SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

MANOHARBHAI PATEL INSTITUTE OF ENGINEERING AND TECHNOLOGY

MANOHARBHAI PATEL INSTITUTE OF ENGINEERING AND TECHNOLOGY,
N.H. 6, SHAHAPUR, BHANDARA, DIST BHANDARA PIN 441906
441906
www.mietbhandara.ac.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

May 2021

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Manoharbhai Patel Institute of Engineering & Technology, (MIET) Bhandara is a self financed and non-minority engineering institute established in July 2010, run by Gondia Education Society, Gondia with an objective of providing quality technical education in the rural region. The institute is affiliated to Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur (RTM-NU) and is approved by the All India Council for Technical Education (AICTE) New Delhi & Directorate of Technical Education (DTE), Mumbai (Maharashtra State). The institute is located in Shahapur of Bhandara district and a sprawling over an area of 16.75 acre (6.75 hectors) with actual built up area of 12735 square meters.

The institute offers four years degree programmes in four disciplines i.e. Civil Engineering, Mechanical Engineering, Computer Engineering and Electronics & Communication Engineering with the intake of fifty four each.

It has been our sincere effort to create a conducive academic culture for learning. The students are provided not only quality education with opportunities for their all-round development but also are laced with moral and social ethics. MIET has excellent infrastructure, with well-equipped laboratories and lush green campus which cause the students' overall development. The students are being sensitized towards society and environment through National service Scheme (NSS) and other Departmental Forums' activities. We focus to inculcate continuous learning habit with positive attitude and of human values within the students.

The institute has always envisioned instilling life skills among the students via their participation in various curricular, extra-curricular and co-curricular activities. Our aim is to unleash human potential within the students to be excelled in their chosen fields. Effective teaching-learning process in MIET is executed by well qualified, experienced and dedicated staff with integration of practical, ICT and other latest teaching tools. Quality education inputs can be measured from the meritorious performance of its students in University results. Efforts are also taken for placement of students through T&P Cell which is evident from the placement of students in reputed organizations. There are various institute-level committees/cells constituted for the smooth functioning in different areas i.e. Internal Complaint Committee, Anti-Ragging Cell, Grievance Redressal Cell and Admission Cell.

Vision

To emerge as a center of excellence in rural area to produce technically competent professionals to serve industry and society

Mission

1) To implement holistic approach in teaching learning process for developing as an engineering professional to meet present and future needs of society.

2) To enrich students with knowledge, attitude and skills to flourish them as successful Engineers, Managers,

Researchers, Entrepreneurs and responsible Citizens.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

• Highly competent, forward looking and financially sound management with a vision for bringing up the institution to the highest level of quality.

• Green and Eco friendly campus.

• Good faculty retention.

• Transparent governance and administration with well-defined decentralization of authority.

• Students securing good ranks in the University Examination

• Well stacked library with good number of journals.

• The Institute regularly organizes Conferences, Workshops, and FDPs

• Effective innovative teaching learning process by experienced faculty with academia and industrial background.

• Sports and games facilities for overall development of the students.

• Excellent Infrastructural facilities

• Well-equipped Laboratories and Computer center

Institutional Weakness

• Research and development.

• Testing and Consultancy.

• Moderate number of students with low CET score.

• Soft skills and poor English language competency of students.

• Residential hostel facility.

Institutional Opportunity

• Global demand for employable technical manpower is ever growing.

• Growing Indian economy and Globalization with rural industrialization lead to good employment.

• The demand for reputed colleges is on the rise as people are looking for good colleges rather than a particular branch.

• Proximity to Fast developing industrial belt in the central India.

• Nagpur is emerging as a smart city and new educational hub in central India Institutes of national importance.

Institutional Challenge

• Training the students from rural background with lack of command in English • Enhancing the employability of the Students

• Rapidly advancing technology may require more human resources and equipment.

• Impact of industry slowdown on the campus placements

• Delay in receiving government scholarship

• To match between the current industrial requirement and university syllabus

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Manoharbhai Patel Institute of Engineering & Technology (MIET) is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU), Nagpur, adheres to the syllabus and Academic Calendar prescribed by the University. The Institute's academic calendar is prepared before the start of semester taken into account the university calendar. The Institute arranges various seminars/presentations, guest lecturers/workshops to enhance the capability of students. Institute offers electives as per the University curriculum for all the branches. Students can select the Elective of their choice.

The Institute conducts 'Add-on programs' such as, 3D Printing, STAAD PRO, Spoken Tutorial Program, etc. The Institute also arrange industrial visits, site visits, technical events and industrial training for the students on regular basis. Internal Compliant Committee (Vishakha guideline cell) is established at the institute level to look after the gender issues. The institute invites experts from various fields to address the girl students' and faculty members.

The institute obtains students' feedback which is studied and analyzed in the direction of method of teaching, subject knowledge, completion of syllabus etc. and conveyed to the concerned faculty for further necessary action. The institute also obtains feedback from other stakeholders like alumni and parents.

Teaching-learning and Evaluation

All the teaching-learning activities are aligned with vision and mission of the institute. The students are admitted through Centralized Admission Process (CAP) conducted by Directorate of technical Education, Maharashtra (DTE).

Institute has taken all the efforts to have diversity of students and faculty from other states. Faculty members are always encouraged to attend workshops, faculty development programmes (FDP), Conferences and TEQIP Programs.

The teaching-learning process is catalyzed by using ICT tools like PPTs, simulation tools, video lectures, and models to get better understanding of course. The institute has Internal Quality Assurance Cell (IQAC), to monitor overall quality of teaching-learning process. The institute faculty dedicated to raise academic standard of the institute by improving result and technical skill of the students.

The skills and employability of students improved by organizing workshops, conferences, expert lectures and technical events like TECHSONANCE. The institute has well formalized Mentoring process and academic scheduling. The internal evaluation has objectively done on the basis of two sessional examination and practical examination. The institute has always implemented of the reforms suggested by affiliated university (RTMNU).

Research, Innovations and Extension

The institute encourages its faculty and students to participate in research activities. The R&D coordinator and heads of all the departments keep coordination and monitor research activities in the college. Faculty members have enrolled for Ph.D programmes in concerned universities and are also granted duty leave by the college for carrying their research work.

The college has also subscribed to different journals in various areas for the reference to faculty and students. Along with that each department has computer laboratory with internet facility for the research work.

Faculty members and students are being encouraged to attend workshops seminars and training programmes at reputed institutes for their benefit and promoting research culture. Till date two conferences have been conducted and students have also published their paper in reputed international journal.

The projects made by the students have attracted attention at different levels and have been appreciated. The faculty also has their research work published in reputed journals and also have written books. The college also focuses on technical training of the students for which different MOUs have been signed with reputed organizations and students are send to industrial training for learning practical aspects of their study. For the holistic growth of students and to sensitize the students for social issues, extension activities are carried through NSS such as tree plantation, blood donation, health camp, sanitation and water conservation.

Infrastructure and Learning Resources

The total carpet area of Manoharbhai Patel Institute of Engineering And Technology Shahapur, Bhandara, building constructed with total area 16.75 acre(6.75 hectors) of village Shahapur is with total built up area 12735.63 sq. m. The institute is divided into mainly four no. of buildings namely Main administrative building,

Mirror Image building, Workshop building and Canteen. The facilities were created in accordance with the AICTE, DTE and RTM Nagpur University norms. An ambience most conducive to good academic activities and effective teaching learning processes has been ensured. The Institute is having well furnished Lecture Rooms, Laboratories, Common Rooms, and Independent Computer Labs, Play Ground and Open Auditorium. All the facilities have been designed as per AICTE norms in mind.

Management of the internet services is carried out with expertise and day-to-day maintenance is for better services with minimum hindrance. Latest anti-virus software is being used in the institution for providing a safe and secure environment for digital activities. Students computer ratio is 1:5 The institute has appointed external agencies for maintenance and repair of infrastructure, equipment and other support facilities. Institute appoints agencies for cleaning of campus, laboratories, library, sports complex computers, classrooms and other Physical infrastructure. The maintenance department mainly supervises work of electrical, civil and computer maintenance work.

Student Support and Progression

The Institute facilitates scholarships and free-ship to students of reserved category and students from economical weaker sections of the society respectively as per the norms of the government. Every department of the Institute arranges expert lectures for students by industrialists and experienced professionals to bridge the gap between industry and academia. Soft skills development, career planning prospect to motivate students to face competitive examinations and also to pursue higher studies.

The students' personal and academic grievances are taken care by the counselors, class teachers and higher authorities, if needed. Different issues such as ragging, gender, sexual harassment etc. are addressed through various cells.

The Institute has a student council comprising of class representatives from each department which looks after the various co-curricular and extracurricular activities. These representatives select 'student representative' who acts as a representative of all the students. The Institute has a centralized training and placement cell to facilitate the students for employment and also help them to choose their career.

The students bring laurels to the Institution every year by winning in various events of sports and cultural activities. Students are encouraged to participate in various University, State and National level events in cultural, sports and technical activities. The Institute organizes 'TECHSONANCE' a mega technical and cultural event during which all the inter-college competitions of technical events are organized.

The Institute also has an Alumni Charter which contributes actively for the growth of the Institution.

Governance, Leadership and Management

College Development Cell (CDC) makes recommendations for the improvement and up gradation of existing academics, administration, infrastructure, extra and co-curricular activities. Earlier, the college was having the Local Management Committee (LMC), which had the similar functions as that of CDC.

Principal & Heads of the department monitor & plan quality improvement strategies taking into consideration the feedback of all relevant stakeholders. Feedback obtained from stakeholders serves to give an understanding

of local, global trends and future needs which helps in fine-tuning the policies to cater to these needs.

Various academic and administrative committees are constituted with specific allotted task as per the academic and administration plans of the college.

Committees are: like Annual Cultural and Sports, Seminar, Students association, Internal Examinations grievance, Discipline, Admissions, Training & Placement, Library, ICC, Grievance Redressal, Anti-ragging etc.

