders.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

The current strengths of the institute on which it can rely to pursue its objectives include the following:

- Student essential practices with the help of faculty mentoring.
- Ease of approach and transport for students and faculty.
- Curriculum enhancement through Value Added/ Add-on Courses.
- Upholding the dignity and worth of every individual who is part of the institution particularly its young student community.
- Active participation in Co-curricular, Extracurricular activities.
- The NSS unit of MTIET organizing many social relevant activities for the benefit of neighborhood community.
- English Language Communication Laboratory to impart communication skills to the students.
- Good Library facilities with National and International Journals of repute, adequate number of text books and reference books.
- Training and Placement Cell with full fledged trainers to help in placements.
- Scholarships for students.
- Good number of Industrial linkages.
- Having young and dynamic faculty, team work within them.
- Infrastructure facility with disciplined, pleasant campus atmosphere and playground.
- Highly transparent governance and administration, extension services to local community.

Institutional Weakness

Areas that need improvement include the following:

- Not enough optional courses.
- Less time for the students and the staff to spend on other extra-curricular activities other than curriculum.
- College is primarily an undergraduate college which focuses on teaching and learning activities rather than on research. Therefore, there is a limited scope in enhancing the research rigor in the campus.
- Insufficient time for subject research project.
- Funding/financial support from Government and Non-Government organizations.
- As college is located in remote area, difficulty in appointing faculty with doctoral degrees.

The institute is not providing residence to staff and hence unable to utilize fully the infrastructural facilities available in the college by the faculty.

Institutional Opportunity

The main identified opportunities resulting from the above assessments include the following:

- To establish academic links with renowned national and international institutions for student exchange and interaction to enhance the level of their knowledge in the respective subjects.

- More opportunities for internship programmes.
- Funding from AICTE, CSIR, DST, UGC etc.
- The Industrial visits for students to increase industry interactions and employability skills.
- Exposure to real world problems and solutions.
- Faculty has to be initiated to undergo teaching and learning process in specialized fields offered by IITs, NITs etc., to enhance their teaching and research capabilities.

Real-life work environments by encouraging teamwork among students in different specialties.

Institutional Challenge

The main challenges and possible mitigating actions that might be taken include the following:

- High competition from upcoming institutions has put lot of pressure on the management of the college to safe guard their interest.
- Availability of other attractive employment opportunities (Especially other than IT and communications industry).
- Enhancing the entrepreneur skills in the students.
- Increase and maintenance of infrastructural facilities like lecture halls, Library, and Laboratories.
- Challenge of Proficiency in Language –the task of improving the standards of English amongst the students (Students from remote areas have pursued most of their studies in their local language and even the brightest of them find it difficult to understand English).
- Creeping commercialization posing challenges to quality education in higher education.
- High emphasis on Research, gaining knowledge beyond books.
- Organizing programs like seminars, workshops and conferences (National and International).
- Many of the engineering post graduates with doctoral degrees and excellent academic career are not opting for teaching profession thereby depriving the and bright students the good teaching and guidance.

In spite of good infrastructure facilities and faculty unable to attract top rankers as the institute is located in rural area and competition from city based institutions.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The college is affiliated to the JNTUA, Ananthapuramu and the curriculum and syllabi are prescribed by

the University. The college ascertains the effectual delivery of curriculum through a meticulously designed

process without swerving the program of the university and follows Outcomes-Based education (OBE). In addition to the university academic calendar, the institute prepares academic calendar on par with university academic calendar with all academic activities including continuous internal examination (CIE) and external examination, curricular, co-curricular and extracurricular activities. Faculty members prepare course content in the form of Power Point Presentation delivered through ICT tools. Teachers of the Institution have been

participated in the activities like setting of question papers for UG/PG programs, Design and Development of Curriculum for Add on/ certificate/ Diploma Courses, Assessment /evaluation processes.

All the programs offered allow professional electives and Open Electives as per Choice Based Credit System (CBCS). Courses like Gender Sensitization, Environment and Sustainability, Human Values and Professional Ethics are included in the curriculum. Apart from the courses in the curriculum, various activities are organized to focus on the socio cultural issues by NSS. Around 81% of the students have taken part in industry projects and/or internships. Structured feedback is taken in curriculum from students, industry, alumni and teachers. The same is analyzed, action taken and report maintained on the institutional website.

Teaching-learning and Evaluation

The students are admitted for different programs through the Engineering, Agricultural and Medical Common Entrance Test (EAMCET), Engineering, Agriculture & Pharmacy Common Entrance Test (EAPCET) and Engineering Common Entrance Test (ECET) conducted by the State Government of Andhra Pradesh. The admission process ensures inclusion of students from all categories through social reservations defined by State Government of Andhra Pradesh and average enrolment percentage of last five years is 84.90%. Several initiatives have been taken to address the needs of slow learners and advanced learners separately. Strong mentoring system is in place to deal with students individually. Each mentor on an average has approximately 13 students under his/her care for academic and stress related counseling. Student centric methods like experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences. All facilities are created for the physically disabled students. Institution encourages teachers to use innovative pedagogies of teaching and learning. It is mandatory for all the teachers to use ICT enabled tools in their teaching. Teachers are recruited as per the norms set by the AICTE and JNTUA. There are doctorate holders in all the departments. Average teaching experience of the teachers in MTIET is 10.12 years. Among the sanctioned posts, 100 % are full time teachers. Internal assessments are being done as per the guidelines given by the university and complete transparency is maintained in all forms of internal evaluations. To address all examination and evaluation related problems, senior staff member is being kept in-charge of examination section. An aggrieved student makes an application to the in-charge and he addresses it as per the stipulated norms of JNTUA. Academic calendar is prescribed by the college and strictly adheres to university calendar. Program Outcomes(POs) and Course Outcomes(COs) of all the courses are stated and displayed in website. Attainment of COs and POs are done as per OBE. Average pass percentage in the past five years is 87.09%.

Research, Innovations and Extension

Number of Seminars/conferences/workshops conducted by the institution during the last five Years are 96. Efforts are being made to receive Grants for research projects through AICTE, UGC, CSIR, DST etc..Workshops/seminars are organized on Intellectual Property Rights and Industry-Academia innovative practices. Institution provided the financial assistance to attend seminars workshops conducted by premier institutions with in the country and presentation of technical papers in India and abroad. The technical papers are published by the teachers in national and international journals every year. The NSS-MTIET unit has been involved in various social service activities in the neighboring localities with the financial support from the management with the objective of inculcating the habit of understanding the socio-cultural problems of the people and Number of conducted and awards/ recognitions received for extension activities during the last five years through NSS are 78 and 40 respectively, with the average percentage of students participation in five years is 84.08. The institute has active UBA cell under UBA-MHRD adopted five villages and creates

awareness on current social problem through rallies and gramasabhas. The college has 18 functional MOU's with on-going activities with Industries and Institutions of national and international importance as linkages for faculty exchange, student-exchange, internship, on-the-job training and research.

Infrastructure and Learning Resources

MTIET has a beautiful landscape, aesthetic architecture, eco-friendly environment. All classrooms are ICT equipped and laboratories are spacious with cross ventilation with equipment as prescribed by competent authorities. Sports facilities are provided and students are encouraged to participate in college, university and national competitions. Well-facilitated Gymnasium set up in the Campus. Provision of practicing cultural activities. Around **54.2%** of the total budget is allocated and spent on facilities other than salary component. The college library maintains all the books and journals are per AICTE norms. Digital access of resources is provided for teachers and students. Remote access available to the e-resources in the library . Institution has leased line of 300 MBPS internet connection to provide quality bandwidth to all the students in the labs and to the staff in the staffrooms and office. There is one computer for every three students in the campus. Around **5%** of total budget is allocated for campus maintenance. There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Student Support and Progression

Eligible students get financial support from government of Andhra Pradesh in the form of tuition fee reimbursement. Institution provides concession of fee to students based on their request and justification. The college organizes expert lectures by inviting industrialists or experienced professionals to develop entrepreneurial skills among the students. The institute motivates the students to appear for GATE and other related capability enhancement courses for competitive examinations, Career counseling, soft skill development, remedial coaching, language lab, bridge courses, yoga and personal counseling are offered to all the students. All the students are benefited from the programmes organized. The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases by the implementation of guidelines of statutory/ regulatory bodies with zero tolerance by the mechanisms for submission of online/offline students' grievances through appropriate committees. Around 85% of the students get placements during their final year. Support for competitive exams and higher education is provided. The institute has constituted academic and administrative bodies with student representation. The college provides unflinching support to the Sports and Games activities for students. Playground is properly maintained to play all field and indoor games with required kits are being provided. As part of annual cultural meet named as AROHAN, students are encouraged to participate in various events in cultural, sports and technical activities. Several students from the institute received awards by winning the events in all these activities. MTIET organizes alumni meet once in an year and inputs from alumni are used for improvements in student learning process and their contribution is significant. The Alumni Association of MTIET "MAA (MTIET Alumni Association)" is registered with the Registrar of Societies, Reg No. 281 of 2019.

Governance, Leadership and Management

Institution's vision and mission have been evolved with inclusive decision making. All the stake holders are involved in the vision and mission exercise. Freedom at every level of hierarchy is specified and

accountabilities are frozen. MTIET carried out strategic planning with objective, SWOC analysis and action plan. All actionable items are taken up by respective people for implementation. Administration is as per the organization chart. The institution involves all the stake holders in governance and other activities which reflect the leadership values of our college. The Governing Council meet periodically to monitor progress and suggest strategies. Operations in planning, development, administration, finance, student support, accounts and examinations are digitalized. Utilization of other teaching aids like LCD projectors, e-CAP software for perusal of student progress as well as staff details are the examples of deployment of strategic plans. To decentralize the administration, several bodies/committees are constituted with a convener assisted by staff and students to monitor as a coordinated unit, to review effectiveness of the activities carried out in the campus as well as to discharge the duties reflecting the leadership qualities. Staff are given both professional and technical training to be on par with emerging trends and technologies to support students. Institution has a very strong welfare policy for its teaching and non-teaching staff. Financial support is provided for faculty to attend training outside the college. Performance appraisal system is in place and followed for annual appraisals.

Finances for the institution come from students' tuition fee, government funding for projects and alumni contribution. Finances are managed effectively by sanctioning authority for the staff based on their requirement and significance in the hierarchy and nature of works. Internal Quality Assurance Cell (IQAC) has been constituted in July 2017 and it monitors the Program Educational Objectives (PEOs) to meet Program Outcomes (POs), Course Outcomes are mapped to POs and PEOs which aligned with the Vision and Mission of our institution and also functional in over viewing all quality matters.

Institutional Values and Best Practices

Institution has taken up measures for the promotion of gender equity. Facilities for female students and staff are provided to feel comfortable during their stay in the campus. There are counseling rooms and common room for females separately. The Institution has facility of solar energy for alternate sources of energy and wheeling to the Grid. Sensor-based energy conservation and use of LED bulbs are the energy conservation measures adapted. Solid, Liquid, e-waste and chemical wastes are managed in line with green building standards. Rainwater harvesting pit is made available to preserve ground water in the campus. All green practices to reduce pollution are adopted. Facilities for physically disabled like lift, ramps, toilets, scribes etc., are provided in the institution. Several initiatives have been taken up based on location advantage and disadvantages. Code of conduct for staff and students is made available online in the college portal. Institute emphasizes mainly core values. Institution offers course on Human values and professional ethics. Institution observes the birth anniversaries of great personalities. Institution maintains complete transparency in financial, academic and administrative functions. Best practice methods are adapted to produce results which are superior to maintain quality in education. Communicating with all stake holders creating detailed work plans, documenting every aspect, getting feedback from students are some of the best practices followed in the institution. The best practices followed by the students at MTIET is becomes institutional distinctiveness.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	MOTHER THERESA INSTITUTE OF ENGINEERING AND TECHNOLOGY
Address	Melumoi (Post and Village), Gangavaram (Mandal), Palamaner-517408, Chittoor (District), Andhra Pradesh, INDIA.
City	PALAMANER
State	Andhra Pradesh
Pin	517408
Website	www.mtieat.org

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	M Lakshmikanta Reddy	08579-268589	9866888648	08579-268584	mtieat@gmail.com
IQAC / CIQA coordinator	K Lokesh	08579-268588	9494093737	08579-268584	mtietiqac@gmail.com

Status of the Institution	
Institution Status	Private

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details

Date of establishment of the college	14-07-2010			
University to which the college is affiliated/ or which governs the college (if it is a constituent college)				
State	University name		Document	
Andhra Pradesh	Jawaharlal Nehru Technological University, Anantpur		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	02-07-2021	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	Melumoi (Post and Village), Gangavaram (Mandal), Palamaner-517408, Chittoor (District), Andhra Pradesh, INDIA.	Rural	11.25	10415

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BTech,Computer Science And Engineering	48	INTERMEDIATE	English	132	131
UG	BTech,Electronics And Communication Engineering	48	INTERMEDIATE	English	120	113
UG	BTech,Artificial Intelligence And Data Science	48	INTERMEDIATE	English	66	61
UG	BTech,Electrical And Electronics Engineering	48	INTERMEDIATE	English	60	49
UG	BTech,Civil Engineering	48	INTERMEDIATE	English	60	10

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	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	9				26				91			
Recruited	9	0	0	9	20	6	0	26	58	33	0	91
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				19
Recruited	15	4	0	19
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				3
Recruited	3	0	0	3
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.	9	0	0	2	1	0	0	0	0	12
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	18	5	0	58	33	0	114
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	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	897	11	0	0	908
	Female	630	3	0	0	633
	Others	0	0	0	0	0

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

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	23	14	19	17
	Female	8	13	16	11
	Others	0	0	0	0
ST	Male	4	2	3	1
	Female	1	1	1	5
	Others	0	0	0	0
OBC	Male	119	113	140	125
	Female	79	72	78	80
	Others	0	0	0	0
General	Male	114	94	84	91
	Female	84	85	75	75
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		432	394	416	405

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	The Institute is affiliated to JNTUA, strictly adhere to follow the syllabus developed by the university and is following the Choice Based Credit System (CBCS), where each program offered multidisciplinary
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	<p>courses to have overall concepts on Engineering and Technology. Even though, the Institute encourages the students to enroll in Value added courses and Add-on courses related to multidisciplinary/interdisciplinary. Institute always motivates the faculty members to focus on interdisciplinary research to meet industrial as well as societal needs and also collaborate with industries to carry out projects. Interdisciplinary research will bring the new innovative ideas, techniques and methods to solve various problems encountered in the real time world. The Statutory regulator authorities like AICTE and JNTUA also emphasis in their model curriculum about the introduction of interdisciplinary courses to students through open and core electives. From the academic year 2021-22, the institute introduces new course on Artificial Intelligence and Data Science.</p>
<p>2. Academic bank of credits (ABC):</p>	<p>It is affiliated to JNTUA and there are certain issues where the institute is bound by the rules and regulations of the University. All subjects/ courses are to be registered by a student in a semester to earn credits. Credits shall be assigned to each subject/course in a L: T: P: C (Lecture Periods: Tutorial Periods: Practical Periods: Credits) structure. A student will be eligible to get B.Tech Degree, if he/she gains total credits of 176 for R-15 and 163 for R-19 regulations, in which theory subjects 3 credits including Massive Online Open Courses (MOOCs), practicals with 1.5 to 2 credits, survey camp/Industrial training 2 credits and project work with 7 to 10 credits; these credits vary as prescribed by the university from regulation to regulation. It is initiated by the students to participate in online courses through online mode individually. Revision of curriculum has been started for year 2013, 2015, 2019 and 2020 as per university rules. These revisions are applicable for students admitted in the respective years. The institute agrees in principle with the ABC and has started looking into this aspect although it has not been implemented fully. We are in the process of developing a system for executing ABC in true spirit, once the University's implementation of ABC.</p>
<p>3. Skill development:</p>	<p>The vibrant internship programmes prevalent in the institute act as catalysts for skill development. The basic premise of NEP whereby degree-owners are</p>

turned into empowered individuals is being followed. The number of students opting for jobs is still much more as compared to the number of empowered individuals who, with their ingenuity, will go for start-ups. This is sort of a cultural shift and it will take time to produce a sizable number of students who will opt for self-employment. So far as skill required in industry is concerned, the students are ahead of many of their likes. But the process of improvement is continuous and the Institute strives to attain excellence slowly but steadily. Students and faculty members of the institute have done courses and internships got certificates to improve their skills. The progress in this area has been spectacular. The institute always forefront to organize the various skill development programs for the betterment of faculty members. College also organizing awareness programs, seminars, workshops and field visits for the benefit of the interested students. These programs have helped a few students to know about the importance of self employment and wealth creation. They also understood that creativity and innovation are the prerequisites for the success of business ventures. The organized programmes scale up the professional and social skills of the students and prepare them to be the responsible citizens of India. For this purpose the college works by:

- Organizing coaching class continuously with the high end electronic and digital presentations.
- Making the students to participate in workshops, Debates and Reading Sessions.
- Motivating the students to organize group discussions and role playing.
- To improve coding skills, quantitative, analytical and logical skills to forfeit themselves in placements, Institute organizing CRT training programs every year.
- Andhra Pradesh Information Technology Academy (APITA): This program is initiated by state government of Andhra Pradesh to Higher Education Institution to give awareness on latest technologies, Industry readiness and Campus Recruitment. Our students are taking active participation in this program and placed in MNCs.

