



# **SELF STUDY REPORT**

**FOR**

**1<sup>st</sup> CYCLE OF ACCREDITATION**

## **MADAN MOHAN MALAVIYA UNIVERSITY OF TECHNOLOGY GORAKHPUR**

MADAN MOHAN MALAVIYA UNIVERSITY OF TECHNOLOGY, DEORIA ROAD  
273010

[www.mmmut.ac.in](http://www.mmmut.ac.in)

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**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

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# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

Madan Mohan Malaviya University of Technology (MMMUT), Gorakhpur has grown to become National flagship, research-led university of UP State Government, known for the excellence of its teaching, research, and service to local, national, and international communities. MMMUT has been strategically built (2013) on the legacy of success presented by Madan Mohan Malaviya Engineering College Gorakhpur (established in 1962 by Government of U.P.) towards providing cutting edge learning experience, internationally benchmarked education, intellectual freedom, and critical research opportunities in frontier areas of contemporary concern. Banking on our experience, we have single-mindedly committed ourselves to innovatively design course curricula vetted by industry experts, who possess practical know-how, and applied with complete dedication to achieve academic excellence.

MMM University of Technology a name to reckon with in the academic fraternity by giving a strong impetus to creating an environment of knowledge application and holistically inspiring students to become eminent leaders of tomorrow. To meet these challenges, University has good academic, research & development and residential infrastructure, well equipped modern laboratories and classrooms, campus wide internet & Wi-Fi facilities and stake of our sports, games & cultural infrastructure. University has the alliances and collaborative partnerships for student/faculty exchange, summer interns, joint research, etc. with business, government, and other research institutions/Universities of India and abroad.

University has more than 4800 students in seven B. Tech. programmes i.e., Civil Engineering, Electrical Engineering, Mechanical Engineering, Electronics & Communication Engineering, Computer Science & Engineering, Chemical Engineering, and Information Technology along with B. B.A, M.B.A., M.C.A and M.Sc. in Physics, Mathematics and Chemistry. University is running M. Tech. in 12 disciplines and full time Ph.D. programmes in number of disciplines as part of Quality Improvement Programme of MHRD, University is QIP centre for PhD program University fellowships and TEQIP-III project and other fellowships on JRF/SRF etc. University ranked in 200 Ranking Framework – 2020 and listed top emerging University by India Today.

### **Vision**

To facilitate and promote studies, research, technology incubation, product innovation and extension work in Science, Technology and Management Education, and also to achieve excellence in higher technical education.

### **Mission**

The distinctive mission of the University is:

- to serve society as a center of higher learning, providing long-term societal benefits through transmitting advanced knowledge, discovering new knowledge, and functioning as an active working repository of organized knowledge.
- to take leadership role by providing need based programs in engineering and technology, applied sciences, management, humanities, architecture, pharmacy, retail and fashion design, mass-

communication, agriculture and other employable courses in emerging areas;

- to promote compassionate care of the highest quality that translates new knowledge into meaningful improvements in technological outcomes through interdisciplinary collaboration, fiscal responsibility, support of diversity, a focus on quality and a culture of professionalism.
- to establish value creating networks and foster relationship with other leading institutes of higher learning and research, alumni, and industries in order to provide significant contribution to national and international development.
- to create an intellectually stimulating Infrastructure and conducive environment for technology research, scholarship, creativity, innovation, entrepreneurship, and professional activity for service to community and economy.

## 1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

### Institutional Strength

- Qualified and experience faculty
- Good Infrastructure
- Clean and green campus with good ambience
- Residence facility for student, faculty, and staff
- Credit based choice system
- Good Research Funding
- Good Quality Publications
- Well Equipped Laboratories
- Modern classroom with virtual interface
- Good IT infrastructure
- Distinguished alumni serving at various key position in India and abroad
- Proactive Management
- Dedicated incubation centre for all innovators of University and surroundings
- Decentralized management system to promote senses of belongingness, transparency, efficiency, and accountability among the members of University

### Institutional Weakness

- Affected by geographical location
- Less patents per faculty
- Industry need base research
- Less industry-institute interactions
- Inadequate resident facility for faculty, staff, and students
- Lesser quality placement

### Institutional Opportunity

- Industry driven or societal need base research
- More initiatives towards to skill India and Start up India
- Enhance the interaction with industry in curriculum planning and academic activities

- Transform university towards excellence and institute of eminence
- Enhance the employability of students with better salary package
- Digitalization of University
- Establishment of massive open online courses centre
- Adopting National Education policy 2020
- Establishment of centre for skilled development and entrepreneurship (CSDE)

### **Institutional Challenge**

- Transformation of traditional teaching-learning process to skilled base education
- World-class infrastructure
- Starting research centre in various discipline in collaboration with industry
- Attracting talents as student from all over the globe

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

The Course Outcomes (COs) are drafted by the concerned faculty members. This is finalized after rigorous discussion with all faculty members of the department, Alumni, students and members from industry, and then passed through the Board of Studies (BoS) of the department. Board of Studies for different departments includes the Faculty Members of the department, representatives from Academia, Industry, Alumni and students.

Three B.Tech. programmes (CE, CSE & EE), have been accredited from NBA, New Delhi, since 2016 (3+3 years) and one B.Tech. programme (ME) has been accredited in 2019 for three years.

The Academic Council recommends these inputs to the Board of Management, an apex body of the University, for the approval. Academic Council and BoS members ensure that the curriculum of every program has relevance to the local/national/regional/global developmental needs. With the reconstitution of College into University from December 1, 2013; new Ordinances based on the Choice-based Credit system were adopted from the academic session 2014-2015 onwards. The Grades awarded are based upon Absolute Marks secured by the students in each subject. In Ordinances of UG and PG programmes, the curriculum has been designed with certain total minimum Credits.

The curriculum and courses of all the UG programmes are designed to fulfil the Graduate Attributes laid down by the NBA, New Delhi under outcome-based education with explicit POs, PSOs and COs.

The course structures for various programmes were based upon fixed number of compulsory and elective subjects. The courses are covered through the lectures, tutorials, laboratory classes, seminar, industrial and practical training, project, industrial visits, etc. as prescribed by the University. The Grade Card includes the remarks for the average attendance of students and the remarks for General Proficiency which is based upon the performance of students in Discipline/ Games /Sports /Cultural, Academic & Research activities/ Special Lecture & Extra-curricular Events. The NSS, NCC and YOGA inculcate in the minds of students the needs of society and enable them to have a broad outlook on life and lead to holistic development of student's personality.