The institute has implemented e-governance, Students Academic Information System, Administration, Finance & Accounts and Examination.

The performance appraisal is carried out each year which helps the institute administration to identify strengths and weaknesses of individual member of teaching and non-teaching.

All teaching and non-teaching staff members are covered under Group Insurance Scheme, Provident Fund, Gratuity, Maternity leaves etc. The account section of institute carries out internal audits. External audit is being carried out by the appointed external auditors.

An Internal Quality Assessment Cell (IQAC) has been set up to monitor and to establish the standards in academics as well as in administration.

Institutional Values and Best Practices

The institution follows various safety and security measures in the campus for the safety of Students and Staff like CCTV cameras, security guards, fire fighting system etc. CCTV has been installed at various prominent places of college. Fire fighting system are installed at every floor of the Institution.

Institute has a NSS, ICC, IQAC, Anti Ragging, SC/ST Committee etc. NSS organized various activities which brings mutual co-existence, cooperation, and helps the needy. Environmental Science subject is made compulsory to all courses in the university. Various gender equity programs are held under ICC.

The campus has a lush green surroundings and care is taken to maintain the existing flora. The physical structure of buildings is taking maximum possible sun light and ventilation at our campus. College has pedestrian friendly roads and the college works towards plastic free campus. Obstacle free environment has been developed for 'Divyangjan' like provision of ramps, rails, lift etc.

Institute organizes various national festivals like Independence Day, Republic Day, Engineers Day and many more.

Best practices that we follows are organizing national conferences and Techno-Cultural & Sports event 'TECHSONANCE' for students.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	MANOHARBHAI PATEL INSTITUTE OF ENGINEERING AND TECHNOLOGY
Address	MANOHARBHAI PATEL INSTITUTE OF ENGINEERING AND TECHNOLOGY, N.H. 6, SHAHAPUR, BHANDARA, DIST BHANDARA PIN 441906
City	SHAHAPUR
State	Maharashtra
Pin	441906
Website	www.mietbhandara.ac.in

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Principal	Ashish Laxmanrao Nashine	07184-202533	7709967710	-	principalmietb@rediffmail.com
IQAC / CIQA coordinator	Abhijit Madhukar Deshpande	07184-202531	9421778751	-	abhijitmd@gmail.com

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details	
Date of establishment of the college	30-06-2010

University to which the college is affiliated/ or which governs the college (if it is a constituent college)		
State	**University name**	**Document**
Maharashtra	The Rashtrasant Tukadoji Maharaj Nagpur University	View Document

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

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	**Recognition/Approval details Institution/Department programme**	**Day,Month and year(dd-mm-yyyy)**	**Validity in months**	**Remarks**
AICTE	View Document	30-04-2020	12	

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

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

Location and Area of Campus				
Campus Type	**Address**	**Location***	**Campus Area in Acres**	**Built up Area in sq.mts.**
Main campus area	MANOHARBHAI PATEL INSTITUTE OF ENGINEERING AND TECHNOLOGY, N.H. 6, SHAHAPUR, BHANDARA, DIST BHANDARA PIN 441906	Rural	16.75	12735

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	BE,Computer Engineering	48	XII STANDARD IN SCIENCE OR EQUIVALENT WITH CET OR JEE SCORE	English	54	54
UG	BE,Civil Engineering	48	XII STANDARD IN SCIENCE OR EQUIVALENT WITH CET OR JEE SCORE	English	30	27
UG	BE,Electronics And Communication Engineering	48	XII STANDARD IN SCIENCE OR EQUIVALENT WITH CET OR JEE SCORE	English	30	0
UG	BE,Mechanical Engineering	48	XII STANDARD IN SCIENCE OR EQUIVALENT EITH CET OR JEE SCORE	English	30	13

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				4				9				27
Recruited	0	0	0	0	0	0	0	0	13	3	0	16
Yet to Recruit				4				9				11
Sanctioned by the Management/Society or Other Authorized Bodies				1				0				23
Recruited	0	0	0	0	0	0	0	0	14	9	0	23
Yet to Recruit				1				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				13
Recruited	11	2	0	13
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				10
Recruited	10	0	0	10
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	1	0	0	0	0	0	2	0	0	3
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	11	3	0	14

Temporary Teachers									
Highest Qualification	Professor			Associate Professor			Assistant Professor		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	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	2	1	0	3
PG	0	0	0	0	0	0	12	8	0	20

Part Time Teachers									
Highest Qualification	Professor			Associate Professor			Assistant Professor		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	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

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	Male	Female	Others	Total
	1	0	0	1

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	283	0	0	0	283
	Female	204	0	0	0	204
	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	12	32	19	16
	Female	16	17	18	17
	Others	0	0	0	0
ST	Male	1	2	2	2
	Female	5	2	1	2
	Others	0	0	0	0
OBC	Male	28	33	34	48
	Female	15	22	21	36
	Others	0	0	0	0
General	Male	5	7	3	10
	Female	5	1	3	3
	Others	0	0	0	0
Others	Male	11	2	11	6
	Female	3	8	6	2
	Others	0	0	0	0
Total		101	126	118	142

Extended Profile

1 Program

1.1

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

2019-20	2018-19	2017-18	2016-17	2015-16
184	184	184	184	230

File Description	Document
Institutional data in prescribed format	View Document

1.2

Number of programs offered year-wise for last five years

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

2 Students

2.1

Number of students year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
475	607	698	779	849

File Description	Document
Institutional data in prescribed format	View Document

2.2

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

2019-20	2018-19	2017-18	2016-17	2015-16
143	143	108	120	150

File Description	Document
Institutional data in prescribed format	View Document

2.3

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

2019-20	2018-19	2017-18	2016-17	2015-16
183	188	184	178	218

File Description	Document
Institutional data in prescribed format	View Document

3 Teachers

3.1

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

2019-20	2018-19	2017-18	2016-17	2015-16
33	36	48	67	54

File Description	Document
Institutional data in prescribed format	View Document

3.2

Number of sanctioned posts year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
48	53	80	80	80

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 25

4.2

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

2019-20	2018-19	2017-18	2016-17	2015-16
71.43	77.52	93.01	112.56	194.78

4.3

Number of Computers

Response: 200

4.4

Total number of computers in the campus for academic purpose

Response: 170

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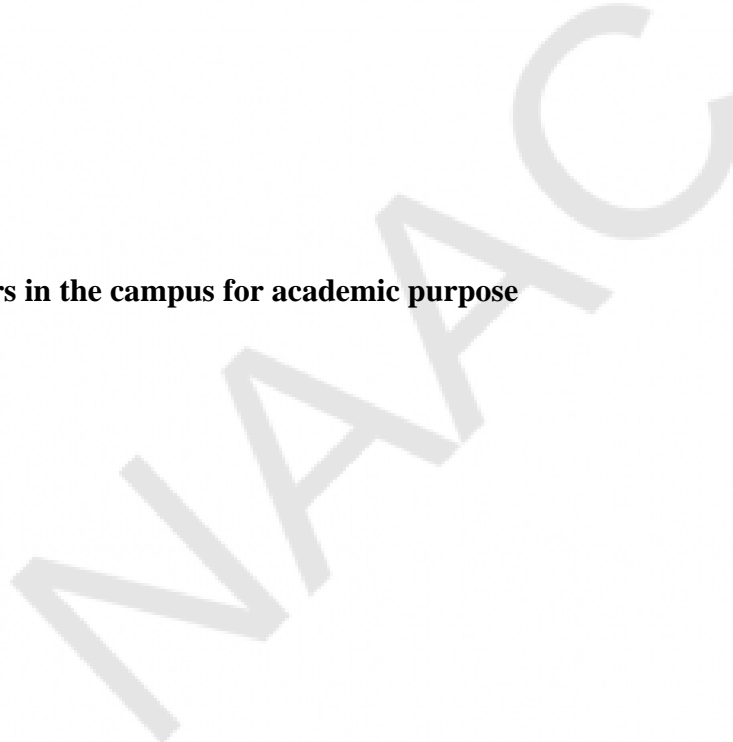
4. Quality Indicator Framework(QIF)

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:

The institute is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, adheres to the syllabus and Academic Calendar prescribed by the University. The institute systematically designs and develops action plans for effective implementation of the curriculum.

The Principal conducts meetings regularly with the Heads of the Department to chalk out various strategies, for effective implementation of the curriculum. Institute strictly follows the calendar issued by Rashtrasant Tukadoji Maharaj Nagpur University for planning the academic activity. The Institute's academic calendar is prepared at the start of semester. Teachers are encouraged to plan the curriculum through innovative teaching-learning methods such as presentations, assignments, discussions, workshops, seminars, industrial visit.

The faculty maintain the course files which include Roll list, time table, teaching scheme, syllabus, teaching plans, PUT/ sessional examination papers, university question papers, record of attendance (Theory and Practical), which is reviewed regularly by Academic Committee.

Apart from regular classes department organize seminars/presentations, guest lectures/workshop to enhance the capability of students. The institute organize induction program for the first year students at the beginning of session. Industrial visits are arranged for the students to orient them with the industrial process.

The development & action plan for effective implementation of the curriculum are detailed below:

• The institute's academic calendar is prepared by the Academic In-charge along institute's academic calendar is communicated to every department. Subjects are allotted to the faculties by Head of the Department and the time table coordinator prepares time table for the semester considering the subject allotment.

• The respective HODs monitor the engagement of the classes & students attendance. The time table execution is maintained by the faculty coordinator and monitored by the Head of the Department.

• Each faculty prepares individual course file and lab file which includes Roll list, time table syllabus, teaching plan, teaching material and aids, assignment, assessment sheets etc.

• The institute organizes sports, technical and cultural events every year to enhance the capability of the students.

• For smooth functioning of teaching learning process the faculty uses OHP, LCD projector, Animations,

Videos and PPTs also.

• The institute organizes various Add on programs for the students to explore their skills such as Spoken tutorial, Auto CAD, Robotics, Stadd-pro etc.

• The institute also provides some slots to students such as activity slots during the regular classes to strengthen their interpersonal and extracurricular skill.