4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):

The preservation and promotion of India's cultural wealth must be considered a high priority for the country, as it is truly important for the nation's identity as well as for its Economy. In this regard appropriate integration of the Indian Knowledge

system particularly teaching in Indian languages is important. Language, of course, is inextricably linked to Arts and culture. Languages influence the way people of a given culture speak with others, including with family members, authority and strangers, and also influence the tone of the conversation. In order to preserve and promote culture, one must preserve and promote a culture's languages – “Unity in Diversity”. The 21st century, aims to reconfigure the education system of India on the framework of Indian knowledge System. It recognizes that the distinct place that India holds at the global stage is only because of its cultural developments, civilization values and rich literature in all the fields. Ministry of Education, AICTE and MHRD encouraging technical education in region language and also publish the text books in the regional language for the easiness in understanding of the course. To promote the above, the college encourages

- The ability to express the views, ideas, thoughts, opinions, etc., by the student shall be addressed with a mix of English and local languages.
- The teaching-learning in local language shall be considered as an opportunity to curtail ‘dropouts’ from early stages of the program duration.
- Some of our faculty members have fluency of speech in other Indian languages like Tamil, Kannada, Urdu, Malayalam, Hindi etc..

5. Focus on Outcome based education (OBE):

Outcome-based education is targeted at achieving desirable outcomes (in terms of knowledge, skills, attitudes and behavior) at the end of a program. Teaching with this awareness and making the associated effort constitutes outcome-based education. This entails a regular methodology for ascertaining the attainment of outcomes, and benchmarking these against the program outcomes consistent with the objectives of the program. The Institute adopts Outcome Based Education (OBE) and implements in teaching and learning process. Even though the Institute is affiliated college, the Faculty members were trained in designing the courses and its syllabi to meet industrial and academic requirements of the students, justifying the Course Outcomes(CO) and mapping these CO with Program Outcomes(PO) and comparing the after assessment and evaluation process. Attainment of Course Outcomes are shows the effective implementation of Teaching and Learning process to

meet OBE. Institute always believes that educational quality must be measured by outcomes rather than inputs, because inputs do not necessarily correlate with quality outcomes. Outcomes are dependent not only on inputs but also on the processes followed by an institution to convert inputs into defined outcomes. Few examples of Participative Learning practices are as follows:

- Classroom Interaction: Classroom Interactions at the college manifests on changing instructional role towards more support and negotiation over content and methods and focuses developing and supporting students' autonomy of critical thinking.
- Peer Learning: During project work students' collaborate among themselves and share their knowledge and skill.
- Conferences/ Seminars/ Webinars: The Institute online platforms, attending webinars and discussing among peer groups. Google Meet and Zoom are being used by all the faculty members as LMS. Faculty members are uploading various learning resources such as articles, pre-recorded videos, YouTube links, assignments etc.. on the respective on-line classes and students are also responding very well. Various online tools are also being used by some of the faculty members to make online classes more engaging.
- The Institute has adopted Choice Based Credit System (CBCS) as per the university regulations in all the undergraduate programs and encourages students to enroll in courses from MOOCs platforms as recommended by the AICTE.
- The Institute is also encourages to register various online courses, internships and training programmes offered by the leading universities, institutes and organizations.

6. Distance education/online education:

Due to Covid -19 pandemic, educational institutions in the country has increasingly involved in using the digital platforms for engaging classes, conducting conferences and meetings. Keeping aside the negative impact of lack of face to face learning, online education has broken the geographical barriers creating interaction of experts and students from distant geographies. Opening up of the economy including that of educational institutions has paved the way of adopting hybrid mode of education. Due to the experience gained during the closure period of Covid-19, access to online resources by educators and students will not be a constraint anymore. The whole college campus is wi-fi enabled with digitally

interactive panels installed in classrooms and hence no hindrance /obstacle in online education. The institution is prepared to make available all such type of e-content material prepared by faculty members to all students through online mode to meet the future challenges. Online education allows students to attend classes from any location of their choice while it allows colleges to reach out to an extensive network of students, instead of being restricted by geographical boundaries. Students can clarify their doubts through live chats or forums by staying at the comfort and safety of their home. On the positive note, online learning has made both teachers and students become more technology savvy. Various mobile phone and computer applications and technology based programs have emerged as an alternative platform to regular classroom teaching during lockdown. Both the teacher and the student community were quick enough to acclimatize with computers and smart-phones. The faculty and students are equip themselves to attend the examinations, seminars and comprehensive viva voce in online mode to fulfill their academic requirements to get the UG degree. Still some of the challenges are to be fulfilled in online education system for rural areas.

Extended Profile

1 Program

1.1

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

2020-21	2019-20	2018-19	2017-18	2016-17
258	241	234	235	227
File Description		Document		
Institutional data in prescribed format		View Document		

1.2

Number of programs offered year-wise for last five years

2020-21	2019-20	2018-19	2017-18	2016-17
5	5	5	5	5

2 Students

2.1

Number of students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
1539	1548	1588	1566	1481
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

2020-21	2019-20	2018-19	2017-18	2016-17
161	161	147	147	147

File Description	Document
Institutional data in prescribed format	View Document

2.3

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

2020-21	2019-20	2018-19	2017-18	2016-17
391	396	394	384	299

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

2020-21	2019-20	2018-19	2017-18	2016-17
122	101	105	110	114

File Description	Document
Institutional data in prescribed format	View Document

3.2

Number of sanctioned posts year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
122	101	105	110	114

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 32

4.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
314.76	506.73	578.65	559.61	609.82

4.3

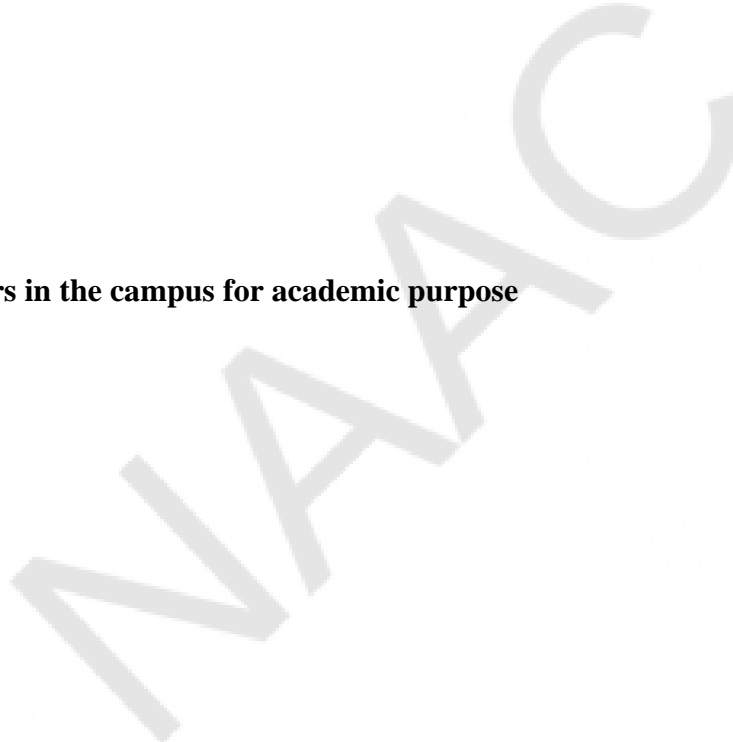
Number of Computers

Response: 536

4.4

Total number of computers in the campus for academic purpose

Response: 524



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:

Mother Theresa Institute of Engineering & Technology (MTIET) is affiliated to the JNTUA, Ananthapuramu and the curriculum and syllabi are prescribed by the University. The College ascertains the effective delivery of curriculum through a meticulously designed process without swerving from the Academic Calendar of the University. Besides, we adhere to Choice Based Credit System as directed by the University. Apart from it, the Institution follows the Open Elective and Core Elective System so that **Outcome Based Education** would reach the stakeholders.

The college also employs other measures to make the teaching – learning activity can be dynamic and effective. They are:

- The institute follows academic calendar given by the university and all activities are adhere strictly with the university.
- Expression of objectives pertaining to the content of teaching plan at the very inception of the semester.
- Genuine attempts are made to connect the well known three directives viz content, concept and context.
- Updated and modernized library facilities with e – journals.
- Subjects are allotted based on competence, experience and performance.
- Maintenance of course files by all faculty members with lesson plan, notes of lesson, question bank, performance details of the students etc.,
- Innovative teaching methodology to make the students to gear up themselves in teaching learning process and employing learner primary mode such as web related assignments, peer learning, group discussion, JAM, use of NPTEL lectures, NDL, Swayam online courses, projects, survey outline etc., are adopted.
- Supervising of course delivery and syllabus completion through formal and informal feedback.
- To encounter the challenges in technical ambience the institution use simultaneous audio, visual discussion shows.
- Each teaching faculty member is assigned with a target of guiding 20 students on academic and personal issues, to create a congenial atmosphere between the teacher and the student.
- Organizing suitable guest lectures, seminars, industrial visits and training programmes to supplement the curriculum inputs.
- Refresher courses, workshops and FDPs for skill upgradation of faculty.
- Encouraging students to do innovative project works with a well known Young Rural Scientist in our state.
- Motivating students to pursue research and to present papers in seminars, conferences and to publish in journals.
- Suitable value added programmes are conducted to bridge industry – institution gap.

- Periodical reviews on syllabus completion, attendance and other activities are monitored by the HODs and report is submitted to the Principal.
- Systematic, proper and prompt evaluation and dispatch of reports to parents.
- Availability of e-cap software to monitor students' performance and teaching and evaluation process.
- Well furnished and equipped library and laboratories are the feathers in the cap of the college and it is provided for the effective delivery of the curriculum.
- Preparing and coaching students to participate in University and National level competitions.

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:

- The college believes that teaching is an art and the art of teaching can always be improved.
- In addition to the University academic calendar, the institute will prepare all academic activities including continuous internal examination (CIE) and external examination curricular, co-curricular and extracurricular activities are prepared on par with University academic calendar.
- Every faculty member prepares Teaching plans which includes syllabus, Assignment, MID question paper, Quiz questions, Course objectives and outcomes along with its articulation matrix.
- All faculty members prepare course content in the form of Power Point Presentation delivered through ICT tools.
- Sincere attempts are made to connect the three directives: 'content, concept and context.'
- Feedback from the students as per the completion of the syllabus in every subject is taken on a regular basis by the Head of the Department and the Principal individually.
- Well furnished and equipped library and laboratories are the feathers in the cap of the college and it is totally being utilized for the effective delivery of the curriculum.
- The faculty posses an obvious idea of classroom dynamics which involves the interaction between the faculty and the students. Every classroom is taken as a community and the faculty tries to create positive classroom atmosphere where students feel comfort in learning things through interaction.
- Each faculty member is entrusted to take care of a group of students who are lagging behind in academics and other activities.
- Internal examinations are conducted for 30 marks (10 for objective and 20 for descriptive) during the Semesters. At the end of the Semester, students take university examination for 70 marks.
- The evaluated answer scripts of the internal examinations are given to the students. This gives the faculty an opportunity to identify the poorly performed students in academics, for whom remedial classes are conducted, taking the subject wise grievances of the students into consideration.
- Periodical reviews as to the completion of syllabus, guiding notes, activities and other things are conducted by the Head of the Department and a report is submitted to the Principal.
- Apart from all these, guest lectures, motivational classes, seminars, visits to the centers of biodiversity are organized.

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: A. All of the above

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

1.2 Academic Flexibility

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

Response: 100

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

Response: 5

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

1.2.2 Number of Add on /Certificate programs offered during the last five years

Response: 76

1.2.2.1 How many Add on /Certificate programs are offered within the last 5 years.

2020-21	2019-20	2018-19	2017-18	2016-17
14	15	15	16	16

File Description	Document
Institutional data in prescribed format	View Document
Brochure or any other document relating to Add on /Certificate programs	View Document
Any 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: 94.51

1.2.3.1 Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
1412	1480	1457	1508	1439

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 college believes that there is neither superior nor inferior and all the students are unique in

nature. Equal opportunities are given to both boys and girls in all the activities, and they can nurture their likes and interests.

- Usually girl students from rural areas are reticent to address the class and participate in activities and so women faculty are allotted to dispel their fear which is the worst enemy of human being. Slowly they join in the mainstream.
- The care and concern yields good results and there is equal participation of boys and girls in curricular and co-curricular activities like seminars, paper presentation, poster presentation, quizzes, group discussions, JAM etc. Together they organize programmes and activities.
- The college takes care in educating the students in protecting college environment. They are taught what happens if water is not properly managed and if plants are not protected. Educational tours play an important role in these matters.
- Adequate arrangements are made so that all the students and parents can find out their marks and attendance just by using mobiles from home.

Professional Ethics:

As per the University regulations, Professional Ethics is a course made as mandatory course for all III B. Tech in R15 Regulations and its subsequent regulations. All students must pass the course and which is a non credit course.

Gender Sensitization:

- The Institution prefer equal chances given for both the genders in terms of academic activities, curricular, co-curricular and extracurricular activities etc.,
- The Institution is having women empowerment cell especially for all girl students for their overall development.
- International Women's day and Mothers day is celebrated every year with enthusiasm in the college.
- Students are also encouraged to participate in activities of other Institutions so as to familiarize the different environment/ ambience.
- Girl students are participated in various co curricular activities such as paper presentations, group discussion and technical quiz programmes.

Human Values:

- The Institute has a barrier free and ragging free environment.
- Woman anti-harassment committee, grievance redressal cell and staff Welfare committee are constituted.
- Awareness programs are initiated by NSS, towards extension and outreach programs in collaboration with industry, community and non government organizations during the academic year.

Environment Science and sustainability

As per the University regulations, Environment science is a mandatory course. In Environment Science, syllabus having scope in environment sustainability methods are dealt in detail.

The outcome of the course is awareness on renewable energy sources such as Solar Power system and Rain water harvesting system which are available in the campus.

Tree plantation program is conducted in campus. To protect trees, the e-governance is implemented in the campus towards all the academic and administrative works to reduce paper utilization. We use software e-cap to enter and view the students' details, marks, attendance, club membership and university results.