## **Teaching-learning and Evaluation**

We are one of the preferred destinations among engineering aspirants with 1:16 demand ratio of last 5 years average. Catering the diversity of the whole social structure of our society we could achieve the admission on more than 84% of the categorically reserved seats on average.

The teachers focus more on engaging students and making students participate & perform, rather than merely teaching. The need of slow and fast learners is well recognised and facilitated as well. The learning of slow learners is complemented through Special remedial classes, language classes to improve verbal and written skill/knowledge and counselling by concerned faculty to resolve their issues. Whereas fast learners are seen more active to participate in additional activities in various IITs/NITs and University, work with practical projects, contribute voluntarily with different technical societies, learn foreign language classes like German, French, Chinese etc. In few activities like extra-curricular a mix response is seen that caters well in developing their attributes.

There is an adequate team of well experience faculty with huge experience and practicing best pedagogy. With more than 85% appointed faculty against sanctioned seats, 10+ years of average experience and more than 50% of faculty being doctorate university have registered continuous growth in the intellectual capital and got several awards and appreciation.

We follow student centric, interactive & student friendly approach in teaching-learning, using IT enabled resources in fully digital classrooms. Students are provided 24x7 internet access through leased lines for wired network and Wi-Fi in hostels & whole campus including playgrounds. The library is opened 7days 9:15am-8:30pm regularly and during exams 9:15am-9:00pm not only provide hardbound books but digital section facilitates online access to books on intranet at any time & anywhere. There are multiple efforts to ICT enable the learning of the students, The university subscribes a large number of e-resources including ebooks, e-libraries, ejournals and digital repositories like Gyan-Sindhu and Shodh-Sindhu. There are most updated software and hardware in the Labs to provide simulation tools and practical based learning.

## **Research, Innovations and Extension**

The University provides facilities to promote a conducive ecosystem for research, innovation, and extension activities. University is doing all efforts to create a research culture. The university is enabling faculty members/researchers to undertake research/ research projects to improve academic standard and serve the society. For the promotion of research, university is funding numerous activities like organisation of national/international infrastructure, faculty development program, scholarship, meeting for projects, research initiation grant(RIG) etc.

University organizes Malviya research conclave(MRC) every year to foster research by having conglomeration of research scholars academicians, researchers from various institutes and industry of global repute. University significantly promotes innovation and consultancy works. The consultancy work is specifically carried out by various departments of the University that enhances the revenue of the University. Several MOUs with national and international institutions and industry are functioning and it contributed to various collaborative activities like PhD supervision, research projects and workshops. This is significantly beneficial in skill development of students and faculty members.

The main objective of these efforts and activities made are to enhance research activities, exchange of the lab facilities and technical knowledge taking us social projects/research/ supervision/publication.

University is concerned for social responsibilities and issue relevant to gender, environment and sustainability human values and profession ethics are integrated with curriculum through NSS, NCC, women cell and other activities.

University has made significant effort for collaborating activities research, faculty, exchange, student exchange/ internship.

### **Infrastructure and Learning Resources**

Madan Mohan Malaviya University of Technology, Gorakhpur has adequate facilities for teaching-learning such as classrooms, laboratories, IT Resource Centre, Hospital, Language lab, Central library, and Central Workshop. The campus has Training and Placement Cell, boy's hostel, and girl's hostel. The University has a multipurpose hall which is used as an auditorium. It is fully air-conditioned with 800 seating capacity, 40 feet x 30 feet stage, two green rooms, and a robust PA/ audio-visual presentation system. It is used to organize functions such as convocation, cultural events, and yoga. The university has a Design, Innovation & Incubation Centre (DIIC), which aims to foster design, innovation, research, and entrepreneurial activities in technology-based areas.

The Central library of the University has a wide collection of books and periodicals on scientific, technical, and allied subjects. It operates on open access system and students are given free access to books and journals that are kept on open shelves. The Library is automated using Softgranth Integrated Library Management System (ILMS). The average annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the last five years is Rs. 26.76 lakh.

There are ample number of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, and Wi-Fi/LAN. University IT policy exists to maintain, secure, and ensure legal and appropriate use of Information technology infrastructure established in the University campus. Information Technology Resource Centre (ITRC) provides facilities to support and enhance the educational mission of the University; for enriching the educational experience of the students, faculty and the staff and supporting their research and academic activities; and for providing automation support to the institute.

The University has a systematic mechanism for maintaining and utilizing physical, academic and support facilities like laboratory, library, sports complex, computers, and classrooms. Some of them are maintained by an Annual Maintenance Contract (AMC) given to concerned agencies and the others are maintained by the maintenance section of the University consisting of skilled staff members.

### **Student Support and Progression**

Our University consider its students as primary asset and has full dedication and devotion in Student support and progression. The average percentage of students benefited by scholarships, freeships, etc. provided by the institution, Government and non-government agencies (NGOs) during the last five years (other than the

students receiving scholarships under the government schemes for reserved categories) is 24.74 percent and total number of students benefited are (4676) Four Thousand Six Hundred Seventy-Six.

The students are taken care of by providing various facilities like encouragement for participation in co-curricular activities, indoor and outdoor sports facilities and supports to students with financial assistance from the University. In last five years total 164 Sports, Cultural and Competitive events are organized by university (On an average 32.80 every Year).

Average percentage of students qualifying in state/ national/ international level examinations during the last five years (e.g.: NET/SLET/GATE/GMAT/CAT/GRE/TOEFL/Civil Services/State government examinations) is 62.76 percent.

The University publishes its updated “**Information Brochure**”, which highlight the facilities available in the Universities having information about different committees like Dean of Students affairs, Women Cell, Council of Students Activities etc of the university and annual calendar, NSS and NCC, library facilities, sports activities, scholarship and free ship support system, and career counselling etc., along with this University have its annual Magazine “**Malvika**” that have glimpse of co-curricular and extra-curricular activities. Also, university published its **Annual Progress Report** every year, which have all details of curricular activities along with publications, T & P data, Faculties’, and Students’ achievements of the university.

The university has well established Training & Placement cell which helps in career counselling with proper guidance of students towards a better career and providing job opportunities through campus interviews with the support of prospective employers. Average percentage of students benefited by career counselling and guidance for competitive examinations offered by the Institution during the last five years is 66.05 %. University has a good placement record with improving placement and increasing packages. This year 257+ students of various courses are already placed.