• The result analysis of the semester is prepared when result are declared and directed to improve result of subject if any.

• The parents are invited to meet the HOD & faculty members to get an update on performance of their ward by organizing parent -teacher meet.

• The feedback is taken from students about faculty, This feedback is analyzed and corrective measures are taken for the quality improvement.

File Description	Document
Link for Additional information	[View Document](#)

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

Response:

• Academic calendar for the semester is prepared before two weeks of commencement of the semester.

• The academic calendar is generally prepared on the basis of academic calendar of RTMNU and discussion with heads of the department.

• The academic calendar consist of commencement of classes of odd/even semester, sessional examination, PUT dates, schedule for technical, cultural, sport event, date of submission of internal marks and vacations.

• The list of holidays is also displayed to the student and teachers before commencement of semester as per RTMNU Notification.

• Institute takes all efforts to strictly follow the academic calendar but after receiving the syllabus completion report, the dates of PUT can be changed after discussion with HOD's.

• All the university examination works, like submission of internal marks, incentive mark and other submission dates strictly followed by the institute.

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: E. None of the above

File Description	Document
Institutional data in prescribed format	[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: 4

File Description	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: 21

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

2019-20	2018-19	2017-18	2016-17	2015-16
7	2	7	2	3

File Description	Document
Institutional data in prescribed format	View Document
Brochure or any other document relating to Add on /Certificate programs	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: 38.71

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

2019-20	2018-19	2017-18	2016-17	2015-16
302	225	351	176	170

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	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:

Gender: Institution offers co-education;

• Boys & girls are encouraged to work together in various activities like project work, lab, co-curricular activities.

• The institute has formed its anti ragging committee to look after ragging issues for safety of the students.

• The institute has assigned the duties & responsibilities to the faculty without gender bias. ICC is established at the institute level to look after the gender issues.

• The Institute also celebrates International Women's Day on 8th March by felicitation of all the lady teaching and non-teaching staff & students.

• Girls are given equal opportunities in all organizing committees and departmental students associations. The institute invites experts from various fields to address the girl students' and faculty members.

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Environmental Education:

Following initiatives are taken to create a sense of awareness among the staff and the students:

• Programs such as tree plantation, poster presentation, Swachh Bharat Abhiyaan etc. are being conducted on regular basis.

• Students are being made to visit power station and power plants to get a sense of power scenario and the methodologies being employed to improve the power generation and utilization strategies.

• The curriculum includes a Subject "Environmental Studies" which is an effort to inculcate the importance of Environment amongst the students.

Human Values:

• The institute tries to cover the set of human values through the teaching of ethical sciences at first year, environmental studies in second year & ethics in IT in second year.

• The institute regularly conducts personality development classes to enhance the communication skills in the students.

• Various activities like blood donation camp, programs on communal harmony etc are being conducted under the banner of NSS to instill the human values.

• Campus recruitment and campus placement trainings are regularly conducted for the final year students to increase the employability of students.

• The Institute has well equipped computer and language labs.

• Institute promotes 'Yoga' to generate health and fitness awareness towards the staff and students.

File Description	Document
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	<u>View Document</u>

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

Response: 2.17

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

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

File Description	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: 44.42

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

Response: 211

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: E. None 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: E. Feedback not collected

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: 58.58

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

2019-20	2018-19	2017-18	2016-17	2015-16
74	101	141	212	221

2.1.1.2 **Number of sanctioned seats year wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
228	228	228	252	315

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: 424.12

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

2019-20	2018-19	2017-18	2016-17	2015-16
386	489	553	632	705

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:

Slow Learner and Fast Learner

- An orientation program is organized for first year students in which information is given about institute, curriculum, examination skill and activities of the institute.
- In first year level students are differentiated as slow learner and fast learners on the basis of arks obtained in physics, chemistry, maths and English. Further it based on class test conducted by individual subject teacher. Student who performs better than average student is considered as fast learner.
- Students in higher semester are segregated on the basis of internal assessment and performance in pervious university examination.

Programs organized for slow learners.

- Bridge courses are conducted to fill the gap of curriculum.
- Mentoring of students both academically and psychologically.
- Remedial classes are organized for failure students in university examinations.

Programs organized for advanced learners.

- Encouraged to participate in competitions at university and national level to enhance their skills and to win award and prices.
- Motivate to achieve ranks in university examinations.

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: 14.39

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:

To make process of learning more student centric different techniques of learning adopted by institute:

- The institution organizes various technical and nontechnical events like quizzes, guest lectures, technical workshops and other to improve their technical skills.
- To get complete understanding of practicals,a practical viva is conducted after completion of practical and if student consists any difficulty then it is solved at individual level.
- To improve communication skills language laboratory has special software, this will improve their understanding while communication.
- In the time table of every class an "activity period "of two hours introduced deliberately. These two hours used effectively to improve communication and technical skills, during which group discussion and technical talks are conducted.
- Industrial visits tours and summer –winter trips are arranged to a familiar practical aspect of engineering.
- Special courses are organized apart from regular academics such as CAD, embedded system, Robotics etc.
- E-learning recourses like NPTEL are made available.
- Online certification courses are arranged under MOOC.
- Students are encouraged by the faculty to write technical paper on their project and publish and present at conference. This helps the students to know how about technical writing and presentation skill.

File Description	Document
Upload any additional information	View Document

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

Response:

Today ICT is an integral part of teaching learning process:

- To understand the subject topic faculty has PowerPoint Presentation of their respective subject while some faculty members use OHP slides.

- To facilitate presentation each department in the institute has classroom with projector facility.
- Further to understand the basic complex concepts video related to particular topic shown in classroom e.g. manufacturing process,3-D animation of machines etc.This helps the students to get better understanding through visualization.
- In library, computer facility is available where student can get E-books, manuals, dissertation reports of Projects of various departments etc.
- A computer facility with high speed internet connection facilitates the students watch videos of NPTEL.
- Each student has NAD (National Digital Library) Login to access digital contents.
- Institute always encourage faculty members to attend various FDPs and STTPs related to use of ICT in education.
- In present Covid-19 situation, all the educational activities are going online.

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: 12:1

2.3.3.1 **Number of mentors**

Response: 41

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: 69.58

File Description	Document
List of the faculty members authenticated by the Head of HEI	View Document
Institutional data in prescribed format	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: 10.38

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

2019-20	2018-19	2017-18	2016-17	2015-16
5	6	5	4	2

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: 5.21

2.4.3.1 **Total experience of full-time teachers**

Response: 172

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:

Mechanism of internal assessment:

- The institute follows very objective criteria in inertial assessment. It is very well documented process through its various formats.
- As per university scheme, the internal assessment carries 20% weightage in theory examination. These internal assessment based on assignment, midterm sessional examination and pre university Test (PUT).
- It is mandatory for every subject to give at least 2 assignments which carries 6 marks. Sessional examination having weightage 4 marks based on 2 to 3 units of syllabus which is generally conducted in mid of semester .Pre-University Test Examination based on university examination pattern which is of 10 marks conducted at last of the semester.
- Internal practical examination based on performance, practical record and viva voce which is taken on regular basis.
- Project and seminar is the important part of curriculum and objectively assessed on the basis of presentation, progress report and final reports by committee of teachers.
- Due importance is also given to the grade subjects which are assessed by MCQs Viva-voce and Reports.

Robust System

- Every effort has been taken by institute to conduct all internal assesment test as per academic schedule of institute.
- The process of internal assessment is monitored by academic in-charge and HOD's .and every reform is discussed in the meeting.
- As institute is affiliated to RTM Nagpur University, all the reforms are followed by institute adopted by university.

File Description	Document
Any additional information	[View Document](#)

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

Response:

Grievances in internal assessment:

- To maintain the transparency in the internal assessment which is based on various internal assessment components, assignments questions are displayed in the classrooms and on notice board. Assignment submission status is recorded by individual subject teacher.
- Marks of Sessional Examination and Pre University Test are displayed on the notice board.
- Internal assessment of practical's done objectively base on practical evaluation sheet which is displayed to students.

- If any student persist problem or having any issue with internal marks then he can discuss with individual subject teacher or mentor allotted to him, if found unsatisfactory then he can discuss with HOD. Students have generally given 7 days time to resolve problems before submission of final marks.
- Student performances conveyed to their parents in parent meeting and through post and SMS.
- If student face any problem during Sessional Examination and Pre University Test then internal examination committee which consist of examination In-charge and senior faculty members which is decided by principal takes all efforts to solve it.
- Tentative assignment submission dates, Sessional Examination and Pre University Test (PUT) dates and date of submission of internal marks as per academic schedule of institute which is based on RTMNU university academic calendar.
- All the university examination works, like submission of internal marks, incentive mark and other submission dates strictly followed by the institute.

File Description	Document
Any 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 POs-PSOs are made available to all stakeholders by following means:

- POs-PSOs are published on the website of the institute and displayed at entrance of each department.
- These are disseminated to the stakeholders through interactions such as, Student- class teacher meetings, parent meetings etc.
- The faculty explains the POs-PSOs –Cos in the beginning and course Outcomes expected from the courses offered to the students before the Commencement of every semester.
- A lecture is organized during Induction Programme of first year on Graduate Attributes in order to understand what skill, knowledge and behavior expected from them after pursuing engineering degree programme.

- COs are mentioned in Assignments, sessional examinations and PUT.

File Description	Document
Upload COs for all courses (examples from Glossary)	[View Document](#)
Upload any additional information	[View Document](#)
Paste link for Additional information	[View Document](#)

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

Response:

Attainment Evaluation:

- R.T.M. Nagpur University has provided the syllabus with Course outcomes (COs) for some programs while Course teachers have framed the course outcomes for others.
- For each Course, separate COs Sheet is prepared which consists of PO mapped, and PSO mapped based on content of subject. Based on scale of 1-3.