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: 87.35

1.3.2.1 Number of courses that include experiential learning through project work/field work/internship year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
222	206	201	205	209

File Description	Document
Programme / Curriculum/ Syllabus of the courses	View Document
MoU's with relevant organizations for these courses, if any	View Document
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View Document
Institutional data in prescribed format	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: 88.63

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

Response: 1364

File Description	Document
Institutional data in prescribed format	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: A. All of the above

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: A. Feedback collected, analysed and action taken and feedback available on website

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: 84.9

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

2020-21	2019-20	2018-19	2017-18	2016-17
357	327	359	357	383

2.1.1.2 Number of sanctioned seats year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
420	420	420	420	420

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: 91.85

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

2020-21	2019-20	2018-19	2017-18	2016-17
161	114	135	142	147

File Description

Document

Institutional data in prescribed format

[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:

Mother Theresa Institute of Engineering & Technology (MTIET) has a well-defined mechanism to assess the learning levels of a student and it also conducts special purpose programs for advanced learners and remedial courses for laggards.

Mechanism to assess the student learning levels:

The following methods are also used to assess the student learning levels:

- Assignments.
- Quiz.
- Debates/Discussions.
- Mentor Interaction with his mentee.
- Subject teacher identifies the student learning level in his daily class.

Every semester before attempting internal tests (or Mid Examinations) student has to submit the assignment for each unit and student also has to actively participate in activities like quiz, and debates/discussions. Faculty will evaluate the assignments and the student activities to identify the learning levels of the learners.

Subject teacher identify the learning level of a student during their lecture in the class room by asking questions of previous class topic. Basing upon the student performance in regular class room teacher identifies the advanced learners from the slow learners.

For Slow Learners:

Subject teacher will focus more on slow learners in his subject and make them to learn the concepts well before the internal test (or Mid Examination). Intensive coaching classes are arranged for laggards to scale them up. Mentoring will be provided by the mentor to the slow learners.

Strategies adapted for slow learners:

1. Remedial classes were conducted.
2. Group study methods were also introduced.

3. Academic and personal counseling.
4. Provision of simple and standard lecture notes.
5. Bilingual explanation and discussion.
6. Induction Programs.

Batching the slow learners with advanced learners to create a atmosphere of competitive spirit among the students, which fetched positive results.

For Advanced Learners:

For motivating advanced learners to continue their higher level of learning and to keep enhancing their knowledge and skills following programs are conducted:

Strategies adapted for advanced learners :

1. Special Coaching and skill development programme in Communicative English, Aptitude, Reasoning and Technical Skills.
2. Provision of reference material.
3. Talented students were motivated to participate in Co-curricular and Extra-curricular activities.
4. Mini project.
5. Workshops on Advanced Technologies.
6. Awareness programs on career development.
7. Prepare the students to register for online courses.
8. Imparting GATE coaching.

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

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

Response: 13:1

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 institute provides the required resources to the students for making the learning student centric. The faculty concentrates on imparting knowledge through an engage learning process where the students learn by doing which accelerates creativity and innovative skills.

MTIET adopted the following learning methods for experiential learning, participative learning and problem solving skills.

Experiential Learning:

- Well established laboratories.
- Group Discussions on advanced technology.
- Brain storming session and Role play.

Participative Learning:

- Flipped class room.
- Think-pair-share and muddiest point.
- Student seminars.

Problem Solving Skills:

- Project works and Case studies.
- Industrial visits.
- Reasoning.

Group Discussion on the Advanced Technologies:

Students are allowed to go to the library for verifying latest articles on advanced technology. The groups of students are directed to discuss the current issues and advanced technologies to enhance their learning levels.

Active learning methods:

Active learning methods are adopted in the class room to make the students actively involved in the learning process. They are Flipped Classroom, Think-Pair-Share and Muddiest Point.

In Flipped Classroom learning method, teacher shares recorded video/audio lecture with the student. Students in the class room clear their doubts on prerecorded concepts. In Think- Pair-Share learning method, a team of students asked to prepare the notes on specific topic before coming to the class. In the classroom they are asked to share their views/ideas with the remaining students. In Muddiest learning method, teacher asks questions at the end of the class, about the muddiest point of that day's class. Most confusing or least understood point of the subject will be clarified by the teacher.

Student Seminars, Project Works and Industrial Visits:

Students are allowed to design and execute Mini and Major Projects on advanced topics during the course of their study. The institute also arranges Industrial Visits for practical learning and arranges interacting

Sessions with the Executives. Students regularly visit industries like SHAR, NARL, Power plant, etc.,

Problem solving skills:

The Institute very often arranges expert lectures drawing the resource persons from the Industry Concerned. Aptitude tests and problem solving practices are arranged with the help of industry executives.

A) **Case study:** case study method was adapted in Teaching-Learning process in terms of logical thinking and practical knowledge.

B) **Analysis and reasoning:** Use of internet access and Wi-Fi facility make the students to learn Analysis and Reasoning.

C) **Quiz Programs:** Quiz programs were conducted and winners were given certificates.

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:

MTIET Campus is Wi-Fi enabled with the speed of 300 Mbps internet connectivity and the class rooms are equipped with ICT tools. Teachers use the ICT enabled tools in the classroom while teaching for better understanding. Teachers also prepare a video lectures, audio lectures and PPTs for their subjects. It is essential for the learner to learn and master the latest technologies to be corporate ready. The college used ICT tools in education to support, enhance and optimize to provide quality education.

Teacher also uses the online resources like Google meet, and zoom for online teaching. Faculty and students use e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL).

All the classrooms are equipped with ICT tools.

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:** 13:1**2.3.3.1 Number of mentors**

Response: 121

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:** 100

File Description	Document
List of the faculty members authenticated by the Head of HEI	View Document
Institutional data in prescribed format	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:** 10.94**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**

2020-21	2019-20	2018-19	2017-18	2016-17
13	14	12	11	10

File Description	Document
Institutional data in prescribed format	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: 6.52

2.4.3.1 Total experience of full-time teachers

Response: 796

File Description	Document
Institutional data in prescribed format	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:

Institute follows JNTUA guidelines for the internal assessment of the theory and laboratory. In addition to that institute has carefully designed and implemented the parallel mechanism to ensure preparedness of the students. Complete transparency is maintained in all forms of internal evaluations. Internal examinations are planned in academic calendar and executed as per schedule.

After assessment, answer sheets are distributed and discussed with students for their benefit and to maintain transparency in the evaluation. Internal marks are displayed on notice boards. Overall performance, attendance, feedback about the student is communicated to parents by mentor faculty.

- The attendance record of each student in theory and practical is maintained and displayed on notice board at the end of the every month.
- Effective implementation of evaluation reforms initiated by the institute are ensured by the heads the respective departments by making faculty, staff and students aware of the reform and monitoring their implementation rigorously .
- Display of internal marks of the students on departmental notice board and the performance & progress of student is conveyed to parents/guardian through the Teacher by making calls / SMS or by post.
- For MID exam absentee's re-examination is allowed with proper reasons.

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

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

Response:

Acknowledging that the students are the main stakeholders in any educational institution, a mechanism is devised by JNTUA and institute to bring in complete transparency in the evaluation and to provide the platform for redressal of their grievances pertaining to examinations and internal evaluation.

The institute has adopted fair and transparent process for the evaluation of answer scripts as prescribed by the affiliating university. The evaluation process comprises mainly two components, the formative assessment and the summative assessment and grievance redressal and also being done through a well defined mechanism.

To address all examination and evaluation related problems, senior staff member is being kept in-charge of examination section. An aggrieved student makes an application to the in-charge and he addresses it as per the stipulated norms of JNTUA.

In case of formative assessment related grievance, In-charge of Exams forward it to the respective department. Whenever the grievance is reported regarding the internal evaluation, the concerned Head of the Department (HOD) along with the concerned subject teacher resolves the grievance.

In addition, the following steps were taken:

- 1.Students are made aware of the assessment methods at the beginning of the semester and whenever necessary.
- 2.The subject faculty gives the assessed answer sheets of internal tests to the students and performance is discussed.
- 3.Students having grievances about the internal evaluation, they discuss directly with respective faculty member. If it is not clear the student can discuss with HOD.

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

2.6 Student Performance and Learning Outcomes

2.6.1 Teachers and students are aware of the stated Programme and course outcomes of the

Programmes offered by the institution.**Response:**

The College has clearly stated program outcomes and defined them as per the norms of NBA for all the academic programs. Further, the course outcomes are clearly defined using Blooms Taxonomy for all the courses offered by the Institute. They are aligned effectively to achieve the short term, long term goals and with the the Mission of the Institute. They are stated as under in clear terms with care and diligence:

- * College website: <https://www.mtieat.org> as mandatory disclosure.
- * Central Notice board displayed at length round the year.
- * Departmental Notice Boards display at length round the year.
- * Lesson Plans to be given by the faculty of his assigned subject.
- * Effective and Efficient Survey are conducted periodically among the stakeholders to ascertain the utility of the program. It is meant to review and measure the subject Outcomes.
- * Student Session are arranged to introduce the concepts of PEOs and POs.
- * Faculty Meetings held periodically to monitor as well as revise the PEOs and POs based on the feedback from the stakeholders.
- * Faculty shares their respective COs with the other faculty of the department. Experiences and feelings are shared in such meetings. Any modification, if necessary is made and changes are done accordingly.
- * The formulated COs are communicated to the stakeholders through handouts. While dealing with each topic, the faculty checks for the attainment of the CO. The same is elicited from the students.
- * Awareness about outcome based education is created by distributing informative handouts to parents during Parents' Meeting.
- * Alumni meet is organized once in a year. During these meetings, outcome based education is verified with the alumni and suggestions for improvements are recorded.

File Description	Document
Upload COs for all courses (examples from Glossary)	View Document
Upload any additional information	View Document

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

Response:

The Institution recognized the need for the evaluation of program outcomes and program specific outcomes. Hence, the guidelines given by the NBA are followed in the evaluation of the outcomes with a view to improve the performance the teachers and students. For this purpose, a systematic method of collection of adequate information is also developed.

The continuous internal assessment system viz., 1st and 2nd Mid examinations are designed to examine the appropriateness of the PO's and CO's in the light of Blooms Taxonomy.

Each mid examination is developed and designed with maximum of 30 marks. These marks are distributed in such a manner that each Unit is understood by the student in depth. Accordingly, in R20 & R19 regulations, 15 marks are allotted for descriptive answers, 10 marks for objective questions and 5 marks for assignments. In R15 & R13 regulations, 20 marks are allotted for descriptive answers and 10 marks for objective questions.

The subsequent targets for the students in relation to these examinations are set by the concerned teacher based on the evaluation of previous year's results.

1. The evaluation system is rigorous. It is done by awarding the marks secured by the students to their corresponding Course Outcomes. For this purpose the marks of descriptive questions as well as objective questions are considered.

2. Out of the total 100 marks for the subject, mid tests are evaluated for 30% and the remaining 70% are earmarked for the end semester exam marks.

3. The college follows a process of teaching that urge the teachers to effectively deliver and communicate the subject content to the students. They follow a variety of teaching methods like talking, explaining, discussing and involving the students to repeat the subject matter delivered by the teacher.

4. The teacher encourages students to prepare a paper on the topic of their interest and present in the class room. This system is enabling the students and teachers to identify the utility of the subject matter.

The frequency of the visits of the students to the libraries and reading rooms are periodically examined so as to improve the facilities.

The Institute recognizes the fact that the teachers play a major role in achieving the outcomes.

Hence, they are encouraged to participate in FDPs, Workshops, Seminars, Conferences and Research programs.

In order to achieve the Mission and Objectives of the Institution, the performance of the teachers are also evaluated by obtaining Students' Feedback. In addition to this, the teachers' performance is evaluated by calculating the average marks obtained by the students in their mid examinations.

After strict adherences to the above procedures, the college reviews outcomes. These outcomes are then closely analyzed by subject experts so as to incorporate suitable changes that are required in teaching and learning process.

The MTIET strives its best to ensure that the teachers deliver to their best of their capabilities to enable the students to receive the best that is useful in their career.

File Description	Document
Upload any additional information	View Document

2.6.3 Average pass percentage of Students during last five years

Response: 87.09

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

2020-21	2019-20	2018-19	2017-18	2016-17
371	356	317	330	252

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

2020-21	2019-20	2018-19	2017-18	2016-17
391	396	394	384	299

File Description	Document
Upload any additional information	View Document
Institutional data in prescribed format	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: 3.88

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

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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 in the institution during the last five years (INR in Lakhs)

Response: 17.43

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

2020-21	2019-20	2018-19	2017-18	2016-17
3.8	13.63	0	0	0

File Description

Document

Institutional data in prescribed format

[View Document](#)

e-copies of the grant award letters for sponsored research projects / endowments

[View Document](#)

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

Response: 12

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

2020-21	2019-20	2018-19	2017-18	2016-17
1	2	0	0	0

3.1.2.2 Number of departments offering academic programmes

2020-21	2019-20	2018-19	2017-18	2016-17
5	5	5	5	5

File Description	Document
Supporting document from Funding Agency	View Document
Institutional data in prescribed format	View Document
Paste link to funding agency website	View Document

3.1.3 Number of Seminars/conferences/workshops conducted by the institution during the last five years

Response: 95

3.1.3.1 Total number of Seminars/conferences/workshops conducted by the institution year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
18	20	20	19	18

File Description	Document
Report of the event	View Document
Institutional data in prescribed format	View Document

3.2 Research Publications and Awards

3.2.1 Number of papers published per teacher in the Journals notified on UGC website during the last five years

Response: 0.36

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

2020-21	2019-20	2018-19	2017-18	2016-17
3	6	21	7	3

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

3.2.2 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:** 0.04**3.2.2.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
2	1	1	0	0

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

3.3 Extension Activities**3.3.1 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 Mission of the institute is to produce not only good engineers but also good human beings. Therefore, the institute put up efforts to add values of good citizenship in the students. To develop social responsibility, the institute has established NSS-MTIET since 2016. This unit has been involved in various social service activities in the neighboring localities with the financial support from the management.

About 150 students have enrolled as NSS-MTIET Volunteers. The objective of the NSS-MTIET is to inculcate the habit of understanding the socio-cultural problems of the people. Every Year, the NSS-MTIET organizes orientation program to the freshers to create awareness among the students so as to involve them in social work.

The NSS-MTIET concentrates on the sensitization of the people in the nearby villages about their social problems, school dropouts, child marriages, including health and education have shown a great impact on the holistic development of the students.

The institute has active UBA cell under UBA-MHRD adopted five villages, namely Keelapatla, Keelapalli, kallupalli, Melumoi, & Dandapalli in Gangavaram mandal, since 2018.

Every year the students under NSS-MTIET and UBA, create awareness on current social problem through rallies and gramasabhas. Through all these regular and special programs students created awareness about the following aspects:

SAY NO TO PLASTIC:

The students are encouraged and visited the nearby villages and displayed posters related to the disadvantages of using plastic and its ill-effects on human beings and animals.

TREE PLANTATION PROGRAMS:

To highlight the importance of environment protection and plantation, regular programs inside the College and in adopted villages are carried out. Number of trees has been planted during last five years and all plants have survived due to the water management system developed by students.

VILLAGE HOUSE HOLDS SURVEY & GRAM SABHA:

As a part of UBA-MHRD, the survey program was carried out in all the adopted villages and students have interacted with the villagers and collected the basic data and their social related problems for technical solutions. Gramsabhas are conducted with villagers with the support of local bodies to create awareness on different aspects such as water management, waste management, solar power utilization etc.