### **Governance, Leadership and Management**

The Governance of the University is strictly in accordance with the vision and mission. To achieve the stated vision and mission, the University has involved the stakeholders at various levels. The University takes the feedback of its stakeholders and alumni for the holistic growth of the University. The major decisions which have a bearing on the function and the goal of the University are done by the Board of Management (BOM). The Vice chancellor of the University is Chairman of BOM, who has full freedom to take decision in the interest of holistic development of the University as well as state of art education to the students. The University defines the decentralized in working through delegation of authority. The University has developed a roadmap/action plan for the overall growth of the University. The roadmap/action plan was finalized after various rounds of brainstorming sessions conducted involving various levels of inside and outside experts.

The journey of growth started with increase in the intake capacity of existing undergraduate programmes of engineering and introducing two new under graduate programmes in engineering. Later on, three full time M.Sc. level programmes started in basic science departments. One under graduate programme named Bachelor of Business Administration (BBA) has been started by Humanities and Management Science department. In addition to above mentioned, there are number of programmes in pipeline to start in future. Besides this, admission in PhD programmes is also enhanced.

To cater the needs of increased students’ strength, various projects have been submitted concerning to increase

in faculty strength as well as infrastructure. The growth in infrastructure means enhancement of building and enrichment of facilities in various laboratories of the University. The government has created various new posts of different levels of faculty, teaching supporting staff, secretarial staff as well as other officers of the University. A number of construction projects sanctioned by government of Uttar Pradesh and DDUQIP. The most of the labs have been equipped with state of art facilities with financial support by TEQIP phase III and RUSA.

### **Institutional Values and Best Practices**

The university is one of the premier institutions which organize a lot of gender equity and sensitization programmes like curricular, co-curricular and other activities in which equal opportunity is given to both the genders to participate in various events. The Council of Students Affairs (CSA) which includes NCC, NSS Units and other sub councils of this institute organizes various activities/programmes in which equal opportunity is given to all boys and girls. Women welfare cell of the institute actively functioning which provide a platform for the girl's students to raise their problems. The institute has facilities for alternate source of energy and energy conservation measures like solar energy, wheeling to the grid, use of LED bulbs/ power efficient equipment. University is conscious about its responsibility towards the environment and work on the principles of three 'R' model to maintain Eco-friendly campus: Reduce, Re-use, and Re-cycle. The university have good water conservation facilities like rainwater harvesting, construction of tanks and bunds, and maintenance of water bodies and distribution system in the campus. The university have so many green practices taking place in the campus. Many students and staff members use bicycles for their transport. Most of the day scholar students use the university bus to reach the campus. The institute conducts energy audit and awareness about environmental issues, climate change and conducts programmes to encourage utilization of renewable energy sources. The institution has all required things of disabled –friendly, barrier free environment. The university efforts in providing an inclusive environment by doing lot of things like blood donation campaigns, tree plantation, free teaching for poor children etc. The institute follow standard rules and regulations for all the students, staff, and faculty members. The university organizes national/International days to promote national unity, integrity, and patriotism among the youth minds.

Several best practices are in existence in the university which has been benefitting the students, employees of this university and society. One of the best practices is the participation of the University in Social Activities.



## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the University	
Name	MADAN MOHAN MALAVIYA UNIVERSITY OF TECHNOLOGY GORAKHPUR
Address	Madan Mohan Malaviya University of Technology, Deoria Road
City	Gorakhpur
State	Uttar pradesh
Pin	273010
Website	<a href="http://www.mmmut.ac.in">www.mmmut.ac.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Vice Chancellor	Jai Prakash Pandey	0551-2273958	9235500501	0551-2270011	vc@mmmut.ac.in
IQAC / CIQA coordinator	D. K .dwivedi	0551-8765783714	9235500510	0551-	dkdpms@mmmut.ac.in

Nature of University	
Nature of University	State University

Type of University	
Type of University	Unitary

Establishment Details	
Establishment Date of the University	01-12-2013
Status Prior to Establishment,If applicable	Autonomous College
Establishment Date	27-05-1962

<b>Recognition Details</b>		
<b>Date of Recognition as a University by UGC or Any Other National Agency :</b>		
<b>Under Section</b>	<b>Date</b>	<b>View Document</b>
2f of UGC	01-12-2013	<a href="#">View Document</a>
12B of UGC	15-06-2020	<a href="#">View Document</a>

<b>University with Potential for Excellence</b>	
Is the University Recognised as a University with Potential for Excellence (UPE) by the UGC?	No

<b>Location, Area and Activity of Campus</b>							
<b>Campus Type</b>	<b>Address</b>	<b>Location*</b>	<b>Campus Area in Acres</b>	<b>Built up Area in sq.mts.</b>	<b>Programmes Offered</b>	<b>Date of Establishment</b>	<b>Date of Recognition by UGC/MHRD</b>
Main campus	Madan Mohan Malaviya University of Technology, Deoria Road	Urban	338.52	52219.3	B. Tech, B.B.A., M. Tech., MCA, MBA, MSc, PhD		

## 2.2 ACADEMIC INFORMATION

### Affiliated Institutions to the University

<b>Type of Colleges</b>	<b>Permanent</b>	<b>Temporary</b>	<b>Total</b>
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Furnish the Details of Colleges of University

Type Of Colleges	Numbers
Constituent Colleges	0
Affiliated Colleges	0
Colleges Under 2(f)	0
Colleges Under 2(f) and 12B	0
NAAC Accredited Colleges	0
Colleges with Potential for Excellence(UGC)	0
Autonomous Colleges	0
Colleges with Postgraduate Departments	0
Colleges with Research Departments	0
University Recognized Research Institutes/Centers	0

Is the University Offering any Programmes Recognised by any Statutory Regulatory Authority (SRA)		: Yes
SRA program	Document	
AICTE	<a href="http://105094_3902_1_1602830903.PDF">105094_3902_1_1602830903.PDF</a>	

### Details Of Teaching & Non-Teaching Staff Of University

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned	28				46				124			
Recruited	7	0	0	7	19	0	0	19	72	4	0	76
Yet to Recruit	21				27				48			
On Contract	0	0	0	0	0	0	0	0	0	0	0	0

<b>Non-Teaching Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned				229
Recruited	128	17	0	145
Yet to Recruit				84
On Contract	0	0	0	0

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned				104
Recruited	42	2	0	44
Yet to Recruit				60
On Contract	0	0	0	0