  - 1-Low co-relation between CO-PO and PSO
  - 2-Medium co-relation between CO-PO and PSO
  - 3- High co-relation between CO-PO and PSO

- CO attainment depends on the internal assessment through sessional exam, PUT, Assignment, Practical's, Project work, and University theory and practical examination
- The CO attainment is calculated based on students' performance in various internal examinations and University examination in the scale of 1-3 based on no. of students got average percentage of marks in examination which is decided by IQAC.As decided by IQAC ,Criteria for Avg. Marks of various examinations for CO attainment are:

Semester	University		Internal Assesment	
	Theory	Practical	Theory	Practical
1st & 2nd	40%	60%	80%	80%
3rd & 4th	40%	60%	80%	80%
5th & 6th	45%	60%	80%	80%
7th & 8TH	45%	60%	80%	80%

- At the At the end of evaluation, the subject wise attainment sheet is to be filled by subject teacher which consists of marks obtained by students in internal assessment and university theory and practical   examination, % of CO Attained, overall Level achieved etc.
- Exam wise CO Code average is calculated and mentioned in sheet.
- The student who got more or equal to average percentage of marks as decided by IQAC (as per above table) considered that outcome is attainded which is denoted by 1 otherwise it is 0.

- Then percentage of student who got more or equal to average percentage of marks is calculated and attainment level is calculated as per following
- **Attainment level 1 =41% to 50% if student who got more or equal to average percentage of marks.**
- **Attainment level 2 =51% to 60% if student who got more or equal to average percentage of marks.**
- **Attainment level 3 =61% and above if student who got more or equal to average percentage of marks.**
- As total attainment is 1, as per RTM Nagpur university weightage of 0.8 given to university theory and 0.2 given to internal assessment. These two factors (0.8 and 0.2) multiplied by level attainded to calculate overall attainment..
- This CO wise average is then written in the CO PO PSO mapping Sheet for final PO, PSO attainment of that Course. Then course wise PSO attainment level is written in Master sheet containing all courses name with PSO mapped details and its average level of attainment for final PSO attainment.
- The attainment evaluation process is being introduced from odd semester of AY 2018-19.

File Description	Document
Upload any additional information	[View Document](#)

2.6.3 Average pass percentage of Students during last five years

Response: 82.03

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

2019-20	2018-19	2017-18	2016-17	2015-16
183	128	148	150	171

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

2019-20	2018-19	2017-18	2016-17	2015-16
183	188	184	178	221

File Description	Document
Upload any additional information	<u>View Document</u>
Institutional data in prescribed format	<u>View Document</u>
Paste link for the annual report	<u>View Document</u>

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.36

File Description	Document
Upload database of all currently enrolled students (Data Template)	<u>View Document</u>

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: 0

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)**

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

File Description	Document
Institutional data in prescribed format	[View Document]()

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

Response: 0

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

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

3.1.2.2 **Number of departments offering academic programes**

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

File Description	Document
Institutional data in prescribed format	[View Document]()

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

Response: 32

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

2019-20	2018-19	2017-18	2016-17	2015-16
19	12	1	0	0

File Description	Document
Report of the event	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[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: 0.04

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

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	2	0

File Description	Document
Institutional data in prescribed format	[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: 0.06

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

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

File Description	Document
Institutional data in prescribed format	[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 aim of education is not only developing students from academic point of view through a efficient teaching/learning process in creating future technocrats, but also to develop their overall personality as a good citizen who cares for national development. If the nation has to develop in all respects, then the young generations should be made aware of prevalent social issues in country. These social issues can be better understood by focusing and involving the students to solve the problems in the neighborhood vicinity. Therefore students shall not only develop as technocrats but they shall also feel for their countrymen and overall development of nation. In this direction, the students of institute participate in various social causes and activities under two major banners; the NSS and 'Vishakha Committee' at the college.

a) National Service Scheme (NSS): As the institute is located in rural areas surrounded by rural masses, NSS forms a excellent platform to serve the rural people. Through NSS different activities such as blood donation camps, health checkup camps low cost sanitation programmes and lectures on awareness of water conservation and rain water harvesting have been carries in nearby villages in Shahapur area.

b) Internal Complaint Committee: This is yet another important Committee that headed by a senior lady faculty member of the college. Under this banner several talks and programme have been organized with main issues such as women empowerment, education, safety and laws for women protection.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for 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: 4

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.**

2019-20	2018-19	2017-18	2016-17	2015-16
2	0	0	0	2

File Description	Document
Institutional data in prescribed format	[View Document](#)
e-copy of the award letters	[View Document](#)

3.3.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., during the last five years (including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)

Response: 15

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

2019-20	2018-19	2017-18	2016-17	2015-16
3	5	3	2	2

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: 15.62

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**

2019-20	2018-19	2017-18	2016-17	2015-16
86	130	84	150	62

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: 0

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**

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

File Description	Document
Institutional data in prescribed format	[View Document]()
e-copies of linkage related Document	[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: 7

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**

2019-20	2018-19	2017-18	2016-17	2015-16
2	2	2	1	0

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

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

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

Response:

The total carpet area Of Manoharbhai Patel Institute Of Engineering And Technology ,Shahapur, Bhandara, building constructed on property bearing no.296, 297, 298, 299, 300, 301, 308, 318, 319, 320, 321, 322, 323 with total area 16.75 acre (6.75 hectors) of village Shahapur in Bhandara District is with total built up area 12735.63 sq. m. Area details as mentioned below. The institute is divided into mainly four no. of buildings namely Main administrative building, Departmental building, Workshop building and Canteen.

The campus has been designed keeping the AICTE and DTE norms in mind. An infrastructure facility has been developed in such a manners that it will offer maximum benefit to the students and concerns. The facilities are created as per the AICTE, DTE and RTM Nagpur University norms. The Institute is having full furnished department wise Class Rooms, fully equipped Laboratories, separate girls and boys Common Rooms, department wise Computer Labs, well maintained outdoor and indoor Play Ground and Open Auditorium. All the facilities has been designed keeping norms set by AICTE. The institute is proud to have very lush green and healthy surroundings spread over 16.75 acre campus area.

Sr. No.		No.	Total Area In m2	
1	Class Room	20	1557.66	
2	Tutorial Room	04	134.48	
3	Laboratory	34	3244.34	
4	Workshop	01	240.00	
5	Additional Workshop/Lab For Category X	04	849.3	
6	Computer Centre	01	156.6	
7	Drawing Hall	01	149.436	
8	Library And Reading Room	01	411.08	
9	Seminar Room	01	396.00	
10	Faculty Room	18	334.56	
11	Instructional Area		6765.68	
12	Administrative Area		482.88	
13	Amenities Area		50571.6	
14	Circulation Area		2626.49	
15	Total Carpet Up Area		11763.36	

File Description	Document
Upload any additional information	[View Document](#)

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

Response:

Sr. No.	Facility	Area/Size (sq. mtr.)	Year of Establishment	
1	Indoor complex	200 sq m	2010	
2	Outdoor (play field)	>5000 sq m	2010	
3	Gymnasium	NA	2010	
4	Yoga center	200 sq m	2010	
5	Prayer room	NA	2010	
6	Dispensary	33 sq m	2010	
7	NSS	33 sq m	2010	
8	NCC	NA	2010	
9	Cultural Activity	Open Auditorium More Than 2000 Capacity	2010	

File Description	Document
Upload any 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: 24

4.1.3.1 **Number of classrooms and seminar halls with ICT facilities**

Response: 6

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

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

Response: 10.62

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

2019-20	2018-19	2017-18	2016-17	2015-16
7.23	2.46	2.30	23.48	32.06

File Description	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:

Library is well equipped with number of volumes:	**12544**
Titles:	**2417**
Number of rare books available:	**101**
National /International Technical Journals:	**29**
Online e- journals:	**Only freely downloadable Journals.**
Project Reports:	**30**
Bonded Journals Volume :	**60**
Accompanying Material CD's:	**30**
Different Magazines:	**30**
Newspapers:	**07** Daily (English, Hindi and Marathi)

There is a separate reading room for staff and students.

Books on GATE and APTITUTE TESTS for knowledge resources are available in the library.

To enhance moral values among the students, inspirational books and Biography are available in the library. Details are enclosed with a separate file.

File Description	Document
Upload any 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: C. Any 2 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: 2.93

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

2019-20	2018-19	2017-18	2016-17	2015-16
5.23	0.74	1.07	0.92	6.69

File Description	Document
Institutional data in prescribed format(Data template)	[View Document](#)
Audited statements of accounts	[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 last completed academic year

Response: 3.94

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

Response: 20

File Description	Document
Details of library usage by teachers and students	[View Document](#)

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

To fulfill requirements of internet for the students and staff. The institution has set up an internet leased-line in the campus. Internet service Management is carried out by the service provider and house staff. To provide safe and secure environment for digital and online activities anti-virus software is installed. To obtain quality internet service, routers and fiber optical network has been established by the service provider.

Each department is having its own IT facility with optimum number of Computers, printers, projectors and scanners. Institute ensures availability of proper number and configuration of physical IT infrastructure. Whenever there is additional demand arises in revised curriculum, it is ensured that required number and configuration of IT infrastructure is available on time. The institute regularly upgrades software and hardware facilities as per the curriculum requirements.

Strategies for deploying and updating IT infrastructure facilities:

- The institute procures new upgraded version of computers and peripherals Software as per the requirements of each department is procured.
- Students are encouraged to undertake project or related assignments on the software.
- The computers are regularly upgraded with Anti Virus.
- Each department has dedicated computer lab, and e-learning facilities.
- CCTV's are installed to monitor all the events and happenings in the institute.

The institute is a regular organizer of many Online departmental and board examinations

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

Response: 3:1

File Description	Document
Student – computer ratio	[View Document](#)

4.3.3 Bandwidth of internet connection in the Institution

Response: B. 30 MBPS – 50 MBPS

File Description	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: 16.06

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

2019-20	2018-19	2017-18	2016-17	2015-16
13.79	14.02	14.80	17.34	22.59

File Description	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:

Institute has appointed agencies for cleaning of campus, laboratories, library, sports ground, computers, classrooms and other Physical infrastructure. Separate maintenance department has been established to supervise work of electrical, civil, garden and computer maintenance work. Each department has lab in-charge who informs through note sheet to the concern in-charge for maintenance of electrical, civil and computer work.