The NSS unit of MTIET organizing many social relevant activities for the benefit of neighborhood community out of which the following sample major activities listed

- Awareness on no tobacco usage.
- Blood donation camps
- Free medical camps
- Awareness on digital payments and cash less transaction
- Swachh bharat mission
- Awareness on cyber crimes
- Awareness on rural development through literacy
- Awareness on waste management
- Awareness on women empowerment

File Description	Document
Upload any additional information	View Document

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

Response: 0

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

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

File Description	Document
Institutional data in prescribed format	View Document

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

Response: 78

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

2020-21	2019-20	2018-19	2017-18	2016-17
8	15	18	19	18

File Description	Document
Reports of the event organized	View Document
Institutional data in prescribed format	View Document

3.3.4 Average percentage of students participating in extension activities at 3.3.3. above during last five years

Response: 84.08

3.3.4.1 Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
774	1491	1345	1466	1414

File Description	Document
Report of the event	View Document
Institutional data in prescribed format	View Document

3.4 Collaboration

3.4.1 The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-job training, research etc during the last five years

Response: 76

3.4.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-job training, research etc year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
11	14	18	17	16

File Description	Document
Institutional data in prescribed format	View Document
e-copies of linkage related Document	View Document
Any additional information	View Document

3.4.2 Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the last five years

Response: 18

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

2020-21	2019-20	2018-19	2017-18	2016-17
5	3	4	1	5

File Description	Document
Upload any additional information	View Document
Institutional data in prescribed format(Data template)	View Document
e-Copies of the MoUs with institution./ industry/ corporate houses	View Document

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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:

Response:

Mother Theresa Institute of Engineering and Technology has a beautiful landscape, aesthetic architecture, eco-friendly environment, spacious classrooms, well equipped laboratories and good infrastructure spread over 10.25 acres.

Classrooms:

The Institute has 28 well furnished, spacious and ventilated classrooms which are also well illuminated. Classrooms are maintained as per norms for proper visibility and audibility. The classrooms are equipped with blackboard, projectors, fans, lights and power backup. All the classrooms are provided with LCD projectors, LAN / Wi-Fi connectivity.

Laboratories:

The Institution has 42 domain centric laboratories as per AICTE norms. Adequate and well maintained equipment to conduct experiments is available. The laboratories are kept open beyond the working hours depending on the need of the students. Sufficient safety measures have been provided and are displayed in the laboratories.

Seminar Halls:

The college has 4 seminar halls and one conference hall to conduct seminars, conferences, guest lectures, and workshops for students and faculty, with adequate seating capacity, LCD projectors, whiteboards, raised platforms and public address system with internet facility.

Computer Laboratories:

The Institution has 524 computers. Every department has separate computer labs for conducting programming & simulation experiments to enhance the skills of the students.

Library:

The institution recognizes the importance of the library as a good learning resource. It is updated regularly with the latest books & journals. The central library has a floor area of 457.5 Sq.Mtrs. with a seating capacity of 150. Library has reprographics facilities. The digital library has 15 systems with internet facility. In addition to these, the institution subscribed 4200 e-journals through the vendor J-Gate, 920 e-journals through DELNET and 1000 e-books. The library has stacked with 29,823 volumes of 1956 titles along with 30 printed Journals & Magazines.

Hostel:

Hostel facility is provided for Boys and Girls Separately in the college Campus. It has adequate high security and good environment. The hostel has a separate dining hall and well equipped kitchen catering to more than 600 members.

Transport, Medical, Girls Common Room and Canteen facilities, etc.,

The Institute provides good transport facility for the students and staff from various parts of the town and also from interior rural areas covering 50 Km radius. A health center provides first aid facility and has a tie up with a nearby hospital for any medical emergencies. An ambulance is available 24X7 to meet emergencies. Girl's common room available in the campus. Canteen facility is provided at subsidized rates.

Infrastructure Maintenance:

All the classrooms, computer labs and department laboratories with its equipment are maintained properly. Fire extinguishers are available with each department on each floor as a precaution to avoid major haphazard. CCTV surveillance, generator backup and RO water purifier, etc. are well maintained. Housekeeping unit takes care of maintaining complete cleanliness in the Institute.

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:****Response:****Cultural Activities:**

To promote cultural events among students, Rainbow clubs were constituted by the college which includes Photography, Painting, Short film making and Music clubs which exhibits student's creativity. Brain club, Literary and Communication club develops their speaking and thinking skills. It encourages the students to participate Inter Collegiate and Inter University cultural festivals. Cultural festival named AAROHAN is organized in the college every year by inviting students from other colleges.

Apart from participation at various sports and cultural activities, College also organizes the following events every year:

- College Annual Day.

- Inter- department sports competitions.
- Inter – Collegiate Sports and Cultural Competitions.
- Flash Mob.

Sports and Games (Indoor & Outdoor):

The institution has enough sports and games facilities for both indoor and outdoor such as Cricket, Football, Volleyball, Throwball, Kabaddi, Kho-kho, Tennikoit, Badminton, Athletics, Carroms and Chess.

- Travelling and TA/DA is provided for the student to participate in the events.
- Sports material and uniform is provided to the college teams to participate in the events.
- Our students have excelled and won prizes in various inter collegiate and university competitions.
- Annual Sports day is organized and meritorious sports persons are honored.
- An open auditorium with a capacity of 150 students.

Gymnasium:

- Multi Stage Gym is available in our college.
- Physical Director is kept in-charge of the gym to monitor the activities.

Yoga:

- Yoga instructor monitors yoga classes in the yoga center which can accommodate 150 students at a time.
- International Yoga day is celebrated every year

The details of infrastructure and facilities available for sports and games are detailed in the table below:

NAME OF THE FACILITY	Quantity / courts / playfield available for usage	Area	
		(in sq.m)	(in sq.ft)
Indoor games			
Carrom Boards	8	29.88	321.625
Chess Boards	13		
Outdoor games			
Basketball Court (Men & Women)	1	455.84	4906.65
Volleyball Court (Men & Women)	1	31.2	336.56
Throwball Court	1	31.2	336.56

(Women)			
Badminton Court	1	207.17	2230.01
Tennikoit	1	930.6	10016.895
Kabaddi	1	437	4704.1
Kho-kho	1	1036.37	11155.4
Cricket, football, athletic Track	1(200mts(6lanes))	5300.73	57056.6
Multi gymnasium hall	7 individual &	108.14	1164
(Men & Women)	1 multi station		
Yoga	Open auditorium	950.5	10231.1

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: 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 32

File Description	Document
Upload any additional information	View Document
Institutional data in prescribed format(Data template)	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: 54.22

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

2020-21	2019-20	2018-19	2017-18	2016-17
195.97	223.87	310.69	301.1	348.46

File Description	Document
Upload audited utilization statements	View Document
Upload any additional information	View Document
Institutional data in prescribed format(Data template)	View Document

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

Response:

S.NO	NAME OF ILMS SOFTWARE	NATURE OF AUTOMATION	VERSION	YEAR OF AUTOMATION
1	Libsoft	Fully	9.8	2010

The Library has been provided with Library Management Software (Libsoft) which is an user-friendly interface, built on international standards and open technology. Libsoft covers Acquisition, Cataloguing, Circulation, Material Report, Books Reservations, Barcode facility, Serial control and Online Public Access Catalog (OPAC). The library automation allows a seamless workflow with a powerful tool to manage library operations effectively. Reprographic facility is available to the students and staff.

The library has open access system encouraging the user to browse freely in the stock area. The details of Integrated Library Management System are as follows:

Online Public Access Catalogue (OPAC): Open for all Students and Staff through remote access.

The Central library of the institution is of 457.5 Sq.m, with a total seating capacity of 150, with a qualified Chief Librarian, Librarians and supporting staff. The Library is kept open from 08:00 AM to 06:00 PM on all working days. It has 1676 titles, 29823 volumes, SC book bank with 57 titles, 1024 volumes, 30 printed national and international journals and 10 daily news papers. The library includes digital library with modern facilities and access to e-books, e-journal, e-learning and scanned old question papers are available.

The digital library is a unique addition reflecting the use of technology for sharing knowledge and resources. 15 computer systems are made available for the users at digital library. Faculty can access these facilities from their respective departments. Availability of the e-books can be accessed by using mobiles.

The library has e-books and e-journals. Institution has membership in National Digital Library, JNTUA e-Consortium, which provides access to national and international journals. The library has a corporate membership in DELNET and Knimbus.

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: A. Any 4 or more of the above

File Description	Document
Upload any additional information	View Document
Institutional data in prescribed format(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: 6.24

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)

2020-21	2019-20	2018-19	2017-18	2016-17
0.9602	3.17692	5.02916	10.58202	11.43928

File Description	Document
Institutional data in prescribed format(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: 30.22

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

Response: 502

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:

Response:

Institute has taken an initiative to upgrade itself in providing IT facilities to students and faculty. With 110 computers in the year of establishment, the institute now possesses **524** computers with latest configuration. Each department has its own computing facility. All 524 computers are LAN connected.

1. Hardware and Software Facilities

S.NO.	ITEM & CONFIGURATION	QUANTITY	
1	Systems configuration		Inter 250
2	Computer- Student ratio		
3	Wi-Fi facility		
4	Proprietary software / Open source software		Mic
5	Number of nodes/ computers with Internet facility		Al Int TATA Airt Al
6	LAN facility		th

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List of Softwares:

S. No.	Name of the Software	Licensed / Open Source
---------------	-----------------------------	-------------------------------

Operating Systems		
1	Microsoft Dream spark	Licensed
2	Microsoft get genuine	Licensed
3	Fedora Linux	Open Source
Application Software and Others		
1	IBM Rational SEED Program	Open Source
2	K-Van S/W	Licensed
3	Turbo C	Open Source
4	Putty 0.6.0	Open Source
5	JDK 1.7	Open Source
6	XAMPP 7.0.9 (Apache + PHP + Mysql)	Open Source
7	J2ME	Open Source
8	PC Studio	Open Source
9	P.SPICE	Open Source
10	Auto CAD	Open Source
11	Edge CAM	Open Source
12	Ansys 14.3	Open Source
13	Matlab	Licensed
14	Multisim	Open Source
15	PTC	Open Source
16	MASAM	Open Source
17	TASAM	Open Source
18	ORCAD	Open Source
19	Microsoft Office	Open Source
20	Xilinx	Open Source
21	Visual Studio	Licensed
22	Argo UML	Open Source
23	R studio	Open Source
24	Python	Open Source
25	Catia	Licensed
26	Hadoop	Open Source
27	STAADpro	Open Source

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To synchronize syllabus with industry, Institute uses open source application and system software for keeping students updated.

Internet service is made available in the institute to students and faculty, with a bandwidth of 300 Mbps connection. The institute has separate Computer Centre with internet facility. All the IT facilities are minutely looked upon by system admins: 1. S. Basheer & 2. G. Vijay Kumar and team of technicians.

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: 3:1

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: A. 750 MBPS

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: 45.78

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)

2020-21	2019-20	2018-19	2017-18	2016-17
118.79	282.86	267.96	258.52	261.36

File Description	Document
Upload any additional information	View Document
Institutional data in prescribed format(Data template)	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:

Response:

The Institute has well defined system of maintenance of its academic and physical support facilities like laboratory, library, sports ground, computers, class rooms, fire safety system, solar panel, intercom facilities, etc. Administrative Officer: Mr. P.S. Hema Chandra, looks after regular maintenance and repairs of furniture, masonry, painting, plumbing, housekeeping, gardening, transport, RO plant, telecom and IT services.

Regular cleaning of class rooms, floor, laboratories, library and rest rooms are done by housekeeping staff. Adequate staffs are employed to meticulously maintain cleanliness of infrastructure to provide a congenial learning environment. Dustbins are placed in every floor. The campus maintenance is monitored through surveillance cameras. The green cover of the campus is well maintained.

Laboratory:

The laboratories are well maintained, lab in-charge and staff in-charge are taking care of maintenance works and well established procedure is available for service and maintenance of lab equipment. Periodical verification for the equipment is carried out. The minor repair/service will be done by the technical staff with lab in-charges and the major service requests will be forwarded to the Principal through Head of the

Departments. The maintenance department, find out the suitable service personal for rectification. Annually stock verification of all the laboratories and other facilities are carried out. The computer laboratories are supported with power backup system.

Library maintenance:

The Central Library of the institute is stacked with thousands of books and periodicals. These are arranged neatly in the prescribed order. Pest control is being done regularly. Established procedures in Library are:

- All the staff and students of the Institution are eligible to get library membership.
- Staff and students of the Institution need to fill up library membership form with the certification of the authorities. After becoming member, books are issued to staff and students.
- The students and staff can use the borrowed book(s) till the end of the semester.
- The students must renew the book for every fortnight. Late return of the book will be imposed with fine.
- Valid ID card is a must for utilizing library services. Reference books, periodicals and journals will not be issued.
- Staff and students can use digital library for their academic and research purpose.
- Annual stock verification is being carried out regularly.
- **Book purchase procedure**
- Librarian will call for books and journals requirement from various departments.
- After getting approval from the Principal and Management the books will be purchased.

Physical Education Department:

- To motivate sports and games activities among student community and to create bonhomie, department of Physical Education has been encouraging and promoting these activities for students and staff in the college.
- The Management, Principal, HODs and Faculty members extend support for organizing the tournaments and other sports activities from time to time.
- The Physical Directors are actively involved in training the students for various sports and games events.
- Our college students represent different events in JNTUA, Ananthapuramu and South Zone Inter-University Tournament for different indoor and outdoor games.
- The Institute possesses sports facilities and play ground to play Football, Cricket, Volleyball, Shuttle, Badminton, Throwball etc., and it is being well maintained.
- Well maintained Gym is available in the campus.

Electrical and other maintenance:

- The College has a good team of in-house electricians & plumbers to maintain electrical equipment, generator, lighting systems, air conditioners, solar panels, fire safety and RO systems.

Transport maintenance:

The transportation facilities are maintained by Transport Incharge.

- The college has a fleet of busses which is provided to students and staff.

- Experienced Licensed drivers with good vision and physical fitness are being employed.
- Periodical renewal of FC, Insurance and Pollution control certificates.
- Buses are regularly cleaned, sanitized and greased for smooth running.
- College has its own garage with experienced service men in premises for all minor and major repairs.
- A separate stores department is functioning to supply the required automobile spare parts

Supporting Staff and Maintenance staff details:

S. No.	Department	Incharge Name	Designation
1	Security	P. Balaraju, K. Anilkumar	Security Officer (S.O)
2	Transport	P. Yatheeswar Reddy	Transport In-Charge
3	Canteen	M. Muneedra	Canteen In-Charge
4	Boys Hostel	B. Sagarnaik K.A. Kirankumar	Boys Hostel Warden
5	Girls Hostel	R.K. Vijaya G. Santhamma	Girls Hostel Warden
6	Sports	K.P. Praveenkumar V. Murali	Physical director
7	Library	K.Ramanna Praveen Desai M. Gangadevi	Chief Librarian Librarian Attender
8	System admin	B. Dileep Babu	Network Admin

		G. Vijaykumar	System Admin
File Description		Document	
Upload any additional information		View Document	
Paste link for additional information		View Document	

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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: 72.68

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)

2020-21	2019-20	2018-19	2017-18	2016-17
1080	1080	1191	1161	1101

File Description	Document
upload self attested letter with the list of students sanctioned scholarship	View Document
Upload any additional information	View Document
Institutional data in prescribed format	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: 86.77

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)

2020-21	2019-20	2018-19	2017-18	2016-17
1331	1286	1415	1505	1171

File Description	Document
Upload any additional information	View Document
Institutional data in prescribed format	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: A. All of the above

File Description	Document
Institutional data in prescribed format	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: 91.19

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

2020-21	2019-20	2018-19	2017-18	2016-17
1385	1418	1438	1422	1377

File Description	Document
Institutional data in prescribed format	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: A. All of the above

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

5.2 Student Progression

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

Response: 85.34

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

2020-21	2019-20	2018-19	2017-18	2016-17
345	340	335	325	248

File Description	Document
Upload any additional information	View Document
Self attested list of students placed	View Document
Institutional data in prescribed format	View Document

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

Response: 7.67

5.2.2.1 Number of outgoing student progressing to higher education.

Response: 30

File Description	Document
Upload supporting data for student/alumni	View Document
Institutional data in prescribed format	View Document

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

Response: 18

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

2020-21	2019-20	2018-19	2017-18	2016-17
4	2	1	1	1

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

2020-21	2019-20	2018-19	2017-18	2016-17
10	10	10	10	10

File Description	Document
Upload supporting data for the same	View Document
Institutional data in prescribed format	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: 17

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.