**Qualification Details of the Teaching Staff**

<b>Permanent Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Male</b>	<b>Female</b>	<b>Others</b>	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	7	0	0	18	0	0	32	3	0	60
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	7	0	0	19	0	0	51	4	0	81

<b>Temporary Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	15	7	0	22
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	30	22	0	52

<b>Part Time Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
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

**Distinguished Academicians Appointed As**

	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Emeritus Professor	0	0	0	0
Adjunct Professor	0	0	0	0
Visiting Professor	0	0	0	0

**Chairs Instituted by the University**

<b>Sl.No</b>	<b>Name of the Department</b>	<b>Name of the Chair</b>	<b>Name of the Sponsor Organisation/Agency</b>
1	Not Applicable	Not Applicable	Not Applicable

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

Programme		From the State Where University is Located	From Other States of India	NRI Students	Foreign Students	Total
Doctoral (Ph.D)	Male	163	4	0	0	167
	Female	43	1	0	0	44
	Others	0	0	0	0	0
PG	Male	497	15	0	0	512
	Female	337	4	0	0	341
	Others	0	0	0	0	0
UG	Male	2867	112	0	0	2979
	Female	761	33	0	0	794
	Others	0	0	0	0	0

Does the University offer any Integrated Programmes?	No
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#### Details of UGC Human Resource Development Centre, If applicable

Year of Establishment	Nil
Number of UGC Orientation Programmes	0
Number of UGC Refresher Course	0
Number of University's own Programmes	0
Total Number of Programmes Conducted (last five years)	0

## 2.3 EVALUATIVE REPORT OF THE DEPARTMENTS

<b>Department Name</b>	<b>Upload Report</b>
Chemical Engineering	<a href="#">View Document</a>
Chemistry And Environmental Science	<a href="#">View Document</a>
Civil Engineering	<a href="#">View Document</a>
Computer Science And Engineering	<a href="#">View Document</a>
Electrical Engineering	<a href="#">View Document</a>
Electronics And Communication Engineering	<a href="#">View Document</a>
Humanities And Management Science	<a href="#">View Document</a>
Information Technology And Computer Application	<a href="#">View Document</a>
Mathematics And Computing Science	<a href="#">View Document</a>
Mechanical Engineering	<a href="#">View Document</a>
Physics And Material Science	<a href="#">View Document</a>

## Extended Profile

### 1 Program

#### 1.1

##### Number of programs offered year-wise for last five years

2020-21	2019-20	2018-19	2017-18	2016-17
37	36	33	28	28
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

#### 1.2

##### Number of departments offering academic programmes

Response: 11

### 2 Students

#### 2.1

##### Number of students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
4837	4285	3786	3223	2837
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

#### 2.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
1194	1190	1002	662	684
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		



**2.3****Number of students appeared in the University examination year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
4837	4281	3786	3223	2831
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**2.4****Number of revaluation applications year-wise during the last 5 years**

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

**3 Teachers****3.1****Number of courses in all programs year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
932	831	772	662	525
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

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

2020-21	2019-20	2018-19	2017-18	2016-17
136	155	158	152	136
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**3.3**

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

2020-21	2019-20	2018-19	2017-18	2016-17
198	198	198	152	136
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**4 Institution****4.1****Number of eligible applications received for admissions to all the programs year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
19131	21049	20939	23977	25960
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

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

2020-21	2019-20	2018-19	2017-18	2016-17
808	842	608	594	576
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**4.3****Total number of classrooms and seminar halls****Response: 67****4.4****Total number of computers in the campus for academic purpose****Response: 1104**

## 4.5

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

2020-21	2019-20	2018-19	2017-18	2016-17
3039	3810	2516	4327	4597

NVAAC

## 4. Quality Indicator Framework(QIF)

### Criterion 1 - Curricular Aspects

#### 1.1 Curriculum Design and Development

**1.1.1 Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the Institution.**

**Response:**

For all the programmes offered, the University has well defined procedure for finalizing the

- Vision and Mission of each department
  - Programme outcomes (POs)
  - Programme Specific Outcomes (PSOs)
  - Course Outcomes (COs)
  
  - Board of Studies for different departments includes the Faculty Members of the department, representatives from Academia, Industry, Alumni and students.
  - The Course Outcomes (COs) are drafted by concerned faculty members. This is finalized after rigorous discussion with all faculty members of the department, Alumni, students and members from industry.
  - The Academic Council recommends these inputs to the Board of Management, an apex body of the University, for the approval.
  - Academic council and BoS members ensure that the curriculum of every program has relevance to the local/national/regional/global developmental needs.
  - Facility to upgrade/revise the curriculum is available in each semester so that latest technological advances are incorporated in the curriculum as and when needed.
  - Programmes offered by University: 7 B.Tech., 12 M.Tech., 3 M.Sc., MCA, BBA, MBA, and Ph.D. programmes
  - Students were admitted through Malaviya Entrance Test from 2014 to 2020. Now from session 2021-22 students will be admitted through **JEE for B.Tech. Ist, and UPCET (for other programs except B. Tech. Ist and PhD.)** which is being conducted by National Testing Agency (NTA).
- 
- Since 1962, M. M. M. University of Technology erstwhile MMM. Engineering College adopted the marks-based system for the award of Division to the students.
  - With the reconstitution of College into University from December 1, 2013; new Ordinances based on the **Choice-based Credit system** were adopted from the academic session 2014-2015 onwards.
  - The Grades awarded are based upon Absolute Marks secured by the students in each subject.

Grades are provide a ten scale point.