Policies for maintenance of electrical, computers and civil work:

- The maintenance work is carried out by maintenance wing or some private contractors under

maintenance departmental supervision.
- After maintenance work, expenses are forwarded and sanctioned by head of the institute

- **Computer and support facility maintenance:**

- For, Internet connectivity maintenance, CCTV security system and network connectivity problems system administration team is responsible. The formality for the purchase of new computers, printer refilling, antivirus etc. is supervised by the store department. Technical supporting staff looks after Laboratory and other equipments. In case of any repairs, service is hired from outside agencies by calling quotations for the same.

-

  Electrical Maintenance

- A full time electrician is appointed by the institute. Each department lodges a complaint about the electrical maintenance work and give their requirement of electrical appliances through note sheets.

-

  Civil work maintenance

- The civil renovation and maintenance work of entire institute including greenery work is supervised by maintenance department.
- Each department lodges a complaint about civil maintenance work and requirement. Civil maintenance department team then fulfills the requirement.

-

  Other Maintenance Activities:

- A well established system exists in the institution for maintaining and utilizing physical infrastructure, academic and support facilities.
- For Housekeeping, Shree Man power Cleaning Services Pvt. Ltd, a local cleaning service provider has been given contract and it is renewed every year.
- Academic support facilities are also updated, upgraded and maintained with properly defined schedule.
- Sports facilities are maintained for competing at the University and State levels for students.
- Laboratory equipment and other instruments are repaired, upgraded as per latest requirements from time to time.
- Dead Stock Register is manitained for obsolete equipment and central level log book is maintained for consumable and non consumable items.

File Description	Document
Upload any additional information	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

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

Response: 78.38

5.1.1.1 **Number of students benefited by scholarships and freeships provided by the Government year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
378	473	539	615	664

File Description	Document
upload self attested letter with the list of students sanctioned scholarship	[View Document](#)
Upload any additional information	[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: 2.36

5.1.2.1 **Total number of students benefited by scholarships, freeships, etc provided by the institution / non- government agencies year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
24	22	3	21	0

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: 2.93

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

2019-20	2018-19	2017-18	2016-17	2015-16
4	49	33	7	1

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: C. 2 of the above

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

5.2 Student Progression

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

Response: 16.41

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

2019-20	2018-19	2017-18	2016-17	2015-16
15	77	33	7	24

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

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

Response: 5.46

5.2.2.1 **Number of outgoing student progressing to higher education.**

Response: 10

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

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: 84.62

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**

2019-20	2018-19	2017-18	2016-17	2015-16
3	4	1	1	2

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

2019-20	2018-19	2017-18	2016-17	2015-16
13	4	1	1	2

File Description	Document
Upload supporting data for the same	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

5.3 Student Participation and Activities

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

Response: 1

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

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

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

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

Response:

Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

The Institution has an active 'Student Council' which is formed every academic year. The selection of the "Student Council" is as per the norms of RTMNU. The Student Council is selected in the presence of a committee comprising of the Principal and HODs.

The Student Council comprises of the following members:

- Chairman
- Principal nominee
- NSS Program Officer
- Student representative
- All Class representatives
- Cultural Secretary
- Sports Representative

Each academic department has a representative known as class representative, based on the academic performance of the student. Various clubs, forums and associations of each department have nominated student representatives. Based on nominations or sometimes even elections, all these representatives select a 'Student Representative'. This Student Representative acts as a representative of all the students. Student Representative is an active member in student council and various co-curricular and extracurricular activities.

The important highlighting features of the Student Council are as follows:

- The council works as a facilitator between the students and the Institute.
- It takes care of all the extracurricular, co-curricular activities and annual social fest of the Institute.
- It maintains the overall discipline on the campus.
- The University representative represents Institute at University level for various student activities.
- It provides information to the students regarding various beneficiary schemes available at Institute and University level and campaign to create awareness regarding these schemes.

* Budgetary provisions are made to take care of all activities conducted by the Student Council.

The 'Students Council' is responsible for conducting the annual day celebrations, sports day and national level technical fest 'TECHSONENCE' smoothly. The Student's Council organizes a technical fest, 'TECHSONENCE' which includes various activities like paper presentations poster competitions, etc. are conducted during these celebrations. Cultural events program named as 'AAGAZ' is also conducted through the Students Council every year. On the occasion of Independence Day and Republic Day, street plays on social issues are performed by student groups under Student Council.

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: 17

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

2019-20	2018-19	2017-18	2016-17	2015-16
9	21	20	17	18

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:

5.4.1 The Alumni Association has been formulated in the institute with the aim to connect Alumni with the institute and for their support in institute development.

The Institute has an independent alumni association which organizes alumni meets every year since 2018 in the campus. The Head of the departments, faculty and staff members are in constant touch with the alumni through personal contact, e-mail and social media. The institute organizes yearly alumni meets which provides an opportunity for the alumni to visit the institute, have their past memories cherished with other alumni, and interaction with the faculty and students. Again this also helps to have an interaction of current students with the past students and receiving their guidance and help in placement. The institute also looks forward to invite alumni who are experts of various fields for conducting guest lectures on latest field trends for the benefit of students.

In this regard, Alumni meets are arranged in common for all the departments at the institute. In the recent past, alumni meets were arranged on 1 February 2018 and 6 February 2019 where around 35 alumni in 2018 and 37 alumni in 2019 attended and shared their experiences. Over the years, MIET Bhandara has provided a platform for creating technical professional in the region which is evident from the success that has been achieved by our alumni across the country.

Alumni meet was scheduled for the session 2019-20 on 17th March, 2020 but this meet was cancelled due to Covid pandemic.

Following are the activities carried out by Alumni charter:

Provide a variety of benefits and services that help alumni to maintain connection with their educational institution and fellow graduates.

Alumni groups often support new alumni and provide a forum to form new friendships and business relationships with people of similar background.

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: E. <1 Lakhs

File Description	Document
Upload any additional information	[View Document](#)

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

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

Response:

Vision and Mission of our institute is as follows

VISION:

To emerge as a Centre of Excellence in rural area to produce technically competent professionals to serve industry and society

MISSION:

To implement holistic approach in teaching learning process for developing as an engineering professional to meet present and future needs of society.

To enrich students with knowledge, attitude and skills to flourishthem as successful engineers, managers, researchers, Entrepreneurs and responsible citizens.

We at MIET are committed:

To create conducive academic culture for learning and identifying career goals. To provide quality technical education, research opportunities and imbibe entrepreneurship skills, contributing to the society for overall development of students.

Gondia Education Society was established in1958 and has a number of institutions under its roof, one of them being the MIET, Bhandara. The Institute is approved by AICTE and affiliated to RTMNU, Nagpur. The Institute is managed by experienced and qualified faculties. The local management committee is also in place to assist the working of the Institute. The Principal, In charge Academic and Internal Quality Assurance Cell (IQAC) design the strategic plans for the institute. The strategic plans are aimed at striving to achieve the vision and mission of the institute.

Organizational Structure of the Institution:

The administrative system consists of the In-charges and Heads of various departments of the institute. The In-charge (Academic, Research and Development,) are responsible for formulating the respective policies, aimed at executing the strategic plans of the institute. The H.O.D's are responsible for implementing various policies, as formulated by the management, as well as running the routine activities of the departments. The institute has an Office Superintendent who supervises the office staff of the institute. Other office bearers include the Librarian, Workshop Superintendent, Training and Placement Officer, Sports In-charge, NSS Coordinator etc.

The Perspective plans for the institute are formulated by the Principal, in consultation with the In-charge Academic, Office Superintendent and along with the IQAC. The Perspective plans include three major areas: Academic, Infrastructure development and Publicity of the institute.

Under academics, the areas covered are:-

Accreditation, academic evaluation and its improvement, encouraging R & D work among staff and students. Various clubs and associations are formed with involvement of staff and student for conducting curricular, co-curricular and extra-curricular activities of the students. These clubs and associations groom the personalities of the students to make them employable and better professionals.

In Infrastructure development, the areas covered are:-

Establishing new laboratories, providing IT tools to stakeholders, maintenance of college infrastructure etc.

Under publicity of the institute, the areas covered are:-

Improving institutional activities through print media and websites by involving industrial personnel in institutional activity, organizing workshops, training programs and extra-curricular activities.

A number of decision making bodies have been formulated by the Principal. These include the Anti ragging committee, ICC, Grievance Redressal Committee, Alumni committee, etc. Committee members are responsible for formulation and implementation of the respective policies covered under the committee head.

File Description	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:

The Institute recognizes the importance of the opinion of every employee and therefore, practices decentralization and participative management in its entire academic and administrative affair.

The Institute has an organization structure that includes In charge, Heads of Department, Officer Incharge of examination, faculty members, office superintendent, librarian, and non teaching staff headed by the principal. The principal takes the decision in the interest of Institute. All the decisions are taken in the meeting of the top level and senior faculty members and the task is distributed to appropriate level.

Majority of the academic activities are being handled by faculties in the department guided by head of department. The head(s) of department conducts periodic meetings of all respective faculty members actively involved in handling academic activities in the department. Head makes various In Charges for class, time table, club and lab. Heads take suggestions from the faculties for betterment of the academics and administration and forward the same to the Institute administration. The office superintendent takes up the matter related to non-teaching staff to the Principal, who puts the matter before the top administration level for further decisions. Thus, decentralization helps in effective and quality transformation of education to the students.

The participative culture helps to ensure transparency in both academic and administration.

Various co-curricular, extracurricular activities undertaken are Ganesh festival, Sport week, National level conference, and Teshsonance. Some of the program ware conducted under the banner of departmental club (ETHICS, AME, CESA and ACE).The object of participative management and decentralization is evident from the various programs organized in the Institute.