2020-21	2019-20	2018-19	2017-18	2016-17
2	2	6	7	0

File Description	Document
Institutional data in prescribed format	View Document
e-copies of award letters and certificates	View Document

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

Response:

Response:

The institute motivates active participation of students through nomination by HODs and Principal, to encourage the involvement of interested and active students for each committee along with staff. The institute has constituted the following academic and administrative bodies with student representatives.

- Anti-ragging committee
- Grievances Redressal Cell
- Sports and Games committee
- Cultural Activities committee
- NSS-MTIET
- College News Letter committee
- Women Empowerment Cell

The students are actively involved in organizing and executing the following activities.

- Tech fest
- Extension activities
- Annual social gathering
- Blood donation Camps
- Tree plantation
- Medical Camps

Administrative activities:

For smooth functioning of the institution administrative setup from the management and staff, to involve student participation and their ideas to inculcate leadership qualities in decision making.

- Class Review Committee
- Department Advisory Committee

Co-curricular activities:

- Quiz
- Assignments

- Internships
- Group Discussions
- Debates
- JAM

Extra-curricular activities:

- Painting
- Photography
- Music

Sports and Games:

The college provides unflinching support to the Sports and Games activities for both teachers and the students. The College believes that a strong mind needs a strong body. Qualified Director of Physical Education trains both boys and girls in the sports and games of their interest. Playground is properly maintained to play all field and indoor games with required kits are being equipped. Tracks for sporting events are made available.

The achievements of MTIET students are..

- M. Sai Phaneendra has been awarded with Merit Certificate from JNTUA South Zone Chess Tournament held on 01/04/2022.
- M. Sai Phaneendra has been awarded with Merit Certificate from JNTUA Chess Inter-college Tournament and IUC selections held on 27/12/2021.
- G. Dileep Krishna of CSE has been awarded with Merit Certificate in All India (South Zone) Inter University Cricket held on 26/11/2019.
- V. Dhanesh of ECE has been felicitated with Merit Certificate in All India (South Zone) Inter University Volleyball held on 26/11/2019.
- Inter-departmental sports and games are organized and prizes are given on the Annual Sports Day.
- Students are encouraged to participate in inter-collegiate, inter university competitions and special coaching is given.
- Special talents of such students are identified and trained for participating in zonal and state level competitions.
- Sports uniform and accessories are provided to sports personnel by the Management with free of cost.
- To help victims and victim areas of natural calamity and disasters like earth quakes, flood, storms, malnutrition, fire accidents etc..

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: 25.4

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

2020-21	2019-20	2018-19	2017-18	2016-17
8	26	34	35	24

File Description	Document
Report of the event	View Document
Institutional data in prescribed format	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:

Response:

The Alumni Association of MTIET “MAA (MTIET Alumni Association)” is registered in 2019 with the Registrar of Societies, **Reg No. 281 of 2019**, dated 29/08/2019. The Principal of the college acts as President and senior staff members act as other office bearers and old students are the members. Periodical meetings are arranged to review the activities. MTIET Facebook page, department Watsup, Instagram, Twitter, group mail ids, etc. are available to connect with the alumni and conduct face to face alumni interaction programs.

The main objectives of association are

- To promote and foster mutually beneficial interaction between Alumni and the Institute.
- To encourage the Alumni to take abiding interest in the process and development of Institute.
- To arrange and support the placement activities for the benefit of present students of the Institute.
- To encourage the staff and students of the Institute to take up the Research & Development

activities in various fields of Engineering.

- To mentor the students towards higher education, development of character and personality to become responsible citizens.
- To encourage and guide the students of the Institute on self-employment and to become future entrepreneurs.
- Promote the Industry-Institute interaction to bridge the gap between industry requirements and education offered and enhance student's employability.
- To encourage and support students of the Institute to participate in sports, cultural and extra-curricular activities.
- To organize debates, seminars, and discussions on various social issues.
- To help towards environmental conservation and eco balance PPTs, street play, demos, pamphlets and all possible ways are being used.
- To help and guide students and ex-students of the Institute for anti-drug, anti-ragging, and any other anti-social activities.

Contributions of Alumni:

The institution conducts alumni meets every year. Alumni students are interacted with the respective HoDs and give them information regarding latest trends and technologies in the industries in which they work, so that suitable modifications may be done by the staff in the delivery of curriculum and also necessary infrastructure has been developed by the management.

- Alumni interacted with the final year students and guide them in preparing for campus interviews in core and IT companies.
- Alumni helped in arranging seminars in key areas.
- With the interaction of Alumni students, chances of identifying the industries for current students to undergo in-plant training and Internships etc for their overall development.
- Donate books to the Department library.
- Act as brand ambassadors of the college.
- Feedback on curriculum, Program Outcomes to enhance teaching/learning process.

By the above activities, alumni association is contributing a lot in achieving the VISION and MISSION of the institution.

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: A. ? 5 Lakhs

File Description

Document

Upload any additional information

[View Document](#)

NAAC

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:

Vision

To promote excellence in the field of Engineering Education, Research and Consultancy which encompasses knowledge, skills and values to produce technically and intellectually competent and socially committed students to become responsible citizens.

Mission

- To empower the students in developing professionalism through innovative teaching and learning process.
- To improve high ethical values in engineering and technology through research and consultancy.
- To promote high standards in education to meet the needs of the society.
- To impart knowledge and technical skills to enhance intellectual property of primary stake holders.

To implement the above, an administrative structure is evolved with the Board of Governing Council consisting of Principal as Chairman, Heads of Various Departments, Training & Placement Officer, One of the Professors, One of the Associate Professors, One of the Assistant Professors, Administrative Officer, Accounts Officer, Management Nominee, Local Society Member, Industrialist, Parent, Alumni, Employer as Members.

Their duties and responsibilities are well defined to maintain academic standards so as to improve the capabilities and knowledge of the primary stake holders. The Governing Council is effectively manage the properties, finance and infrastructure.

Academic and administrative activities are planned, directed and organized by the Principal with the support of the Academic and Administrative officers as per the policies, programs and procedures. He is to strive to meet the needs of the students, parents, teachers and members of the society.

Principal is the supreme authority of the institution and some of the major functions are:

- Custodian of all records of the college.
- Preparation of annual report of the college every year.
- Planning the academic schedule and conducting the academic activities as prescribed by the University.
- Exercise authority to regulate the working of the employees of the college and ensure that they perform the duties as assigned to them.
- Sanctioning of leave, permission and vacation to the staff.

- Deputing the faculty and other staff for STTPs, technical conferences and training as per the terms and conditions laid down by the Board of Governing Council.
- Supervising and organizing the activities proposed as per academic calendar.
- Delegating the powers to a senior most faculty member during the period of absence.
- Conducting the Governing body meetings in order to approve the Institutional requirements.

The Governing Council meets four times in a year and discuss the agenda. The council reviews the performance of the college of the previous year with regard to various activities and approve the policies, budget etc..

The Internal Quality Assurance Cell monitors the Program Educational Objectives (PEOs) to meet Program Outcomes (POs).

The Course Outcomes are mapped to POs and PEOs which aligned with the Vision and Mission of our institution.

The feedbacks/inputs from the stakeholders have been analyzed to ascertain additional inputs required in training, teaching and research to meet the Vision and Mission.

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:

Transferring and control of activities to several faculty members than a single one is known as decentralization. To decentralize the administration, committees like admissions, discipline, examinations, sports & games, cultural activities etc.. are constituted with a convener assisted by staff and students to monitor as a coordinated unit, to discharge the duties reflecting the leadership qualities.

The staff are allowed to participate effectively to strengthen the organization like decision making , problem solving which promote employees commitment onwards the organization reflecting the participative Management. The College initiates staff to plan various activities in the day to day functioning of the college to achieve excellency through decentralization and participative management.

Principal coordinates all these activities with the help of Heads of the Departments. The faculty members take active participation in implementing various quality improvement plans and programmes. The policy statements, code of conduct and action plans are framed based on the needs of university, industries, society etc. The Principal implements strategic plan and ensures that every teaching and non teaching staff have active involvement in the development of students.

The stake holders are:

Students:

- Students feedback is considered to introduce innovative teaching and learning methodologies.
- Students input will help to introduce the elective courses to meet current trends.

Alumni:

- Alumni are the focused group, because their success is a measure of the long-term success of our institute and programmes.
- Alumni feedback help the students to meet recent trends in engineering.

Industry:

- Industry feedback is necessary to meet the gaps in curriculum between program and industry.
- Students are trained to improve not only technical skills but also leadership qualities.
- Eminent Persons from industry are invited to conduct workshops, hands on training to create awareness on emerging technologies among the students and faculty.

Faculty:

- Faculty members involve in various committees to ensure the smooth functioning and monitoring of the program as per regulations.
- Faculty members provide inputs for effective implementation of PEOs, POs, COs and its assessment.

Management:

Management encourages coordination among all the stake holders of the institute for smooth functioning and growth of the institution.

Parents:

Desire their wards to settle in good professional careers and pursue higher education

It is made mandatory to establish various committees for effective implementation of institutional practices so as to encourage majority staff members to achieve the targets of the institution. The following committees are constituted :

- Governing Body

- Governing Council
- IQAC
- College Academic Committee
- Training and Placement cell
- Examination Cell
- R & D Cell
- NSS-MTIET Unit
- Employee Welfare Committee
- Library Committee
- Anti-Ragging committee
- Grievance & Redressal cell
- Student Discipline Committee
- Extracurricular Activities Committee
- Extension Activities Committee
- Women Empowerment Cell
- SC/ST Committee
- Career Guidance Cell
- Finance Committee
- Alumni Committee(MAA)

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 strategic plan of the Institution is to promote excellence in the field of Engineering Education, Research and Consultancy which encompasses knowledge, skills and values. Providing students a platform for exercising their potential to gain suitable placement in industry is the part of our strategic plan.

To achieve this goal a Training and Placement Cell is headed by a senior staff member supported by various trainers to teach aptitude, reasoning, soft skills and technical skills. The Placement officer with the assistance of department coordinators and office staff monitor the various Training and Placement activities.

TRAINING PROGRAMMES:

At the beginning of the academic year, a detailed training schedule for Soft Skills, Aptitude & Reasoning, and Add-on Courses for skill development are prepared.

Based on the feedback from prospective employers, the Add-on Courses are introduced. Time table is prepared by each department to induct training hours apart from academics.

TATA group of company has identified the institution as Skill Hub by establishing labs and training for interested students in the IOT.

The Add-on Courses are imparted. On completion of the course, feedback is collected for further improvement.

PLACEMENT PROGRAMMES:

At the beginning of the Academic year, Companies are identified and compiled. Details of students are shared based on the eligibility criteria of the company. Based on mutual convenience, dates are decided for the recruitment process. Offer letters are issued to the selected students on successful

completion of the process. The summary of Placement and Training activities are consolidated by the

Training and Placement section which submits the report to the Principal every year.

Short Term Goals (STG):

STG 1: Accreditation by NAAC with highest grade.

STG 2: To secure NBA accreditation.

STG 3: To get better NIRF and ATAL Ranking.

STG 4: To encouraging the teachers and students to undertake research activity and publish research papers in reputed journals.

STG 5: Create a provision for internships on latest technologies.

STG 6: To foster creativity and innovation among the students by establishing Incubation

STG 7: To encourage the faculty members to publish the patent and apply for grant.

STG 8: To facilitate students to become entrepreneurs.

STG 9: Faculty exchange programs with premier Institutes which help the Institute to adapt successful pedagogy.

Long Term Goals (LTG):

LTG 1: Establishment of Incubation and Innovation centre.

LTG 2: Identification of the local resources including manpower so as to scale them up to accelerate economic development.

LTG 3: To secure Autonomous status to the institution.

LTG 4: To collaborate with foreign educational institutions in business and research areas.

LTG 5: To create an environment to raise the Institution to the status of Deemed to be University

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:

The following Institutional bodies are constituted and they are functioning effectively and efficiently.

- Governing Body
- Governing Council
- IQAC
- College Academic Committee
- Staff Recruitment Committee
- Examination Cell
- R & D Cell
- Employee Welfare Committee
- SC/ST Committee
- Finance Committee
- Alumni Committee

It is resolved to the develop and implement the following policies

- Policy for admission
- Policy on e- governance.
- Policy on providing financial support to teachers.
- Policy on pollution free campus
- Policy on energy audit
- Policy on disabled-friendly and barrier free environment
- Policy on code of conduct

- Policy on Quality
- Policy on Human Resource

The administrative setup, appointment, service rules and procedures are as follows

- Governing Body take necessary steps for the implementation of various rules and regulations of AICTE and the relevant acts of Government of Andhra Pradesh scrupulously.
- The Governing Body shall take the decisions regarding the new programmes of study to be introduced,
- The Governing Body reviewed the annual audit reports of earlier years and prepared budget estimates for the future.

Recruitment and Promotion:

For the posts of Principal, Professors, Associate Professors and Assistant Professors, the guidelines are followed as per AICTE norms. In respect of all other posts the Governing Body of the Institute has the power to prescribe the recruitment qualifications. The posts are filled by open advertisement by the Principal / Secretary & Correspondent. The applications received for the posts belonging to the categories of Academic staff, Administrative officers, Technical Supporting Staff, Ministerial staff and class-IV staff are screened by the College recruitment committee and short listed candidates are interviewed. The qualified members are recruited, by the Secretary & Correspondent.

Committee for Faculty Recruitment:

The selection board will have the members as under:

- Secretary and Correspondent.
- Principal
- University Nominee
- HOD
- Subject Experts

The staff are recruited based on the qualifications, experience, demo in the class room and feedback of the students. The staff members are promoted based on their teaching experience, research activities and administration abilities to higher positions, which is to be endorsed by the Management.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document
Link to Organogram of the Institution webpage	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: A. All of the above

File Description	Document
Screen shots of user interfaces	View Document
Institutional data in prescribed format(Data template)	View Document
ERP (Enterprise Resource Planning) Document	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 management of the institution understands and appreciates the efforts of staff members. It recognizes their hard work and acknowledges their needs and requirements. As a result the institution has a very strong welfare policy for its teaching and non-teaching staff.

The management is implementing the following welfare measures for teaching and non teaching staff for their progression and career development.

- The staff members are allowed to attend various Professional Developmental Activities.
- Sanction of yearly increments
- Special rewards for efficient staff
- Faculty are allowed to attend refresher courses and orientation courses to update their knowledge
- Flexible working hours are allowed to the faculty, if necessary.
- The institution motivates the faculty for research and development
- Rewards are constituted for paper publications, book publications
- Study leave is provided for their higher studies
- Free transport facility
- Refreshment facilities
- First Aid Centre is available
- Ambulance service at the time of emergency
- A baby care centre for the children of working women.
- Special provision for maternity leave
- Sanction of special leave for the marriage
- Fee concession to the staff children for their education in the college
- Salary advance is allowed
- Group insurance for teaching and non- teaching staff

- Institution is paying PF for all eligible staff
- Guest house facility is provided, based on their need
- Reimbursement of registration fee of Professional body membership
- Financial support to attend conferences/workshops
- For physically disabled teaching staff class rooms are arranged in the ground floor
- A Grievance & Redressal Cell is constituted for staff members.
- Canteen & Hostel facility is provided at concessional rates.

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: 40.6

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

2020-21	2019-20	2018-19	2017-18	2016-17
61	40	46	36	42

File Description	Document
Upload any additional information	View Document
Institutional data in prescribed format(Data template)	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: 10.4

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

2020-21	2019-20	2018-19	2017-18	2016-17
10	12	10	8	12

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
Institutional data in prescribed format(Data template)	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: 50.32

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

2020-21	2019-20	2018-19	2017-18	2016-17
84	49	49	50	48

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
Institutional data in prescribed format(Data template)	View Document

6.3.5 Institutions Performance Appraisal System for teaching and non-teaching staff

Response:

The Institution is implementing self appraisal system to allow the staff to excel and put forth the best efforts in teaching and administrative activities. Staff retention is one of the strengths of the institution.