- Three B.Tech. programmes (CE, CSE & EE), have been **accredited from NBA**, New Delhi, since 2016 (3+3 years) and one B.Tech. programme (ME) has been accredited in 2019 for three years.
- The curriculum and courses of all the UG programmes are designed to fulfil the Graduate Attributes laid down by the NBA, New Delhi under **outcome-based education with explicit POs, PSOs and COs**.
- In Ordinances of UG and PG programmes, the curriculum has been designed with certain total minimum Credits.
- The course structures for various programmes were based upon fixed number of compulsory and elective subjects. The courses are covered through the lectures, tutorials, laboratory classes, seminar, industrial and practical training, project, industrial visits, etc. as prescribed by the University.
- The Grade Card includes the remarks for the average attendance of students and the remarks for General Proficiency which is based upon the performance of students in Discipline/ Games /Sports /Cultural, Academic & Research activities/ Special Lecture & Extra-curricular Events.
- The **NSS, NCC** and **YOGA** inculcate in the minds of students the needs of society and enable them to have a broad outlook on life and lead to holistic development of student's personality.
- **Mandatory industrial training** ensures that students are exposed to the modern requirements of the country in general and local/regional requirements in particular.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Link for Additional information	<a href="#">View Document</a>

### 1.1.2 Percentage of Programmes where syllabus revision was carried out during the last five years.

**Response:** 100

#### 1.1.2.1 How many Programmes were revised out of total number of Programmes offered during the last five years

**Response:** 37

#### 1.1.2.2 Number of all Programmes offered by the institution during the last five years.

**Response:** 37

File Description	Document
Minutes of relevant Academic Council/BOS meeting	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Details of Programme syllabus revision in last 5 years	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

### 1.1.3 Average percentage of courses having focus on employability/ entrepreneurship/ skill development offered by the institution during the last five years

**Response:** 99.08

1.1.3.1 Number of courses having focus on employability/ entrepreneurship/ skill development year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
922	825	766	656	519

File Description	Document
Programme/ Curriculum/ Syllabus of the courses	<a href="#">View Document</a>
MoU's with relevant organizations for these courses, if any	<a href="#">View Document</a>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

## 1.2 Academic Flexibility

**1.2.1 Percentage of new courses introduced of the total number of courses across all programs offered during the last five years.**

**Response:** 50.86

1.2.1.1 How many new courses were introduced within the last five years.

Response: 474

1.2.1.2 Number of courses offered by the institution across all programmes during the last five years.

Response: 932

File Description	Document
Minutes of relevant Academic Council/BOS meeting	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

**1.2.2 Percentage of Programmes in which Choice Based Credit System (CBCS) / elective course system has been implemented (Data for the latest completed academic year).**

Response: 100

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

Response: 37

File Description	Document
Minutes of relevant Academic Council/BOS meetings	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

### 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:

Response:

**The Core Values of University is the concern for**

- Social responsibilities and attention to all national/international issues needing specially technological intervention,
- Recognition of creativity, spirit of learning, innovation and knowledge of human sciences with amalgamation of other leading institutions, alumni and industries who can provide their valuable suggestions.

**Different UG & PG programs incorporate the cross-cutting issues relevant to**

- Gender, Environment and Sustainability
- Human Values and Professional Ethics.

### **The courses focusing on the human values, professional communication & ethics:**

- Technical Writing,
- Professional Communication,
- Communication skills,
- Human Values & Professional Ethics,
- Industrial Psychology,
- Industrial Sociology,
- Behavioural Psychology,
- Industrial Management,
- Knowledge Management,
- Public Administration, etc.

### **Participation in Co-Curricular & Social activities**

- Organization of various sports, cultural & other co-curricular activities and. National festivals.
- Health and Hygiene awareness programs, Medical check-up camps, Blood donation camps, etc.
- Women empowerment, social issue awareness
- Contribution through the forum namely **Social Engineering Board**.
- Awareness among students and society for **COVID-19** vaccination and efforts made to motivate/facilitate for vaccination.
- Commendable work by the University in monitoring the oxygen in the region during the second phase of COVID-19.

### **Environment and Sustainability**

- The various themes included in UG & PG programs are focused upon Environment and Ecology issues, Environmental Impact Assessment, Geo-environmental Engineering, Industrial Pollution Control, Environmental Quality Management, Air and Noise Pollution, Ecology and Eco-development, etc.

### **Activities carried out by N.S.S. Unit**

- Tree plantation, village cleanliness, voters awareness program, blood donation camp, pollution awareness event,
- Organization of Youth day, Sadh-bhawana diwas, Ekta diwas, plastic-free drive,
- Poster competition, invited talks to create awareness about nature, biodiversity, environment and sustainability in the nearby villages.

### **Different activities initiated by the University to save the environment:**

- Cleanliness Campaigns,
- Celebration of World Environment Day,
- Organization of N.S.S. Day
- Initiative in Swachh Bharat Summer Internship (SBSI) Abhiyan
- Green Campus initiative, installation of 550 KW grid-interactive solar power plant.

### **Gender issues and Woman Empowerment**



- Reservation of female candidates in admission as per the Govt. reservation policy.
- Participation of boys and girls together in groups in academic activities.
- Boys and girls together visit various industries.
- Boys and girls together participate and perform in teams in cultural and literary activities.
- Participation by girls in various games and sports activities, co-curricular activities, technical events such as TechSrijan, Udgar, etc.
- Programs on Woman Empowerment, Expert Lectures, International Women's Day by the Woman Grievance Redressal Cell.
- Extension activities by N.S.S in University premises and also adoption of villages.
- Gender issues are focused and addressed through the activities like save girl child campaign, Essay and poster exhibitions, wallpaper presentations, etc.

File Description	Document
Upload the list and description of the courses which address the Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 1.3.2 Number of value-added courses for imparting transferable and life skills offered during last five years.

**Response:** 178

#### 1.3.2.1 How many new value-added courses are added within the last five years.

Response: 178

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Brochure or any other document relating to value added courses	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 1.3.3 Average Percentage of students enrolled in the courses under 1.3.2 above.

**Response:** 70.59

#### 1.3.3.1 Number of students enrolled in value-added courses imparting transferable and life skills offered year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
3328	3287	2735	2502	1633

### 1.3.4 Percentage of students undertaking field projects / research projects / internships (Data for the latest completed academic year).