Case study of Techsonance

Manoharbhai Patel Institute Of Engineering and Technology, Bhandara is committed to inculcate team spirit and to account for overall personality development of students. We believe that the technical, cultural and sports activity is every students right and should be available to all without regards to socio-economic status. Access to a spectrum of artistic expressions and cultural experiences is crucial to the development of healthy communities and contributes to the overall academic achievement and social well-being of our student population. We believe besides technical activities, artistic and cultural activities are also an essential component of healthy and vibrant communities.

Institute organizes technical, Cultural and sports event naming 'Techsonance' every year probably in the

month of January and February with the objective to bring out the various talents of the students and to provide a platform for budding artists, technocrats and musicians.

This three days programme contains various technical, cultural, social and sports activities for the students to bring out their hidden talent and develop personality and leadership skills.

File Description	Document
Upload any additional information	[View Document](#)

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

At MIET, every year actions taken on strategic plan are reviewed in detail necessary steps are subsequently taken in order to achieve the targeted goal. Out of many activities in line to strategy the most highlighted are:-

- National level Tech-fest 'TECSONANCE' is annually organized since 2015. Till date 4 TECSONANCE have been organized.
- Improving Skills and Entrepreneurship Development.
- Encouraging faculty and student towards involvement in R & D activities.
- Enhancing the quality of teaching learning.
- Solid waste generated in campus is converted into manure by composting.

Some of the steps to be taken for future development are:-

- Conducting more skill development courses.
- Improvement of placements.
- Encouraging students for competitive examinations such as UPSC, MPSC and all PSU (faculty in-charge is appointed for counseling).

File Description	Document
Upload any additional information	[View Document](#)

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

Response:

Institute has organizational structure:

Governing Body:

The MIET is managed by Gondia Education Society (GES), Gondia, which has its governing body.

College Development Committee (CDC):

The College Development Committee (CDC) comprises of Chairman, Secretary and/or representative of Management, Principal, In charge and nominated representatives of teaching and non-teaching staff. This committee can make recommendations for the improvement and up gradation in the existing academic, administration, and infrastructure, extra and co-curricular activities.

Principal:

The Principal was involved in the implementation of the perspective plans of the institute. They ensure efficient functioning of academic and administration through the departments and various committees constituted for the respective task.

Internal Quality Assurance Cell (IQAC):

IQAC has been established in the college, which meets regularly to assess the quality deliverance of engineering education in the institute leading to achieve the course and program outcomes.

In-Charge(s):

In-Charge(s) of academic and research & development ensure the effective functioning of student related activities and problems and promotion of R & D as per the institute perspective plan and instructions of the principal.

Head(s) of Departments:

The Heads of Departments ensure that the academic calendar provided by the university/college is implemented properly and efficiently.

Committees for specific task:

Various academic and administrative committees are constituted for specific task as per the academic and administration plans of the college.

The Committees are: ICC, Grievance Redressal, Anti-ragging, Annual Cultural and Sports, Students association, Examinations, Discipline, Admissions, Training & Placement, Library etc.

Office Superintendent:

Office Superintendent is the head of Non-Teaching and Non-Technical staff and ensures the administration of various sections runs properly and efficiently as per the college plans and instructions of the Principal.

Service Rules:

The institute follows the service rules as per the provision of relevant annexure of university, statute and directives, state government and statutory bodies under ministry of HRD.

Recruitment of Faculty::

Recruitment of faculty is done as per the norms and statutory provisions of University, State Government and AICTE.

Promotion Policy:

As per the provisions of the university, State Government and AICTE performance Appraisal is evaluated for implementing the Career Advancement Scheme. The Principal appreciates performance of any faculty member during monthly staff meetings notable and then persuades the other faculty members to follow such best practices in the interest of the institute and self-development.

Grievance Redressal Mechanism:

The institute has Grievance Redressal Cell. The cell meets regularly to look into the complaints.

The mechanism to analyze the grievances is given below:

> `.The grievances/complaints can be given to the Grievances Redressal Cell or on our website.
> `.Segregation of the grievance/complaint received is done based on its nature.

`.A report is submitted by the Cell to the Principal.

`.As per the cell report the action is taken thereon.

`.If required, the Principal set up an inquiry committee to study and resolve the matter.

File Description	Document
Upload any 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: C. 2 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](#)

6.3 Faculty Empowerment Strategies

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

Response:

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

- **Employee's Provident fund**

The institution has the mandatory provision of EPF and contributes the eligible amount to

the respective EPF account.

- **Gratuity**

Every staff of the institute is given a gratuity as a social security after his/her retirement.

- **Group Insurance**

College has taken an initiative to have the group insurance for those who are willing to be

the part of this initiative.

- **Maternity Leave**

College renders a maternity leave to eligible lady staff as per the rules of the government.

- **Fee Concession**

Under the institutional social responsibility, institute provides the financial aid in the form

of Fee concession to the staff member.

- **Promotions**

Faculty members, based on the qualification, services, and outcome of the performance

appraisal, are given promotion on to the higher post or financial benefits.

- **Sponsorship for Publication**

For participation in the National or International Conferences and for publishing research

papers in the National or International Journals, its registration fees and the cost for the

participation are given.

- **Sponsorship for knowledge up-gradation**

Faculty members are sponsored for attending STTP, workshops, seminar, and conferences

for up-grading their knowledge.

- **Sponsorship for higher studies**

Faculty members, if opting for higher studies, leading to enhancement of quality, are

sponsored either in terms of finance or in terms of leave.

- **Employees Welfare Fund**

Employees Welfare Fund (EWF) for providing emergency financial assistance to all

employees of Institute in the matters of exigencies.

File Description	Document
Upload any 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: 10.99

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

2019-20	2018-19	2017-18	2016-17	2015-16
0	3	14	3	7

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: 0

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

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

File Description	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: 13.03

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

2019-20	2018-19	2017-18	2016-17	2015-16
9	4	5	6	4

File Description	Document
Upload any additional information	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 institute has an appraisal system which is very fair and transparent. It is designed in such a manner that it gives the gap analysis and improvement areas. The appraisal report gives the idea regarding competency achieved, other achievements and efforts to be undertaken for improvement.

It also motivates the other faculty members to perform well. Each and every faculty member submits the self-appraisal form in the prescribed format endorsed by respective Heads of the Department, In-Charge Academic and In-charge Discipline at the end of every academic year. Beside, from the current session, it has been submitted & reviewed quarterly.

The head of the department and in charges furnishes their observations and submits the appraisal form to the Principal along with their remarks. The Principal goes through the observations thoroughly and carefully and endows his remarks. The Principal initiates corrective measures, where necessary, for improvement in performance. Based on the performance appraisal, staff is given annual increments and in some cases additional monetary benefits are provided to the deserving staff member.

Key points for teaching Staff appraisal are:

- **Personal Information** – Staff member fills information about his/her Experience, added new qualification gained, details of new appointment/promotion during the academic year
- **Teaching and Learning Process** – Teaching Staff write about his/her contribution in delivering

Theory, Practical and Project load.

- **University Assignments** - Staff member write about his/her contribution in paper setting, valuation, moderation, meetings of BOS and other statutory bodies of the University.
- **Administrative works** – Information about various administrative works carried out is mentioned under this section.
- **Departmental Works**- Information about Laboratory setting, renovation, industrial visits and other activities is written under this section.
- **Co-curricular assignments** – Involvement of staff in organizing Seminars/Workshops/ STTP is described in this section.
- **Research and Development** - Contribution in paper publications, Guiding UG Students is described in this section.
- **Books Publications** – Information about published books of the staff is given under this section.
- **Contribution in corporate social life-** Staff member writes about his contribution at various corporate social platforms

Achievements – Staff member states the information about any award, recognition, he/she achieved during the academic year

File Description	Document
Upload any additional information	[View Document](#)

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

In MIET, internal audits are carried by Internal Audit Committee (IAC) which is appointed by the Principal and external financial audits are regularly done by chartered accountant. This chartered accountant is appointed by the institute which performs an audit of the financial statements of the institute. The financial records of the institute are audited after the end of each fiscal year and are certified.

The last audit was done for the financial year 2019-20. There were no objections taken by the auditor.

File Description	Document
Upload any 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)**

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

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

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

Response:

Before the financial year begins, Principal, Heads of Departments prepare the college budget. College budget includes recurring & non-recurring expenses such as salary, electricity and internet charges, equipment and facilities, maintenance cost, stationery and other consumable etc. It includes planned expenses such as purchase of lab equipment, furniture and other development expenses.

Mobilization of fund is done through tuition fee and consultancy, besides conduction of various off-line & online examination of competitive nature.

The optimal utilization of fund is as given below:

- For salary, arrears, & welfare measures
- For mandatory deposits, annual fee of statutory bodies/university, etc
- For creation and maintenance of academic infrastructure
- For purchasing of equipments and software

Year	2019-20	2018-19	2017-18	2016-17	2015-16
Total Income (Fee & other resources	29334378.75	42933494.00	41534232.00	29802802.00	62091050
Total Expenses	38298692.36	41962464.15	48132683.29	50765298.35	71092189

(Academic Expenses, Administrative Expenses etc.)						

File Description	Document
Upload any 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 institute has a Internal Quality Assurance Cell (IQAC) which formulates strategies and processes for the quality improvement in institute.

As per the discussions of the IQAC two best practices institutionalized are as follows;

1) Conducting Guest Lectures from experts: As per the initiatives of IQAC, guest lecturers from industry, government departments or from academic institutions are invited for lectures in different areas

2) Encouraging students for research hence conducted national conference: In order to promote the research culture among students a national level conference has been organized and proposed every year in the institute. The students are encouraged to participate and present papers in the conference at the Institute and in other institutes.

File Description	Document
Upload any 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:

Following are the examples that illustrate the processes of institutional reviews and implementation of teaching learning reforms as facilitated by the IQAC;

- **Academic Audit:** Academic audit is conducted to review teaching learning process.