Performance of teaching and non-teaching staff is evaluated by the institution. Increments are given on the basis of the appraisal system of the college. Ratings are given to the staff considering feedbacks given by

the students. Performance appraisal of individual accomplishments in terms of self rating for parameters like attendance, results, paper presentations, publications, conferences, workshops, seminars attended, certifications and awards received, involvement in social works etc.. These are forwarded to the Principal through HODs. The academic committee analyzes the recommendations and forward to the college management.

The following factors are considered in the appraisal system for teaching staff:

- Effective curriculum delivery to motivate students
- Skill upgradation through participation in Conferences, Workshops, and Faculty Development Programs
- Innovative teaching practices
- Academic results
- Research projects, publications, patents and books
- Consultancy activities
- Mentoring and counseling methods
- Feedback from students
- Feedback from HOD
- Feedback from the Principal
- Active participation in team work
- Recognitions and Awards received
- Involvement in community service
- Participation in extra curricular activities

The following factors are considered in the appraisal system for non-teaching staff

- Skill upgradation
- Feedback from HOD
- Feedback from Principal
- Active participation in team work
- Work discipline

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:

The College has a well developed accounting and audit system. The accounts books and the records are maintained to meet the needs of the Government as well as the Management. There is a separate

Accounting department headed by a qualified Accounts officer. Under his control office assistants are working. They look after the work relating to fee collection, Examination accounts, Stores and Grants-in-aid. Suitable accounting software is used for effective maintenance of accounts.

The budget approval is given based on the proposals given by the individual departments. The comprehensive budget proposal is submitted to the Governing Council for review and approval. Audit is carried out by the Chartered Accountants at the end of every financial year. The college has both Internal and External audit systems.

For the purpose of maintaining the accounts of the College, the following records are maintained

- (a) Admission Register
- (b) Cash Book
- (c) Stock Register
- (d) Aquittance Register
- (e) Supporting Registers and Records.

To ensure accuracy of accounting records there is a system of Internal Audit and External Financial Audit. The college follows the Government Financial Rules (GFR) which is applicable for an educational institution.

Internal audit: The Principal constitutes an Internal audit committee with three staff members. The audit is conducted periodically on sampling basis to check the correctness of the financial transactions and statements. Cash books and balance sheets are analyzed to know the liquidity position of the college. Suggestions raised in Internal audit will be implemented in the forth coming year.

External audit:

The External audit of the institution is done by the auditors and the reports ratified by the Finance committee and Governing Council are submitted to the management. The latest audit was done for the Year 2020-21.

The funds received from AICTE under the scheme of SPICES, MODROB-RURAL and STTP are utilized as per the norms and the same has been audited by the external auditor.

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:** 0**6.4.2.1 Total Grants received from non-government bodies, individuals, Philanthropers year-wise during the last five years (INR in Lakhs)**

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

File Description	Document
Institutional data in prescribed format(Data template)	View Document

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources**Response:****RESOURCE MOBILIZATION**

The institution developed a strategy for mobilizing resources and ensures transparency in the financial management of the institution. It primarily depends on the quality enhancement and the reputation of the institution. Competent faculty with necessary qualifications, State of art laboratories and good placement record enabled fixation of better fee by the Govt. Fee Regulatory Authority. Research funding and Consultancy from Govt. and Non-Govt. organizations and donations from philanthropists may be used for the maintenance of quality.

The following are the different ways of mobilizing the funds for the institution.

1. Tuition fee

The major source of revenue generation is tuition fees collected from students. The fee is fixed by Andhra Pradesh Fee Regulatory Committee (APFRC). 70% of the students are admitted through EAPCET/ECET Counseling under convener quota and 30% through Management Quota.

2. Sponsored research and Consultancy

Funds may be mobilized for sponsored research projects from National funding agencies such as DST, UGC, AICTE, DRDO, ISRO, etc. and Non-Government agencies and revenue generation through consultancy work.

3. Alumni contribution

Mother Theresa Institute of Engineering and Technology Alumni Association (MAA) donations are spent for Institutional developmental activities.

RESOURCE UTILIZATION

The resources are utilized for the following as per the approved budget

- Teaching, non-teaching and supporting staff salaries and benefits.
- Furniture, Laboratory equipment, consumables etc.
- Industry collaborations.
- Central Library
- Research and Development Cell
- Training and Placement Cell
- Software procurement, up-gradation and maintenance
- Internet, Wi-Fi, LAN
- CCTV unit maintenance
- Student Services- NSS, Sports
- Power and fuel
- Printing and stationery
- Postage and telephones
- Affiliation and renewals
- Travelling expenditure
- Repair, replacements and maintenance
- Taxes and licenses
- Scholarships to merit and poor students.
- Green campus initiatives

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:

The main objective of establishing IQAC in our college is to have thorough checking of every activity in the institution, assessing and evaluating the quality of education in a phased way to improve the quality of education. The IQAC plays an important role in ensuring quality of the functioning of academic units of college. In order to make the students aware of the current and futuristic challenges and opportunities, the teaching faculty is encouraged and motivated to develop a scientific temper so as to propagate a research culture amongst the students. This is achieved by constantly sharing new research findings in their

respective fields with the students.

The practices institutionalized by IQAC are:

Practice-1: Enhancing Quality in teaching-learning process:

The primary objective of IQAC is to improve the academic performance of the institution and observe the teaching-learning process. For every semester, the faculty members prepare the lesson plans of their respective subjects before the commencement of the classes. The format of the lesson plan is revised by the IQAC from time to time, if required. With the objective of quality the current format of lesson plan includes some particular features like video lecture details and links of study material prepared by faculty members along with course file parameters like syllabus, Roll list, Attendance, Time table, Internal marks & analysis, Question bank/previous question papers (Internal and External), PPTs.

ICT based teaching learning practices like use of smart board, PPTs, and Videos lecture, e-content etc. are implemented. The evaluation is done in the form of on-line / off-line feedback through HOD and Principal. The performance of the faculty are evaluated by using Academic Performance Index Tool and action is initiated for improvement of teaching learning process

Practice- 2: To enhance the quality of faculty:

The second significant move as an initiative of IQAC cell is enriching faculty expertise by encouraging them to attend on-line certification courses and participate in subject expert programs.

In this process, the faculty are asked to acquire proficiency in the subject by undergoing on-line certification courses and other similar courses of their specialization. As a result, faculties of all departments become more knowledgeable to impart quality education and thus contributing to the success of students in their endeavors.

IQAC also recognizes the significance of research environment among staff and students to improve quality in the teaching learning process. The institution has established a Research and Development Cell (R&D Cell). The main thrust of R&D Cell:

- Helping the interested teachers in preparing research project proposals and publishing the research works.
- Providing the latest information about the quality journals of Scopus and UGC Care list.
- Initiating interdisciplinary research projects undertaken by students and mentored by teachers.
- Establishing collaborations with industry of eminence with the objective of encouraging student and faculty exchange programmes.
- Conducting FDP to share the knowledge of the teachers at par with the latest developments in their respective disciplines.

The college constantly reinvents and innovates to maintain quality education. The college focuses on the vision and mission of the institution and conduct regular self assessments to ensure the effective functioning.

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:

IQAC of MTIET is adapting a well defined review mechanism of Teaching Learning process through

- Performance Based Appraisal System (PBAS) and online feedback Mechanism
- Academic & ISO audits

Review through PBAS and Online Feedback:

Maintenance of course file for every course by all faculty members is mandatory in the institute and verified periodically which includes:

- Lesson plans along with teaching methodologies such as ICT based teaching, Power Point Presentation, Visuals and animations etc.
- Classes allotted and engaged as per the time table and evaluated.
- Learning Management System (LMS) is in practice for online submission of assignments, quiz competitions, and dissemination of course material etc.
- Setting of question papers in tune with learning Course Outcomes (COs) as per Blooms taxonomy and their assessment and mapping with Program Outcomes (POs) is also verified and reviewed.
- Review of university results, analyzing the grades of students and COs and POs attainment is carried out.
- Feedback collected from the students in on-line mode on the performance of the faculty as well as on the curriculum.

Review through Academic and ISO audits:

Academic audit is conducted to monitor the quality of teaching-learning process. This audit ensures whether the following activities are conducted regularly.

- Students participation in curricular, co-curricular and extracurricular activities.
- Faculty development programmes
- Faculty participation in paper publications, conferences, book publications.
- Feedback from students regarding teaching learning process and corrective measures taken.

ISO Audit is being practiced since 2018 adapting ISO 9001:2015 certification, which verifies the

following:

- Innovative teaching methods
- Verification of course files
- Student performance indices – Minimum attendance, marks obtained in the internal examinations and grades obtained in external examinations
- Mechanism and activities for slow learners and outcome
- Student counseling /mentoring mechanism
- Evaluation of innovative mini and major student projects
- Scope for self-learning through certificate courses / online courses
- Student success rate in Examinations and Placements
- Students feedback and action taken

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: A. All of the above

File Description	Document
Upload e-copies of the accreditations and certifications	View Document
Upload any additional information	View Document
Institutional data in prescribed format(Data template)	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:

As per the recommendation of the National Commission for Women, Government of India, the Internal Complaints Committee of our college has been active since its inception and never ignored in conducting awareness programmes.

Women Empowerment Cell has been constituted and organizes the following awareness programmes for promotion of gender equality by inviting eminent personalities.

- Women Empowerment.
- Violence against women
- BetiBachao, BetiPadhao
- Self Defense and Personality Development
- Women health and hygiene
- Women rights and Acts

SAFETY & SECURITY MEASURES:

Safety and Security of girl students are one of the paramount important issues of our college. All the students feel secured in the college premises.

The first and foremost safety and security start with the checking of ID cards at the entrance of college for students and staff. Wearing ID card is mandatory in the campus. Parents, Visitors and Guests are allowed after checking their credentials and the details are entered in the visitors register. Numbers of CCTV cameras are installed in the campus which covers the entire area of the campus. A committee headed by Physical Director monitors the discipline of the students.

We are proud to say that our students do not involve in ragging activities. In order to implement this in a smooth manner Anti ragging committee is drafted to take care of any slip-up.

COUNSELING:

Counseling to girl students regarding their academics, Personality Development, health and hygiene and group behavior is a regular activity. This enables the student to be a stress free and helps in making them strong mentally.

COMMON ROOM:

The institute has a well furnished common room for girl students to take rest. It is equipped with first aid kit, wash room and other basic needs in emergencies. A well trained nurse looks after the ill health of the girls and lady staff members. Critical cases will be taken to the hospital through Ambulance/vehicle provided.

DAYCARE CENTRE FOR YOUNG CHILDREN:

A daycare center is provided in the college to take care of the children of the faculty. This tends to be as a great relief for the working parents of MTIET.

The staff members are satisfied with the care and concern shown towards their babies. There are a lot of toys for children to play. Baby-sitters take care of children to the satisfaction of their parents. Food and essentials for the children are provided free of cost as per the requirements/suggestions of parents. Hygienic environment is maintained.

Instead of feeling it as a burden, our management takes it as a pride and responsibility to look after the well being of the kids of staff members.

File Description	Document
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
Annual gender sensitization action plan	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: A. 4 or All of the above

File Description	Document
Geotagged Photographs	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 the waste reduction principles of "Reform, Reutilize, and Reprocess." It entails waste collection, treatment and disposal at the nearest gram panchayat dumping yard. MTIET sets up a number of dust bins to separate different types of trash, such as solid, liquid and biological waste. Every day's waste is gathered in bins and taken to a place where it can be transformed into manure.

SOLID WASTE MANAGEMENT:

The institute believes that improper waste disposal system by the local bodies is a problem. We strongly feel that it is our duty to expose the students to environmental awareness. There are solid wastes like glass, rubber, plastic, metals, newspapers etc. Wastes like pesticides, batteries containing lead, mercury, cleaning solvents and plastics are burned, which produce toxic gases. Biodegradable waste is decomposed and is made green manure. Waste from students mess and canteen like food waste is used as food for cattle. Horticultural waste like dried leaves, twigs and plant clippings are collected and decomposed which is used as bio fertilizer.

LIQUID WASTE MANAGEMENT:

Waste water from students' mess, wash rooms and canteen is channelized into the sewerage system to reach water storage area through underground drainage pipes. Waste water from the RO plants is processed and used for watering the plants with the help of sprinklers in the garden.

BIOMEDICAL WASTE MANAGEMENT:

Biomedical waste like cotton, discarded syringes, saline bottles, expired medicines and tablet wrappers are stored and handed over to the gram panchayat for safe disposal. For disposing Sanitary napkins incinerator are arranged in the girls waiting hall/washrooms.

E-WASTE MANAGEMENT:

Electronic and electrical instruments under repair are provided to the students during the lab sessions to dismantle and reassemble which helps in application oriented learning. E-waste in the form of discarded electronic components including computers, printers, UPS batteries, multi-media systems etc., is disposed to authorized agencies. The unused and outdated computers are donated to nearby schools.

WATER RECYCLING SYSTEM:

Wastewater from wash rooms, toilets, canteen and messes is collected and transported by well conceived sewerage system to the sewage treatment plant. An extended type of activated sludge process principle is provided in the working of the sewage treatment plant. The recycled water is used for the garden plants and lawns in the campus.

File Description	Document
Geotagged photographs of the facilities	View Document
Any other relevant information	View Document
Relevant documents like agreements/MoUs with Government and other approved agencies	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: A. Any 4 or all of the above

File Description	Document
Geotagged photographs / videos of the facilities	View Document
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: A. Any 4 or All of the above

File Description	Document
Geotagged photos / videos of the facilities	View Document
Any other relevant documents	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: A. Any 4 or all of the above

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

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: A. Any 4 or all of the above

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

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:

The college organizes many events to create an atmosphere of ethical, cultural, and spiritual values among students and staff so as to develop a country of noble youth who are morally responsible. Commemorative days are celebrated in the campus to foster emotional and religious feelings among students and faculty to foster a sense of oneness and social harmony.

The college believes in the equality of all cultures and traditions as students are from various castes, religions and localities study together. There is no intolerance for cultural, regional, linguistic, communal, socio economic differences although the students hail from a cross section of the society.

National festivals, birth anniversaries of Mahatma Gandhi, Pandit Jawaharlal Nehru, Dr. Bhimrao Ambedkar, Sarvepalli Radhakrishnan, Mother Theresa, and Lal Bahadur Shastri are celebrated to infuse the greatness of the freedom fighters and communal harmony among the students. Every year on October 31, the institution commemorates Sardar Vallabhbhai Patel's birth anniversary as **National Integration Day**.

The college organizes socioeconomic, cultural diversity programs to ensure and assure harmony among the students to promote tolerance of different sections of the students. In these programs the students are asked to gather at a common place wearing their specific ethnic attires and importance of that is elaborated. The college instructs them to speak on their own original tongue on the Forum organized to exchange their national commitment. In these meets, students are encouraged to sing songs concerning the National Unity and Integrity.

Motivational talks by famous experts in the subject are scheduled to help students in developing their personalities and become responsible citizens who adhere to national values of social and communal peace and national integration.

With this approach, the institute's efforts/initiatives in fostering an inclusive atmosphere for everyone to adhere with tolerance and harmony toward cultural, regional, linguistic, communal socioeconomic and other diversities is materialized.

In this approach, the institute's efforts/initiatives in fostering an inclusive atmosphere for everyone with tolerance and harmony toward cultural, regional, linguistic, communal socioeconomic, and other diversities would be realized.

The events like **Rangoli** for Sankranti, **Lighting of lamps** for Diwali, **Cake cutting and Santa wear** for Christmas, **Holika Dahan and Dhulandi** for Holi, **Ethnic wear and making Ugadhi pachadi** for Ugadhi, **Iftaar, Milakath and Galemilna for Ramadan, Rakhi tying** for Rakshabandan and **Kerala attire and Rangoli with Flowers** for Onam are regularly celebrating in the campus.