**Response:** 51.83

#### 1.3.4.1 Number of students undertaking field projects or research projects or internships.

Response: 2507

File Description	Document
List of Programmes and number of students undertaking field projects research projects/ / internships (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 1.4 Feedback System

### 1.4.1 Structured feedback for design and review of syllabus – semester-wise / year-wise is received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni

**Response:** A. All 4 of the above

File Description	Document
URL for stakeholder feedback report	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Action taken report of the University on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	<a href="#">View Document</a>

### 1.4.2 Feedback processes of the institution may be classified as follows:

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

File Description	Document
URL for feedback report	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

NAAC

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1 Demand Ratio (Average of last five years)

**Response:** 15.87

##### 2.1.1.1 Number of seats available year wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
1780	1807	1356	1211	1196

#### File Description

#### Document

Demand Ratio (Average of Last five years) based on Data Template upload the document

[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 (Excluding Supernumerary Seats)

**Response:** 84.19

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

2020-21	2019-20	2018-19	2017-18	2016-17
591	632	539	550	527

#### File Description

#### Document

Average percentage of seats filled against seats reserved (Data Template)

[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:**

Performance of students is assessed by continuous assessment through quiz/minor/viva/major and semester end examinations. The process of identification of slow learners comprises conducting & assessing the performance in discussion, quiz, minor, viva-voce, major etc. The performance in above are the key indicators to categorize students as slow learners and advanced learners in a class. The following are specific effort made for slow and fast learners:

- The slow learners are counselled by concerned faculty to focus more on the curriculum to achieve better in the next assessment tests.
- Special remedial classes for slow learners are conducted to teach them in feasible/graspable manner with all necessary tools, such as models, pictures, animated videos etc.
- Few students are slow because of weak in language i.e. English. Special classes are conducted to improve verbal and written skill/knowledge of these students.
- Whereas fast learners are motivated to participate in various co-curricular, extra-curricular activities. These courses have a lot of impact on increasing the motivational level of students and their learning. The students are encouraged to interact with experts visiting to the institute in courses of concern.
- In addition, foreign language classes like German, French, Chinese are offered to the students in collaboration with reputed organizations/ experts.
- There are many Technical Societies that organize the numerous events in which students participate and small-2 wins boost up their confidence level to focus better on their performance.
- Malaviya Research Conclave is an exclusive annual event. Eminent speakers from India & abroad covering all the disciplines deliver lectures. It is an event in which expert lectures of specific & common topics are organized at one place. Expert visit to all concerned departments, deliver lecture and interact with faculty, PG/Ph.D students. It has lot of impact on students especially fast learners.
- Technical quiz, vad-vivad pratiyogita and other activities organized at university as well as departmental level solely by students, solely by faculty for students and mix-mode organized together enhance the learning and motivation of the students. The University promotes independent learning atmosphere that contributes to their academic and personal growth.

The University offers bridge/add-on courses incorporated in daily time-table as well as before and after classes and during vacations. It includes career advancement courses like GATE classes, value-added courses on proprietary and open-source technologies, Web designing, Programming.

- languages, Robotics, Cloud computing, course on Product Design Cycle and PDP. Such events are frequently joined by fast learners.
- From the very first semester students are provided with special guidance through mentor-mentee concept. They are motivated to perform at their best and work on their innovative ideas as well. University facilitates advanced learners through following initiatives:
  - Financial support to students to carry out innovative projects and present their research papers in reputed Conferences/Journals.
  - Participate in IIT/NIT & other renowned Institutes' tech-fests,sports,games and cultural activities.

Incubation Centre facilitates them with all Technical & financial help

File Description	Document
Upload Any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

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

**Response:** 36:1

File Description	Document
Any additional information	<a href="#">View Document</a>

## 2.3 Teaching- Learning Process

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

**Response:**

**The learning process is made student centric by following measures:**

- The University focus on being a facilitator. The faculty focus more on making students participate by conducting classes in an interactive & student friendly environment, rather than merely spectating.
- The teachers share the topic for discussion beforehand for students to come prepared, and the session is utilized for interaction, analysis, practice, and problem solving related to real life situations.
- Students work on externally funded projects and get opportunity to learn on most recent topics like Drone, IOT etc. They work in groups of 3-4 with objective of solving small-2 modules, get huge exposure & skill development.
- The students are motivated and trained in such a way that they are open to learn throughout their life. They are encouraged for self and lifelong learning by joining certifications offered by NPTEL, Coursera, MIT Open Courseware, Employability Skill Training in emerging Technologies and assessment performed through Certifications: Microsoft, Autodesk, ICT IIT Kanpur Certifications etc.
- University encourages departments to invite domain experts and people of eminence for delivering lectures in their areas of specialization, and future challenges. From time to time, university invites experts from industry, academia, and government organization to hold hands-On-Training, seminars for students and faculties.
- Students are provided 24x7 internet access through leased lines for wired network at ITRC and hostels and Wi-Fi in hostels & whole campus including playgrounds.
- The library is opened 7 days 9:15am-8:30pm regularly and during exams 9:15am-9:00pm not only provide hardbound books but digital section facilitates online access to books and huge learning resources on intranet at any time from anywhere.

- University has the academic calendar which is followed and semester based system with 90 working days for academic classes are in place.
- CBCS system following AICTE/UGC guidelines has been implemented. Credit and grade-based scheme with Innovative Pedagogy is used.
- Most of the classrooms are built with multimedia facilities to effectively adopt and implement ICT in teaching learning process. Faculty use laptops, and smart classroom technology.
- The University pedagogy and Campus Connect Program of TCS Accreditation has resulted in introduction of group discussions, quizzes, role plays, case studies and field visits in the learning process.
- Self-study is promoted amongst students and assessment is done through presentation/seminar/assignments.
- MoU with IITs, IIITs, NITs, NISE, NPTI and various Industries, helps in conduction of invited lectures/training/ internship from academia and industry experts.
- Emphasis is given to cooperative and collaborative learning by providing opportunities to solve the group problems.
- Outdoor industrial visits and field-based experience are provided to the students and faculty members.
- **As an outcome of the improvements in teaching learning process, performance of students is reflected by:**
  - Continuously improving placement in very reputed MNC's and govt/public/private organization with higher packages.
  - Successful performance in competitive examination like GATE, CAT, Engineering Services and Civil Services etc.
  - Publications by students in IEEE, Elsevier, Springer etc high impact Journals/Conferences.
  - Admission in premier National & Foreign Universities (with scholarship).

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 2.3.2 Teachers use ICT enabled tools including online resources for effective teaching and learning process.

#### Response:

The University has excellent IT infrastructure including 24x7 Internet and Wi-Fi facility, Smart Classrooms and well-equipped library with large number of e-resources and Online NPTEL lectures to enable e-learning. The following are few points to elaborate the above:

1. All lecture halls are now smart classrooms well equipped with internet connection, LCD projector and public address system to provide students with ICT enabled audio/video input in the class.
2. Every faculty member is provided Laptop with most recent configuration & printer to take the online and ICT enabled classes and facilitates to deliver lectures using modern & best pedagogy.