- **Syllabus Coverage Report**: Daily coverage of topics covered by individual teacher is recorded department wise and if any subject syllabus is found to be lagging as per the schedule, then he is directed to make up the syllabus by taking extra lectures.
- **Result Analysis:** Result analysis is carried out to assess the performance of students in university examination.
- **Feedback Analysis**: A student feedback is taken in the middle of the semester for improvement of teaching quality. The feedback is intimated to the respective subject teachers for improvement in the quality of teaching learning process.

File Description	Document
Upload any 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 intitiatives with other institution(s)
3. Participation in NIRF
4. any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

Response: D. 1 of the above

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

The college is very keen regarding safety and security of the girl students and women faculties the following practices are done in this regard. The college offers admission to downtrodden, needy and economically weaker students. The college has discipline committee for continuous monitoring the security on the campus. The confidence building is done by organizing workshops and programs for girl students. The college campus is fully covered with sufficient light.

The college has Anti-Sexual Harassment committee to take necessary action on sensitive issues of the girl students which helps to ensure their vibrant presence. The entire campus is covered under CCTV cameras. The footage of the recording is often seen and necessary actions are taken, if any suspicious activity is observed. The internal complaint committee is set up as per the Vishakha guideline. The college staff has assigned campus supervision to maintain discipline in the campus. The college has adopted mentor mentee scheme to solve the individual problems both academic and personal of the students. The staff members strive to solve all kinds of problems of the students. College organizes lectures of eminent personalities to create legal awareness, health and hygiene among the students. College has a separate girls common room.

1. Safety and Security:

- In campus 34 Number of CCTV cameras have been installed in the campus with proper maintenance.
- The campus is proved to be secure due to its well maintained security system that is outsourced. The security guards are vigilant and present 24x7at all important locations in the campus.
- The college supports anti ragging drive. Anti ragging committee takes care of and keeps an eye on the activities in the college.
- The college has a Internal Complaint Committee, which deal with the safety and security of girl students and female staff in the campus. These committees also organize activities to motivate, strengthen and spread awareness about health, nutrition, extension activities etc. among the females in the campus.

2. Counseling

- Counseling of students is carried out under the Internal Complaint Committee. This committee has been formulated to deal with issues related to gender bias, promote gender sensitivity and educate male and female members regarding gender equality.
- Apart from these committees the college has well developed teacher guardian scheme (Mentor–Mentee), through which the guardian teacher carries out counseling of students from time to time.
- The teacher mentor guides the students to inculcate confidence in them. They are motivated to perform better and also to being a good human being. The counseling includes social and ethical aspects too.

* Batch of 15 to 17 students is allocated to each mentor.

3. Common Room

* Separate rest rooms are present for girls and boys in institute.
* Proper cleanliness is maintained with recreational facilities for the students.
* Rest rooms for girls are having in house wash rooms.
* Students can relax when they feel sick.
* It is a place where student can study, relax and feel comfortable.

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: D. 1 of the above

File Description	Document
Geotagged Photographs	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:

Solid Waste Management:

• Dustbins are placed at different locations at Institute such as office, departments and staff cabins which are collected regularly.

• The institute has a large open space in campus with planted vegetation which generates organic waste in the form of dry leaves and tree branches, which is collected and subjected to composting in the campus to generate manure. The nutrient rich manure is utilized for the plants as soil conditioner.

• A group of cleaning staff daily collects all the waste in the premises from various dust bins after sweeping, mopping, cleaning and sorts the dry waste and wet waste. The other solid waste generated in the campus is collected in a waste container and is taken away by a venture of Gram Panchayat, Shahapur.

Liquid Waste Management:

• The source of sanitary sewage is from the toilets in the institute. The sewage is treated using septic tanks and the effluent is discharged into the soak pits.

• No specific hazardous liquid waste is generated in the campus.

E-waste Management:

• The E-Waste generated from the Institute is collected and disposed into the E-waste store room. It is proposed that once significant quantity of E-waste gets collected, the E-waste shall be sold to as scrap to local vendors.

File Description	Document
Geotagged photographs of the facilities	[View Document](#)

7.1.4 Water conservation facilities available in the Institution:

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

Response: D.1 of the above

File Description	Document
Geotagged photographs / videos of the facilities	[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: C. 2 of the above

File Description	Document
Geotagged photos / videos of the facilities	[View Document](#)

7.1.6 Quality audits on environment and energy 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: D.1 of the above

File Description	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. **Disabled-friendly washrooms**
3. **Signage including tactile path, lights, display boards and signposts**
4. **Assistive technology and facilities for persons with disabilities (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: B. 3 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](#)
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:

India is a country of a multi-ethnic culture where people belonging to religious, racial, cultural, and lingual identities live together harmoniously. Keeping this view in mind, MIET tries to maintain harmony and try to create goodwill among students. Most of the students taking admissions in the college are local and belong to the nearby places.In major extension activities participation of faculties, students and non-teaching staff are commendable. Each and every student along with faculty members are fully involved in the national developmental activities, national festivals and awareness campaigns. The flex board of environmental awareness, social harmony, unity, and moral values are displayed on the college campus. The college regularly organizes different activities for inculcating the values of tolerance, harmony towards cultural diversities. These activities have a very positive impact on society's cultural and communal thoughts directly. The college thereby celebrates Independence Day, Republic Day, Gandhi Jayanti, Ganesh Chaturthi, Dr.Babasaheb Ambedkar Jayanti, Dr.Babasaheb Ambedkar Mhaparinirvan Din every year with great honor and respect. The college also celebrates 'Constitution Day', Blood donation camps. Under NSS student volunteers done various social activities like 'Swachta Abhiyan' etc.These programs organized by the college promote greater values of life, love, integrity fraternity and patriotism in the minds of the students.

File Description	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 motto of the institute 'promotion of learning' itself shows the equality, liberty, fraternity among every stakeholder. Every year 26th November is celebrated as *'Constitution Day'*. Various types of activities had been arranged to make this day meaningful. Lectures of faculties, eminent speaker are organised on that day to reiterate the significance of the constitution of India. To sensibiliser students, employees of our institution to the constitutional obligations many events are celebrated with fervour.. 26th January *'Republic Day'* is celebrated every year to commemorate the adoption of the constitution. On this day flag is hoisted. Speech on constitution formation and its importance are delivered by faculty members and Principal of the college. The students get to know their duties towards their motherland and also the rights provided to each individual by our constitution. For helping women gain full and equal participation in global development every year on 8th March *International Women's Day.* The *''Independence Day'* celebrated annually on August 15 by hoisting the national pride tricolour flag at our college premises by the Principal. Observance of this day makes us aware of our duties towards our nation and help to promote patriotism and national unity. On this day we also remember and commemorate all the great personalities and freedom fighters who had played a very important role and sacrificed their lives for

bringing independence. As a mark of appreciation to their mentor students of thisninstitution celebrate *Teachers' Day* every year on 5th September which is the birth anniversary of the great teacher Dr Sarvepalli Radhakrishnan. Every year, MIET celebrates September 15 as National Engineer's Day to appreciate the contributions of Mokshagundam Visvesvaraya.

File Description	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: C. 2 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

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

Response:

The Institution organizes National and International, commemorative days, events, and festivals with great zeal. Through the celebration of these events, the students, teaching and non-teaching staff of this college get to know the importance of national integrity in the country in general and their role in it particular. The following important events which are celebrated are

- 26th January Republic Day is celebrated every year to commemorate the adoption of the Constitution.
- 8th March International Women's' Day is observed in the college every year to help students to eliminate discrimination against women.
- 15th August Independence Day a grand event is celebrated every year by the college with the

unfurling of the flag by the Principal of the college.

- 5th September Dr. Sarvapally Radhakrishnan Birth Anniversary is celebrated as Teachers' Day with great fervor by the students to show their regards to the teachers.
- September 15 as National Engineer's Day to appreciate the contributions of Mokshagundam Visvesvaraya.
- 2nd October Mahatma Gandhi Birth Anniversary is celebrated in a befitting way in the month of October .
- 26th November Constitution Day is to commemorate the adoption of the constitution of India.

Apart from observing these national and international events, the college has also observed Van Mahotsav Day create awareness among students about planting trees and conserving forests.

File Description	Document
Geotagged photographs of some of the events	View Document
Annual report of the celebrations and commemorative events for the last five years	View Document

7.2 Best Practices

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

Response:

Best Practice-I

1. Title of the Practice:

• Organizing National Conference for students – Emerging Trends in Engineering and Technology (ETE&T).

2. Objective of the Practice:

• Ability to develop problem statement from literature review which increases their reasoning ability.

• To develop analytical skill, logical thinking and graphical interpretation of data.

• Awareness about the current trends and development in the technology.

• Application of modern tools.

• To develop presentation and communication skill.

3. The Context:

Research and Development in Engineering and Technology should be continues process to keep in pace with technological developments in global scenario. Therefore, seeds of research by motivation of students during their technical education can inculcate in them orientation for research. This shall not only help in their carrier development but also in development of nation. In this context, project work provides a basic idea about research and a platform for its presentation through a conference. Publications in journal bring their work accessible to global community and developing their personal skills.

4. The Practice:

To fulfill the objectives, the institute has started the practice of conducting a national conference for students in the institute since 2018. The selected papers presented in the conference are published in a reputed Journal. Technical experts in their respective areas are invited from reputed institutes to chair the conference.

5. Evidence of Success:

It is observed that since last two years the participation of students in the conference has increased along with participation from other institutes which is encouraging. The publications of the papers in the journal, discussions on the latest thrust areas of engineering are mark of the success achieved. Therefore, presentation of paper in conference and publication has become the best practice of the institute.

6. Problems Encountered and Resources Required Resources required:

• Availability of literature and access on the web

• Expert internal faculty required for guidance

• A panel of Subject Experts

• Infrastructure. Problems Encountered:

• Limited fund availability.

• Lack of Participation from other institute.

• Hostel facility not available for outstation candidate.

Best Practice-II

1. Title of the Practice :

1.Organizing Techno-Cultural and Sports event 'TECHSONANCE' for the overall development of students through various extra-curricular activities.

2. Objectives of the Practice:

Objective of the practice are listed below:

• Developing stage daring among students

• Develop Managerial skills in students.