File Description	Document
Any other relevant information.	View Document
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	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:

The institution has taken up many initiatives and measures to create awareness among students and staff and sensitizing them to protect constitutional obligations. The university introduced subjects like “Human Values and Professional Ethics” and “Constitution of India” in order to sensitizing the students and employees.

Our Institution also takes major steps every year by conducting awareness programmes on constitution of India, awareness on right to caste vote and awareness on Disha app especially for girls

College sensitizes the students about the values and ethics by organizing lectures by inviting reputed guests. The fundamental duties, rights and responsibilities of a citizen are popularized by placing signboards at important point.

Awareness program on Indian constitution:

MTIET conducted a programme on constitution of India. Staff and students are made aware of their fundamental duties of a citizen. These programs are conducted to create patriotism among students and staff and to make them responsible citizens.

Constitutional Obligations:

Some of the constitutional obligations are to respect National flag, National anthem, obeying the laws to create unity and integrity, safe guarding public property, preserving cultural heritage etc.

- To abide by the Constitution and respect its ideals.
- To cherish and follow the noble ideals of our national leaders.
- To uphold and protect the sovereignty, unity and integrity of India.
- To promote harmony and the spirit of common brotherhood among the citizens.
- To value and preserve the rich heritage of our Nation.
- To develop humanism and the spirit of oneness.
- To safeguard public property.

During the celebration of National festivals, Prayer meetings and on various occasions the experts elaborate about the constitutional obligations.

Constitutional Rights:

This includes Right to equality, Right to freedom and religion, cultural and educational rights.

Duties and Responsibilities of Citizens:

Ours is a sovereign Democratic Republic we have some duties and responsibilities to follow. One must support and defend constitution. People must participate in democracy related functions like Independence Day and Republic day.

Awareness program on Drug Abusing and Addiction

Youth play great role in Nation building. Consumption of alcohol and drug addiction in youth is a common evil because of prevailing stressful conditions. We have conducted awareness programmes on drug abusing and addiction by inviting doctors to interact with students and to guide them against drug addiction. The highest officials of police are invited to make students to aware of the action to be taken against the people who are involved in drug addiction cases. Thus, the college has taken up initiative in importing constitutional obligations, values, rights and duties etc. to sensitize the students.

Say no-to- ragging:

In addition to the messages of the principal and director of the college, some police personnel and authorities of jury are invited to make key note speech for molding the attitude of the budding engineers. As a part of the program the bring awareness about what eve-teasing is and what ragging is and what sections of law are implemented and also about the details of imprisonment and death sentences for ragging turned rape.

File Description	Document
Any other relevant information	View Document
Details of activities that inculcate values; necessary to render students in to responsible citizens	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: A. All of the above

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:

Students and teachers of MTIET organize National Festivals, commemorative days of great Personalities to promote national integration and a feeling of Vasudheika Kutumbam (A feeling that all the people in the World are the members of one Family). Thoughts of great Indian personalities are seeded into the minds of students through the programs conducted on those days. Since the Institution believes that these events transform the student's mindset. These events not only create awareness about nationalism but also emphasize the need for universal peace and unity.

National and International events:

Independence Day:

The institution celebrates Independence Day on 15th August every year by hoisting National flag in the presence of students and guests. Sacrifices made by our National leaders and Constitutional obligations of our citizens are narrated.

Republic Day:

The Republic Day is celebrated on 26th January of every year with gaiety and patriotic fervor. On this privileged occasion, celebrations starts with the vibrant and elegant National Flag hoisting and singing of patriotic songs by the students create feeling of commitment and brotherhood among the teachers and students.

International women's day:

MTIET celebrates women's day on 8th March every year in the institute to create awareness about the status and dignity of women in the society. Great women personalities and women staff members were honored. Essay writing competitions are held to highlight the importance of women education and empowerment.

International Yoga day:

The Institute organizes International Yoga day on 21st June every year for students and staff to realize the importance of yoga in daily life for physical and mental health.

International Mothers day:

The Institute organizes International Mother Day celebrated of 2nd Sunday of May Every year. The importance of the mother as the first god is elucidated.

Gandhi Jayanthi (Birth Anniversary of Sir Mohandas Karamchand Gandhi):

Showing tribute to Father of the Nation, the Institution celebrates Gandhi Jayanthi on 2nd October every

year. During this occasion his preaching's on non-violence, truth, religious harmony etc. are elaborated.

B. R. Ambedkar Jayanthi (Birth anniversary of Dr. Bhimrao Ambedkar):

Ambedkar Jayanthi is celebrated on 14th April Every year. On this occasion debates and competitions are held emphasizing the Constitutional obligations of every citizen.

Engineers day (Birth Anniversary of Sir M. Visvesvaraya) :

The Institution celebrates this day on 15th September consistently paying exceptional tribute to the best Indian Engineer, Bharat Ratna awardee Sir Mokshagundam Visvesvaraya.

Teachers Day:

The institution celebrates Teachers day to commemorate the birth anniversary of the second President of India Dr. Sarvepalli Radhakrishnan, a great teacher and a staunch believer of education as catalyst.

National Mathematics Day (Birth Anniversary of Sir Srinivasa Ramanujam):

National Mathematics Day is celebrated on 22nd December every year to marks the importance of mathematics in our life and encourages students to develop self-learning and rationale skills.

Environmental Day:

MTIET celebrates World Environment Day annually on 5th June for encouraging students and getting awareness and action to protect our environment. Plantation program in adopted villages are taken up by the students and staff.

File Description	Document
Geotagged photographs of some of the events	View Document
Any other relevant information	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:

Title: Five Minutes Seminar by a student and Proficient Counselling.

Objective:

MTIET believes teachers are transmitters, inspirers and promoters of quest for knowledge among students. It doesn't believe that the teacher being active givers and students being passive recipients in the classes. All the classes should be interactive. The faculty members never ignore Benjamin Bloom's educational taxonomy. Faculty development and orientation classes always make our faculty members update their techniques of teaching. They have to employ different and innovative strategies to make the students think and involve themselves. These efforts are to keep active learning at the top. We also remember Benjamin Franklin, who said, 'Tell me and I forget, teach me and I remember, involve me and I learn.'

MTIET takes care of Professional Orientation because when the course is completed, the students would be attending interviews either on campus or off campus. It is the duty of the institute to enlighten the students of the opportunities they have and how to meet the expectations of the opportunities or the companies or the industry. It is to show the students all the available ways they have and then they can choose the ways they like. Nothing useful comes easily; everything has its own share of hard work, sincerity and commitment. Once students select their ways, the journey begins, here journey means preparation. If orientation is not given, they will go into the final year with blank minds and the result is utter confusion.

Context:

Take the lead prior to teaching, is a new strategy. Our teaching-learning process is student-centered in toto. At times, our faculty members announce the next chapter and give the gist of it asking the students to note down the matter. Then they make an announcement that students can speak or give a seminar about the contents or the gist of the chapter the next day. Each would be given just five minutes. They can come prepared. In case of need, they take down the names of the willing students. Students are free to use the board, take the help of the projector to present PPTs or to use posters. But they have to mind the time limit.

Engineering is a profession oriented course. Professional orientation counselling is arranged by Campus Recruitment Training department. The HoD is an able man with manifold contacts with workplaces, companies and industries. He invites HR Managers on different occasions and the students can join the get together. They can have an opportunity to seek information and to get their doubts clarified during the counselling. Sometimes, opportunity is given to meet the HR Managers individually. It depends on the availability of time.

Practice:

This innovative method is employed according to the importance of the chapter or the availability of the information for students. When students participate in these kinds of programmes, they can get rid of stage fear and they can remember the content as they taught or spoke about it. It involves both teaching and learning. Sometimes, students make mistakes and that is not a problem because the faculty teach the chapter and then students can make out the mistakes. Sometimes, students become nervous and forget the matter, faculty members take it easy as such things are common.

In the counselling sessions, the placement officer becomes very particular about the information about the characteristics of the occupations and the opportunities. Some companies want the students with a certain percentage of marks or grades. Some other companies prefer to take the students of a particular branch of

study. By and large, this professional counselling encompasses all these things. Sometimes there can be some omissions and commissions depending on the need and availability. As CRT faculty members also attend this professional counselling get together, they would slightly change their training so that students can get maximum benefit.

Evidence of Success:

Five Minutes Seminar by a students



Proficient Counselling for a student



Proficient Counselling for a student and Mentoring Record of a student: <https://mtieat.org/naac/c7/7.3/MENTORING%20BOOK.pdf>

Problems Encountered and Resources Required:

Usually students have been habituated to be passive participants in the classrooms since their primary classes. Some students are laconic, reticent and unwilling to face the class. Some other students give their names and don't attend the class the next day. In such cases, our faculty members exercise maximum restraint and convince them that there must be some beginning to learn things and get rid of fear. If the treatment is harsh, it will give negative results. Teachers should have great degree of understanding and compassion.

There are some problems in conducting the professional counselling. Before that counselling, students should be motivated and enlightened of the importance of having a clear idea as to what they have to become. They have to think of the expectations of their parents. The students should be trained as to how to behave in the counselling intercourses, when to ask a doubt and how. They have to be decent during the counselling. The next thing is making arrangements for the managers or the HR managers who usually come from cities. The placement manager on behalf of the MTIET takes care of the arrangements. Sometimes the managers cancel their programme due to some unforeseen developments. In such case, the programme should be rescheduled according to the availability of their time.

Best Practice-2:

Title: Plastic Free Campus and E-Attendance.

Objective:

Plastic is ubiquitous in the world. We can't find a place where we can't find it. At the same time, it is impossible to avoid it totally. It is like our shadow. The best thing MTIET thinks is to treat it in a proper way. The ray of hope we have is recycling. The institute conducts awareness among students to avoid plastic as far as it is possible. It tries to make the plastic litter free campus.

The objective of e- Attendance is to send the students' attendance to their respected parents' mobiles every day without fail. When the parents know that their children are absent to college, they question their children in the evening. As a result, students hesitate to be absent to classes. This practice worked well and improved the percentage of attendance of the students.

Context:

Everyone knows that plastic waste is dangerous, but no one knows how to get rid of it. If care is not taken, the waste fills the whole campus. Today's students are tomorrow's citizens and so the institute educates the students to avoid plastic as far as possible. But every edible thing is packed in plastic wrappers, from chocolate to water. The institute takes initiative and arranges separate dustbins with different colours and clear writing. One type of dustbins are for only plastic and the other type of dustbins are for non-plastic waste.

Because of the availability of smart phones, students think that they can learn everything related to their studies by using their smart phones. But the fact is; no smart phone can substitute a teacher, direct interaction with the teacher and direct teaching. No technology can replace the direct instruction. But some students start from their homes, and don't come to college.

Practice:

The institute continuously motivates students and others on the campus to use paper or cloth bags and discourage the usage of plastic carry bags. At every moving place, there are different dustbins for plastic and non-plastic waste. Every day evening, the dustbins are emptied and the plastic waste is sent to the Municipal authorities for recycling. Sometimes, the institute directly hands over to the recycling people. There is separate mechanism to take care of this. In addition to that, there are some workers who go round the campus twice a day to collect the litter.

As the college started sending the attendance of the students, either attended or being absent to classes every day to their parents, parents can understand it and admonish their children who bunk the classes. This has given desired results. Now they don't lose their classes and they are getting benefits of direct teaching.

The parents also feel happy to have continuous contact with the college so that there would not be any surprising negative results at the end of the academic year. By and large, this sending of the attendance of students to their parents every day is successful in spite of some short comings in the beginning.

The future plan is to send hourly attendance to the parents of all the students.

Evidence of Success:

Display Boards on Ban on Plastic in the campus





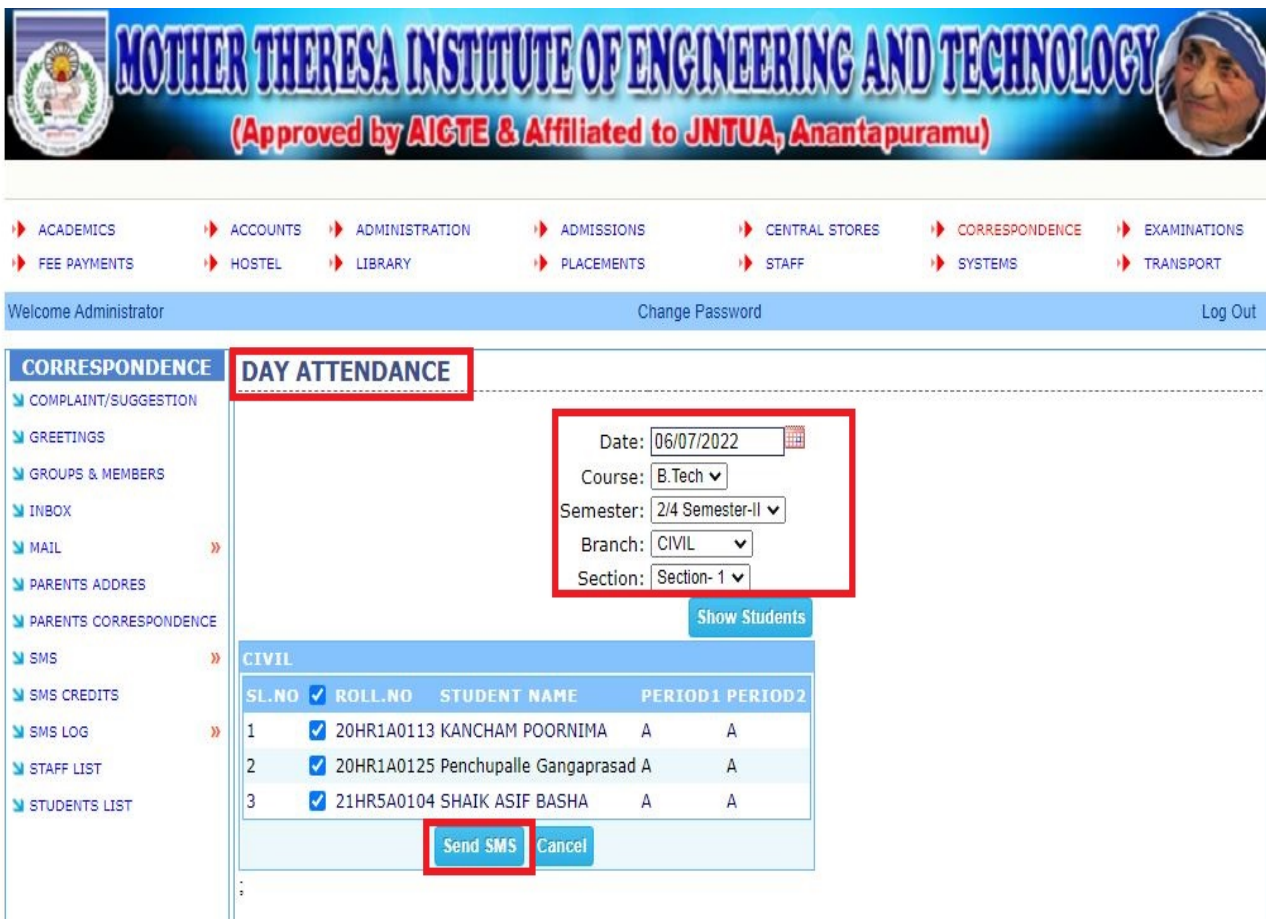
Using Cloth Covers in the campus



College Canteen has Cloth covers



E-Attendance Sample



MOTHER THERESA INSTITUTE OF ENGINEERING AND TECHNOLOGY
(Approved by AICTE & Affiliated to JNTUA, Anantapuramu)

ACADEMICS ACCOUNTS ADMINISTRATION ADMISSIONS CENTRAL STORES CORRESPONDENCE EXAMINATIONS
FEE PAYMENTS HOSTEL LIBRARY PLACEMENTS STAFF SYSTEMS TRANSPORT

Welcome Administrator Change Password Log Out

CORRESPONDENCE **DAY ATTENDANCE**

COMPLAINT/SUGGESTION
GREETINGS
GROUPS & MEMBERS
INBOX
MAIL
PARENTS ADDRES
PARENTS CORRESPONDENCE
SMS
SMS CREDITS
SMS LOG
STAFF LIST
STUDENTS LIST

Date: 06/07/2022
Course: B.Tech
Semester: 2/4 Semester-II
Branch: CIVIL
Section: Section-1

Show Students

CIVIL

SL.NO	ROLL.NO	STUDENT NAME	PERIOD1	PERIOD2
1	20HR1A0113	KANCHAM POORNIMA	A	A
2	20HR1A0125	Penchupalle Gangaprasad	A	A
3	21HR5A0104	SHAIK ASIF BASHA	A	A

Send SMS Cancel

Problems Encountered and Resources Required:

In spite of the repeated requests and suggestions, students litter their surroundings knowingly or unknowingly. Their eating habits also generate more plastic waste. But this problem should be treated patiently. There are some plastic free areas. They are plastic free most of the time, but sometimes, plastic litter is found there. It is due to lack of self-discipline. But the institute is optimistic continues its efforts to make them plastic free zones.