3. Classrooms are enabled for streaming academic videos like NPTEL. Besides, faculty members provide Self-prepared Notes, Video, PPTs and other related material through Department and personal website.
4. Faculty also interacts with students through online discussion forums and blogs to provide extended forum of discussion & learning.
5. The university provides latest configuration computing facilities to faculty members along with high-speed Internet connection to take online classes from anywhere.
6. University is also a nodal center for offering online programs of NPTEL, Coursera, Virtual Lab. This center facilitates online programs for teacher/student training supported by AICTE and MHRD.
7. University also has training facility for Free Online Open Software's courses, Spoken Tutorials in collaboration with IIT-Bombay. Spoken Tutorials are being offered to students through this association.
8. Faculty demonstrates concepts through virtual demonstrations using MATLAB or other software like Pro-E, AutoCAD, CATIA, video clips, and Virtual lab from IITK and AKTU, etc.
9. Students have successfully completed open online courses offered by renowned universities i.e. MIT, under the guidance of faculty members.
10. University subscribes to online journals to facilitate research and effective teaching.
11. Open-Source Group at the university is led by a team, headed by a senior professor. University encourages faculty to participate in the courses also that make faculty aware of how to use these resources Example: Some workshops has been conducted with IIT-Bombay to train students in open-source resources.
12. The university encourages faculty for innovative teaching by giving Outstanding Teacher Award based on academic/administrative/social contributions. Further university provides teacher training for developing e-learning methodologies.
13. Unique 10-digit Roll Number based email ID provide them safe and exclusive login to attend their class on licensed version of MS-Team & other communications.
14. Faculty are provided with latest software by the university to prepare computer aided teaching material. The software includes, Windows OS, MS Suite, MS office (word, power point, excel), Matlab, Adobe Acrobat etc.
15. FDPs are organized to enhance the teaching-learning and presentation skills by using advanced multimedia tools and training on how to take online lectures utilizing all the feature for best delivery of content.
16. A large number of e-resources has been subscribed by the University including:
  - Books of Pearson, Wiley, Springers.Publications
  - NDL Library Club form MOE, GOI.
  - Journals of IEEE, ASCC, ASME, ASCE
  - Gyan-Sindhu and Shodh-Sindhu digital Library
  - e-Gate Science and Technology Journals

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide link for webpage describing the " LMS/ Academic management system"	<a href="#">View Document</a>



**2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year )****Response:** 36:1**2.3.3.1 Number of mentors**

Response: 136

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

**2.4 Teacher Profile and Quality****2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years****Response:** 85.35

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	<a href="#">View Document</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**2.4.2 Average percentage of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D’Lit. year-wise during the last five years****Response:** 54.53**2.4.2.1 Number of full time teachers with *Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt.* year wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
90	89	85	80	58

File Description	Document
List of number of full time teachers with Ph D/D M/M Ch/D N B Superspeciality/DSc/D Lit and number of full time teachers for 5 years	<a href="#">View Document</a>

### 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:** 10.52

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

Response: 1431

File Description	Document
List of Teachers including their PAN, designation, dept and experience details	<a href="#">View Document</a>

### 2.4.4 Average percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the last five years

**Response:** 84.8

#### 2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government/Govt. recognized bodies year wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
50	23	27	11	14

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of award letters (scanned or soft copy)	<a href="#">View Document</a>

## 2.5 Evaluation Process and Reforms

### 2.5.1 Average number of days from the date of last semester-end/ year- end examination till the declaration of results year-wise during the last five years

**Response:** 15.4

#### 2.5.1.1 Number of days from the date of last semester-end/ year- end examination till the declaration

**of results year wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
10	6	16	25	20

File Description	Document
List of Programmes and date of last semester and date of declaration of results	<a href="#">View Document</a>

**2.5.2 Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years**

**Response:** 0.01

**2.5.2.1 Number of complaints/grievances about evaluation year wise during the last five years**

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

File Description	Document
Number of complaints and total number of students appeared year wise	<a href="#">View Document</a>

**2.5.3 IT integration and reforms in the examination procedures and processes (continuous internal assessment and end-semester assessment) have brought in considerable improvement in examination management system of the institution**

**Response:**

The university has been continuously carrying out reforms in its examination procedure through integration of IT in all the procedures and processes of the examination system. The reforms have also been implemented in the continuous internal assessments and end semester assessments. Examination procedure has been completely automated. There is a positive impact of reforms on the examination procedures and processes including IT integration and continuous internal assessment on the examination management system.

The following are key points of merits and reforms of the exam section of MMMUT Gorakhpur:

1. The syllabus and Exam Manual is available on the university website.
2. Carryover exam is conducted after Summer Term in Summer vacations

3. The questions are set from specific Unit only. Also, internal tests are reduced from 3 to 2 only in 2018.
4. All the marks are uploaded & can be downloaded through online login protected secure login system. Marks sheets are available online at AMS and easily downloaded by faculty whenever needed/
5. Mark-sheets, Transcripts, Migration/Provisional Certificate. Also all the database is kept with backup.
6. After Covid-19 all the examinations are now conducted in online mode through smart, AI based software that is with proctoring mode both manual as well as AI mode.
7. It is mandatory for faculty to show evaluated answer-script to students. And students sign on the “*I have seen my evaluated answer booklet of Minor/Major Test*” after which only it is assumed that the student is satisfied by the evaluation.
8. The grievances of the students are taken seriously and are resolved quickly.
9. SMS/mail alerts to students about their marks, results, passwords etc. whereas SMS/mail to faculty about their examination duties, copy checking and other related works.
10. One-view display of result is implemented in 2019-20 to provide all the semester result of students at one place. Also since 2020 it is shifted from intranet portals to internet. It is most appreciated by students.
11. Digi locker facility is created for students from 2016-2017 onwards session as digital repository & facilitate tele-verification to employers.
12. All the thesis of research scholars are uploaded on the *Shodhganga* at .
13. There is a quick addressal practice of verification of the studentship of the pass out students requested by the employers.
14. Students are identified by 10-digit unique roll number generated as digital identity of student in database for ever.
15. Students are provided with unique roll number-based email ID through which they can be communicated conveniently.
16. Students are provided through supervisors with unique login ID & account on Turnitin software to check the similarity and avoid plagiarism.
17. All the test papers are submitted by faculty in softcopy to provide the convenient option of formatting, printing & distribution.
18. If any case of unfair mean (UFM) is proved, the students is awarded zero marks in two more subjects of least scored by student.
19. The formats for filling up the marks in hardcopy manually may be downloaded at

File Description	Document
Year wise number of applications, students and revaluation cases	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

#### 2.5.4 Status of automation of Examination division along with approved Examination Manual

**Response:** 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Document
Current manual of examination automation system and Annual reports of examination including the present status of automation	<a href="#">View Document</a>
Current Manual of examination automation system	<a href="#">View Document</a>
Annual reports of examination including the present status of automation	<a href="#">View Document</a>

## 2.6 Student Performance and Learning Outcomes

**2.6.1 The institution has stated learning outcomes (generic and programme specific)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents**

### Response:

MMMUT Gorakhpur is committed to quality technical education to students. It starts with University & Department Vision and Mission which is published on the University website, Admission Brochure, Departments, Labs, Faculty rooms, all notice boards & display boards, Seminar Room. through the information brochure, leaflet, MMMUT Chronicles, Annual Report of the University, magazine/leaflets, and important locations in the campus.