• Improving communication skills.

• Encouraging students to participate at University or other colleges for sports , technical and cultural events.

3. The Context:

• To inculcate quality of leadership, effective communication skills required for their future.

• To improve sportsman and team spirit through sports activities.

4. The Practice:

The institute aims to focus on overall development of students by providing them opportunity to participate in several technical, cultural and sports activities in the institute through 'TECHSONANCE'. Technical events include Assembly Mania, Robotics, Town Planning, Blind 'C' Programming etc. Whereas cultural events on various topics, such as Saints of Maharashtra, Glimpses of Village etc. Different sports such as Cricket, Football, Badminton, Carrom, Kabbadi etc.

5. Evidence of Success:

Number of students participated in different events organized by University and other state bodies. Number of student's participation has increased every year.

6. Problems encountered and resources required:

Constraints in financial resources and lack of sponsorship. Student participation from other colleges is low.

File Description	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:

Vision: To emerge as a Center of Excellence in rural area to produce technically competent professionals to serve industry and society.

Mission:

• To implement holistic approach in teaching learning process for developing as an engineering professional to meet present and future needs of society.

• To enrich students with knowledge, attitude and skills to flourish them as successful engineers, managers, researchers, entrepreneurs and responsible citizens.

Priority:

The institute is located away from the city and the major thrust area is to provide quality technical education to students of rural areas and the backward sections of the society. To achieve the objective of quality technical education areas of focus are, completion of 100% syllabus, feedback, and remedial classes for weak students are arranged. Apart from this, guest lectures, workshops, training programs, entrepreneurship development programme and career counseling are regularly carried to develop their overall personality and as a professional. The Institute also gives maximum placement opportunities to the students.

Thrust: The Vision & Mission statement defines institute distinctive characteristics. The mission statement of institute focuses on imparting quality technical education to develop them as an engineering professional. The major aim of the institute is to achieve academic excellence, for which institute has qualified and experienced faculty, technical staff and administrative staff who are committed to do best to achieve the mission of the institute. The institute has excellent infrastructure with well equipped laboratories in all the departments, library, training and placement cell, seminar hall and sports facilities. Different cultural events during annual function and sports explore their talent and overall development of the students. Arrangement of various technical and other seminars, workshops, guest lectures help them to develop as engineering professional and for overall personality development. Entrepreneurship development programs also help them to develop as entrepreneurs.

File Description	Document
Any other relevant information	[View Document](#)
Appropriate web in the Institutional website	[View Document](#)

5. CONCLUSION

Additional Information :

The institute runs under Gondia Education Society, Gondia and is located on the National highway No. 6 well connected to Nagpur, spread with lush green campus area of 16 Acres. The institute has become a key centre for technical education in Bhandara within a short span of decade. With excellent infrastructure & facilities, experienced faculties, the institute is providing quality technical education to the people of the region with many constraints and serving the society.

Apart from this, the institute is focusing on overall development of students by conducting expert guest lectures in emerging topics, conference, publishing papers in reputed journals, different social activities (tree plantation, blood donation programs on rain water harvesting and sanitation etc.) under NSS. The institute also conducts annual gathering consisting of various technical events, cultural programs and sports events which nurtures the overall development of students. Also, induction program is conducted every year for the first semester students after their admission. The institute conducts Entrepreneurship Development Programs/workshops in collaboration with MCED, Govt. of Maharashtra with an aim of developing entrepreneurship skills among the students.

Towards efficient working the institute has constituted different cells/committees such as College Development Cell (CDC), Internal Quality Assurance Cell (IQAC), Grievance Redressal Committee, Anti Ragging Committee, Internal Complaint Committee and Committee for SC/ST.

Concluding Remarks :

With a clearly defined mission and vision, MIET Bhandara with its excellent infrastructure facilities and well experienced staff, has become a prominent institute in the region for providing quality technical education and all round development of the students.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification
1.3.3	**Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year** 1.3.3.1. **Number of students undertaking project work/field work / internships** Answer before DVV Verification : 245 Answer after DVV Verification: 211 Remark : edited after excluding duplication of same student doing project work & internship.
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* Answer before DVV Verification : B. Any 3 of the above Answer After DVV Verification: E. None of the above Remark : Feed back collected is not on syllabus / curriculum
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** Answer before DVV Verification : B. Feedback collected, analysed and action has been taken Answer After DVV Verification: E. Feedback not collected Remark : feedback collected is not on syllabus/curriculam.
2.1.1	**Average Enrolment percentage (Average of last five years)** 2.1.1.1. **Number of students admitted year-wise during last five years** Answer before DVV Verification: <table><tr><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td></tr></table>

75	101	141	212	221

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
74	101	141	212	221

2.1.1.2. **Number of sanctioned seats year wise during last five years**

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
228	228	228	315	315

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
228	228	228	252	315

Remark : No. of students admitted during 2019-20 is 74 as per the certificate of Principal. No. of program during 16-17 is 4 , sanctioned seats 240 plus additional seats 3*4=12, based on supporting documents Principal's certified statement, AICTE approval letters

2.4.3	**Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)** 2.4.3.1. **Total experience of full-time teachers** Answer before DVV Verification : 5.927 Answer after DVV Verification: 172 Remark : Edited after excluding eight teachers from the full time teachers list, the total number experience of 33 teachers is considered.

2.6.3	**Average pass percentage of Students during last five years** 2.6.3.1. **Total number of final year students who passed the university examination year-wise during the last five years** Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
182	128	148	150	171

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
183	128	148	150	171

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

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
182	188	184	178	221

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
183	188	184	178	221

Remark : HEI clarification document signed by Principal shows no. of students appeared and no. of students passed during 2019-20 as 183.

3.2.1	**Number of papers published per teacher in the Journals notified on UGC website during the last five years** 3.2.1.1. **Number of research papers in the Journals notified on UGC website during the last five years.** Answer before DVV Verification: 	2019-20	2018-19	2017-18	2016-17	2015-16
9	30	9	11	1 | Answer After DVV Verification : | 2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	2	0 | Remark : Only research papers published by 'Springer' & Thermal Science considered. Journals not listed in UGC CARE not considered.
---	---
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** 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** Answer before DVV Verification: 	2019-20	2018-19	2017-18	2016-17	2015-16
0	33	3	5	12 | Answer After DVV Verification : | 2019-20	2018-19	2017-18	2016-17	2015-16
0	0	1	1	1	

Remark : Considered only books with ISBN No., & proceedings with ISSN no.

| 3.3.3 | **Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., during the last five years (including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)** |

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

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
5	7	4	3	3

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
3	5	3	2	2

Remark : Only activities conducted in collaboration with organisations considered.

| 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** |

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**

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
2	2	3	4	3

Answer After DVV Verification :

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

Remark : Edited in the absence of collaboration documents.

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

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

Answer before DVV Verification:

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

| 4.42 | 3.77 | 3.25 | 29.48 | 37.35 |

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
7.23	2.46	2.30	23.48	32.06

Remark : From the certified statement of Auditor & Principal, exp relating to Journals & Books, taken from Schedule 'A' is deducted.

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)**

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)

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
44.23	37.8	32.52	29.48	37.35

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
13.79	14.02	14.80	17.34	22.59

Remark : HEI has not provided breakup /highlighted entries in the Rec. & Paymt. account, supporting the figures shown in the certified document of Auditor & Principal.

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**

Answer before DVV Verification : A. All of the above
Answer After DVV Verification: C. 2 of the above

6.2.3	**Implementation of e-governance in areas of operation**

1. **Administration**
2. **Finance and Accounts**

	3. **Student Admission and Support**
	4. **Examination**
	
	    Answer before DVV Verification : A. All of the above
	    Answer After DVV Verification: C. 2 of the above
	  Remark : HEI, has provided supporting documents for 1 & 2 only.

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.**
	
	    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**
	        Answer before DVV Verification:
	
		2019-20	2018-19	2017-18	2016-17	2015-16

---	---	---	---	---
0	3	13	3	8 | Answer After DVV Verification : | 2019-20	2018-19	2017-18	2016-17	2015-16
---	---	---	---	---
0	3	14	3	7	

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).**
	
	    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**
	        Answer before DVV Verification:
	
		2019-20	2018-19	2017-18	2016-17	2015-16

---	---	---	---	---
26	4	5	6	9 | Answer After DVV Verification : | 2019-20	2018-19	2017-18	2016-17	2015-16
---	---	---	---	---
9	4	5	6	4	 Remark : Edited based on clarification report received from HEI, excluded the repetition one faculty in multiple programmes and programmes with less than 5 days.

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**
	
	    Answer before DVV Verification : B. 3 of the above
	    Answer After DVV Verification: D.1 of the above
	Remark : Supporting document provided for sl. no 3 only

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**
	
	    Answer before DVV Verification : Any 4 or All of the above
	    Answer After DVV Verification: C. 2 of the above
	Remark : supporting documents for only sl. no. 3 & 5 provided.

2.Extended Profile Deviations

ID	Extended Questions
1.1	**Number of courses offered by the Institution across all programs during the last five years** Answer before DVV Verification: 	2019-20	2018-19	2017-18	2016-17	2015-16
---	---	---	---	---
4	4	4	4	5 | Answer After DVV Verification: | 2019-20	2018-19	2017-18	2016-17	2015-16
---	---	---	---	---
184	184	184	184	230	
2.2	**Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years** Answer before DVV Verification: 	2019-20	2018-19	2017-18	2016-17	2015-16
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479	486	528	570	600 | Answer After DVV Verification: | 2019-20	2018-19	2017-18	2016-17	2015-16
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143	143	108	120	150	
2.3	**Number of outgoing / final year students year-wise during last five years**

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
182	188	184	178	221

Answer After DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
183	188	184	178	218

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

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
41	48	67	73	66

Answer After DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
33	36	48	67	54

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

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
44	48	70	76	80

Answer After DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
48	53	80	80	80

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

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
71.43	77.52	93.01	112.56	247.56

Answer After DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
71.43	77.52	93.01	112.56	194.78