1. Getting the contract number of each parent from 1st B.Tech to 4th B.Tech.
2. Some students gave wrong contact numbers of their parents, but it was found out.
3. Directly speaking to the parents and getting their contact numbers.
4. Motivating the students of the benefits of direct teaching.
5. Motivating the students is not one time deed, it's a continuous programme.
6. Suggesting faculty to be in touch with the troublesome students every day.

File Description	Document
Any other relevant information	View Document
Best practices in the Institutional web site	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:

Mother Theresa Institute of Engineering & Technology [MTIET] has been established in the year 2010 at Palamaner which is surrounded by many rural villages. The prime aim of the college is to provide technical education with quality to the students of this rural area and within the radius of 50 kilometres, there is no other Engineering college situated.

As the backdrop of the college management is rural, it is very particular for the college to empower the rural young students with good access to quality education. Only well-to-do people are able to afford for their children to put them in hostel. As the college is situated in an area where the people around it totally depends on rain fed crops, and the income of farmers and peasants is not stable as it varies from year to year and sometimes it is hard to meet their needs this yields many young people lives that are deprived with good access to quality technical education.

The college pays attention to the holistic education in every aspects of student development. The faculty are competent enough and there are excellent supportive facilities like, well equipped library, laboratory, high speed internet, language lab which play a pivotal role in overall development of students. There is a perennial encouragement for the staff and students to organize and participate in training programmes, symposiums, seminars, workshops, conferences to share and acquire necessary skills and talents.

The College has been established with the Vision and Mission as follows:

Vision

To promote excellence in the field of Engineering Education, Research and Consultancy which encompasses knowledge, skills and values to produce technically and intellectually competent and socially committed students to become responsible citizens.

Mission

- To empower the students in developing professionalism through innovative teaching and learning process.
- To improve high ethical values in engineering and technology through research and consultancy.
- To promote high standards in education to meet the needs of the society.

- To impart knowledge and technical skills to enhance intellectual property of primary stake holders.

To accomplish our Vision and Mission, we are following few strategical plans to prove the performance of our institution which is distinct when compared with other institutions of our surroundings.

The foremost one which we firmly claim that our institution is one among the best is based on our Admission Strength. As the institution is aged on, the admission strength that has increased rapidly, and this proves major of the surrounding students opt our institution Mother Theresa Institute of Engineering and Technology.

The Key Measures which we have adopted to grow our institution in every aspect from the year of establishment are;

Usually, if a seminar is given by a student from every branch at most there will be 28 students per day that could participate in giving seminar. As a reform to this one of our best practices is **“The 5 Minutes Seminar Talk”**.

“Students Monitoring System” is one of the best methods that our institution has considered in order to remove the gaps between a faculty and a student. College provides a place for students to consider faculty as their parents as students share their problems. This makes the faculty to identify slow learners and fast learners. This system has helped us to increase student performance in their academics. For slow learners we conduct remedial classes in order to encourage them in their way of learning. We make students to improve their attendance, academic performance and build positive behavior.

“Innovative Project Expo” is one of the practices which will be conducted every year for all the B.Tech-I, II, III, and IV Year Students. This measure was taken to encourage young students towards the new technology and come up with their innovative/creative minds which help them to get placed in IT or it makes them to learn outcome based education.

“Friendly Environment” is the one where every student expects to have in their institution or college. Our Institution provides friendly environment to the students and college provides a way to the students to come up with their own measures in building their career a step ahead when they are compared with other students, like conducting workshops, presentations, sports, Rangoli and Dance competitions, Ragging free campus, and college provides an day for interaction with the fresh Engineering students so that they get habituated and learn Engineering environment.

“Improving Communication Skills for rural background students” this was the objective to establish this institution. In order to fulfil this objective, college has planned to train the students regarding communication aspects by having a separate team for training the students on communication skills, reasoning, aptitude, technical perspectives. A separate schedule has been included in academics timetable, so that students get trained on these areas right from first year till their year of completion. As per the communication skills, students are given tasks by the concerned faculty in order to make students to learn and improve their way of communication.

Consistency in Placements:

Apart from the infrastructure in par with the leading institutes of the country, well qualified and experienced faculty members, we tackle with one prominent problem that is unemployment. The

management is very particular about the placements; its motto is no student from the institute is unemployed. Therefore campus placement training is given all the four years with the focal areas being, Communication skills, Soft skill, Managerial skills, Technical skills, Reasoning skill and Arithmetic skill. As a result, the placements are consistent between 80% and 90%. From all the villages in the vicinity there are engineers working in cities. The credit goes to MTIET.

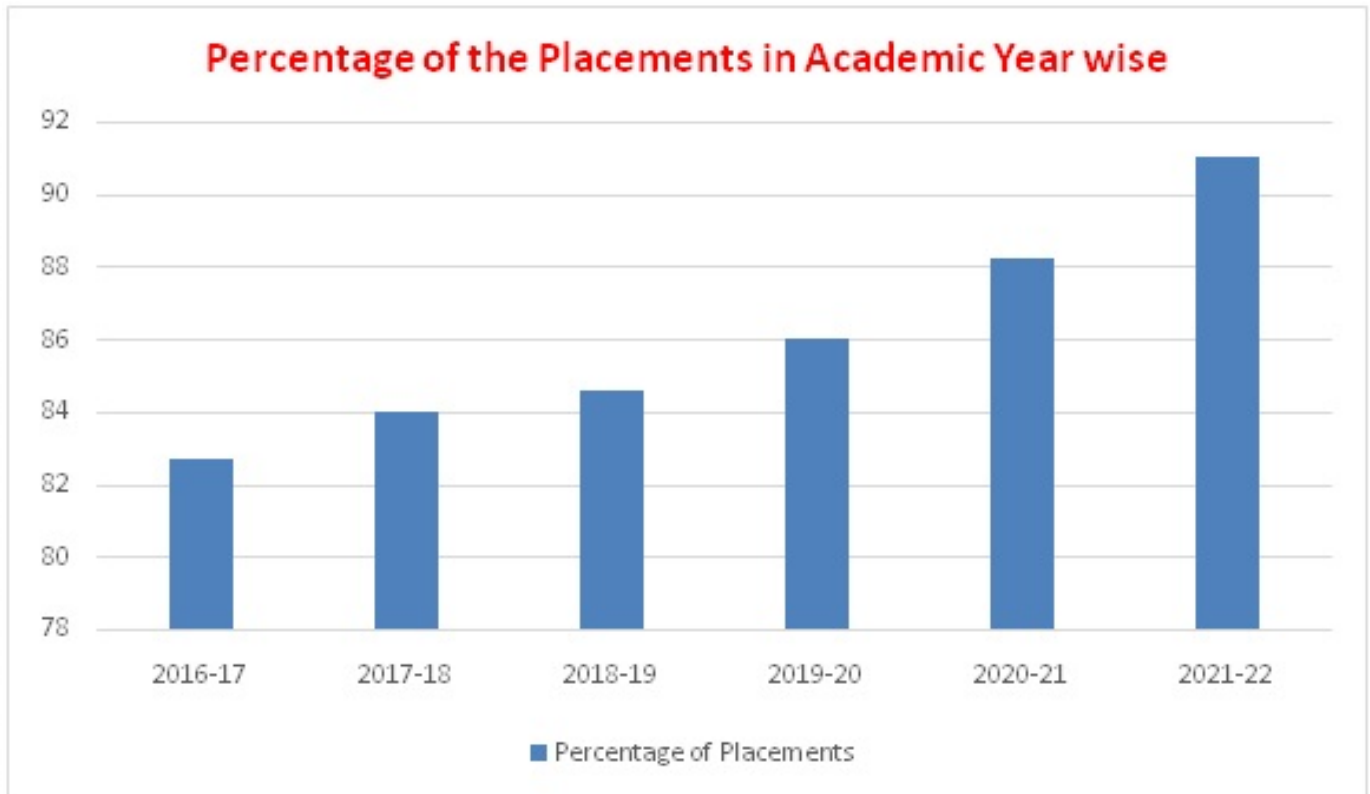


Chart indicating the Percentage of the Placements Academic Year wise

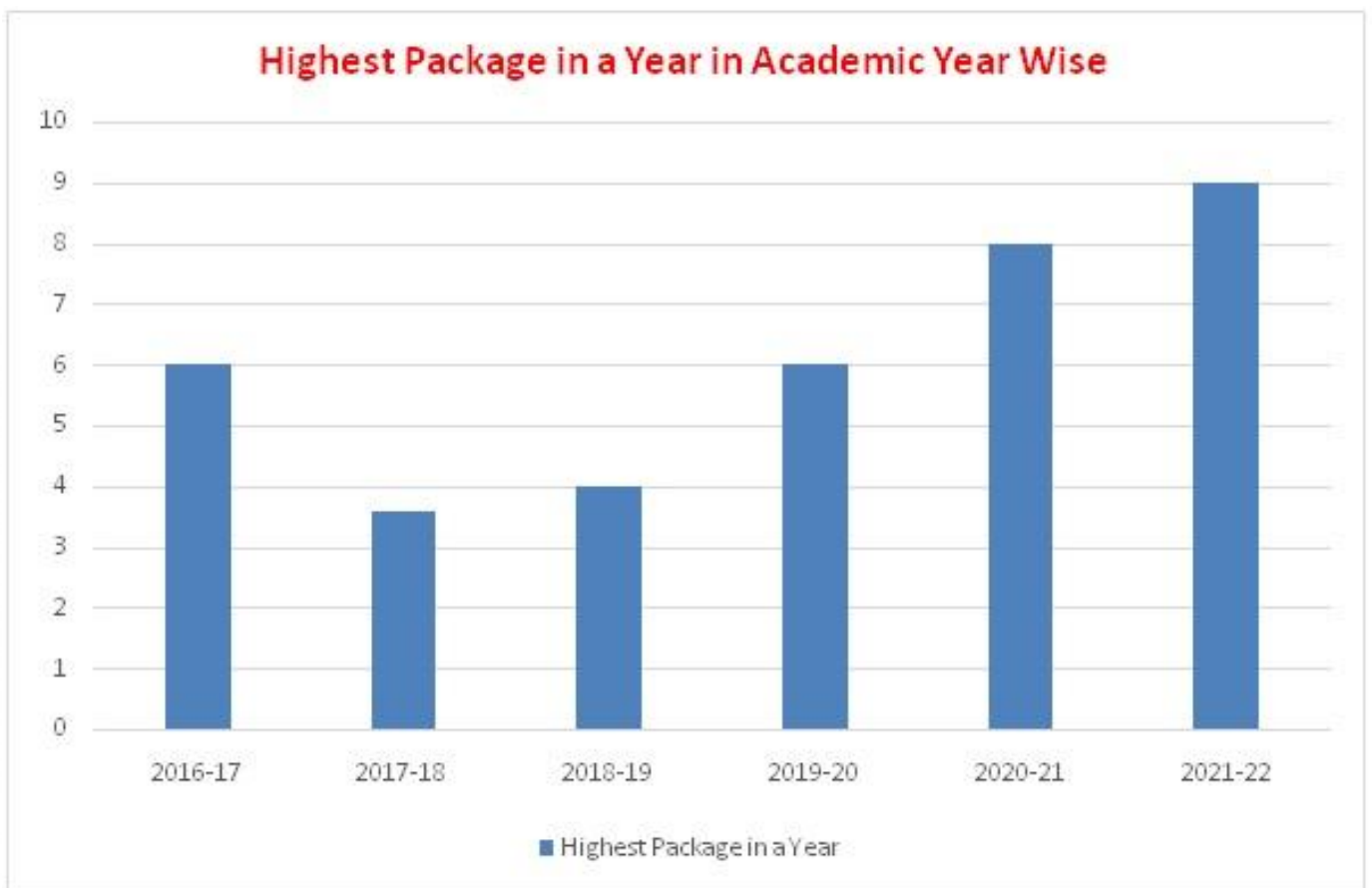


Chart indicating the Highest Package Academic Year Wise

File Description	Document
Appropriate web in the Institutional website	View Document

5. CONCLUSION

Additional Information :

The strength of the institute is having adequate infrastructure, supporting academic facilities, state of the art laboratories with well qualified and experienced faculty members with good retention ratio. The Institute gives highest priority to teaching- learning process. Emphasis is given on extra and co-curricular activities for holistic development of students. To deliver the best quality in Teaching Learning and overall development of our students, faculty and staff members have achieved this through the following initiatives:

- A variety of Add-on courses are offered to students to strengthen their knowledge.
- To preserve and nurture the bond with its alumni, the college maintains an active Alumni Association, registered by the Registrar of societies, Govt. of AP.
- The college has conservation of energy and environment Policies to protect and conserve ecological systems and resources within the campus.
- The college implements e-governance in the functioning of the institution in order to provide simpler and efficient system of governance which promotes transparency and accountability.
- The institution believes in inclusion of people with disabilities by promoting the rights and dignity of each individual.
- Industry-Academia collaborations are established wherein students get the opportunity to keep

themselves abreast of the latest trends in the various sectors, so as to achieve their goals.

- To support interactive/classroom pedagogical methodologies, the teachers are also encouraged to use ICT tools to deliver their lectures using audios, videos, PPTs etc.
- A number of renowned companies visit the college annually and a large number of our students find placements in them.

NSS-MTIET unit is organizing number of extension activities in the neighborhood community, sensitizing students to social issues, for their holistic development.

Concluding Remarks :

The prime aim of the college is to provide quality technical education to students of this rural area. Institute has well framed vision and mission, considering the needs of the society. Best academics, infrastructure, industry-interaction, self-learning, co-curricular and extracurricular activities are some of the special features which cater to the comprehensive development of the students. The governance comprising of Governing Body, College Governing Council, Internal Quality Assurance Cell, College Academic Committee, and various institute level committees. All these play a significant role in the evolutionary reforms towards positioning the Institute in the preferred list of all stake holders. The Institute believes in promoting a culture of delegation of powers through strategic policies. The Principal is assisted by HODs, section in-charges and coordinators of various committees in decision making process at the institute. Institute executes strategic planning from time to time for producing quality engineers and overall growth of the institute. Institute has well established organizational structure to execute smooth functioning of administrative and academic processes. MTIET has

deployed e-governance in all the areas of academic processes to ensure better academic planning and monitoring. Institute regularly organizes training classes to staff members for implementation of quality procedures. External audit by various agencies like JNTUA, AICTE, and internal audit is undertaken periodically to improve institutional budget and activities. The college strives to fulfill its vision of imparting transformative education for the empowerment of young students for promotion of a more just and humane society.

NAAC