The Course outcomes, Program outcomes and Program Specific Outcomes of all programmes are defined and reflected in the Academic Manual available on the website and hardcopy distributed to faculty as well. These are a set of competencies, skills and abilities that the students develop, along with disciplinary and inter-disciplinary knowledge that they earn during the eight semesters of their stay in the campus of the university. It is ensured that the students develop lifelong learning skills as well. Following issues are taken care of while developing the learning outcomes:

1. At MMMUT, concept of Blooms Taxonomy is deployed in all programs. It plays a vital role in accomplishing and aligning the mission and vision of the University.
2. The Learning outcomes are measurable and stated using active verbs (in accordance to Bloom's taxonomy).
3. They are expressed as complete declarative sentences that clearly describe the knowledge, skills, and competencies the students would acquire by the time they complete their respective programme/ courses.
4. The pedagogy adopted to deliver knowledge is in sync with the learning outcomes to be achieved.
5. The outcomes are assessed and measured to identify the extent to which goals are accomplished.
6. Proper action plans are laid down to identify the gaps that may have accrued after the detailed analysis. Different direct and indirect measurement methods are used to assess the learning outcomes of the students.
7. Programme Handbook and assessment criteria are made available in the library for use of all.
8. Course level outcomes are stated in Manual at the starting only with syllabus.
9. Programme level outcomes are stated in the programme structure and are available online
10. The graduate attributes can be classified under the following 3 domains:

- **Intellectual Development** fosters in-depth domain knowledge, commitment to intellectual openness and developing understanding beyond subject domains. It ensures competence for Research and Innovation, ability to initiate, design, conduct, report and supervise independent and original research leading to innovative solutions.
- **Personal Development** builds inter-personal skills and strong communication skills, to be able to work in a team and to lead a team, time management and acquire networking and collaborative skills as well.
- **Social and Ethical Development** ensures development of skills like resilience; focus, managing people, and self-reliance develop in the learners. It enables to comprehend and respect diversity and encourage inclusion initiatives. The students are able to develop the ability to respect diverse cultural perspectives, demonstrate the Integrity, Honesty, Responsibility and Ethical Behaviour in sync with the mission, vision and the core values along with programme and course outcomes. Alumnus of this university performs well wherever they are working.

File Description	Document
Upload COs for all courses (exemplars from Glossary)	<a href="#">View Document</a>
Paste link for Additional Information	<a href="#">View Document</a>

### 2.6.2 Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution

#### Response:

The structure of curriculum encompasses all possible domains pertaining to Science/Engineering/Management for imbibing the core competency and acceptance in field of respective UG/PG program. The approval of new structure for curriculum, modifications and improvement is well discussed and reviewed by Board of Studies (BOS) consisting of faculties from departments, experts from premier institutions like IITs/NITs, industries and alumnus.

The curriculum comprises of subjects from Basic Sciences and Maths, Engineering Fundamentals, Departmental Core, Departmental and Open Electives and subjects related to Management, human values, multi-disciplinary courses so that student can achieve the complete graduate attributes of respective area. Following is the process used to identify extent of compliance of university curriculum for attaining the POs and PSOs.

#### CO Attainment

1. The method is evaluating the attainment of CO by using student's marks, where the student marks consist of: • Major Exam • Minor Test/Quizzes/TAQ (Continuous Evaluation)
2. The questions of assessment examination (Major and Continuous Evaluation) are mapped with COs of corresponding subjects and percentage contribution of each CO is calculated for both assessments

individually.

3. Further the mark of each individual students forms a key structure in the CO attainment.
4. The weightage average percentage of each CO with marks of each student is mapped to obtain the overall average score of students.
5. Further, the above step is repeated for all students and average is calculated.
6. Finally, the percentage attainment is evaluated by calculating the percentage of value (evaluated in 5) with the average percentage contribution of each PO.
7. The steps from 3-6 is repeated for each COs.
8. Strength of mapping/attainment is defined at three levels:
  - Level 1(<50%): low
  - Level 1(50%-75%): medium
  - Level 3 (>75%) Strong

#### **PO and PSO Attainment**

9. The result of CO attainment will also be used to evaluate the attainment of Programme Outcomes (PO).
10. Each CO will be mapped to PO and PSO (CO-PO-PSO matrix) on the scale of 1-3, where 1 denotes low, 2 denotes medium and 3 denotes for strong mapping.
11. Depending upon the level obtained by each CO (in step 8), the CO-PO-PSO matrix will be modified correspondingly.
12. From the modified CO-PO-PSO matrix, for each PO the percentage of the sum of the mapped to the maximum value of mapped element will results in PO attainment.
13. The steps can be repeated for each PO and PSO.

<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>

#### **2.6.3 Pass Percentage of students(Data for the latest completed academic year)**

**Response:** 100

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 1194

**2.6.3.2 Total number of final year students who appeared for the examination conducted by the Institution.**

Response: 1194

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination	<a href="#">View Document</a>
Paste link for the annual report	<a href="#">View Document</a>

**2.7 Student Satisfaction Survey****2.7.1 Online student satisfaction survey regarding teaching learning process**

Response:

File Description	Document
Upload database of all currently enrolled students	<a href="#">View Document</a>



## Criterion 3 - Research, Innovations and Extension

### 3.1 Promotion of Research and Facilities

**3.1.1 The institution Research facilities are frequently updated and there is well defined policy for promotion of research which is uploaded on the institutional website and implemented**

**Response:**

#### **Policy Summary and Purpose**

This policy provides an overview of the research support available to faculty members and researchers to promote quality research.

#### **Objectives**

1. To establish an administrative structure within the university to support the research
2. To lay down the norms for undertaking research work and facilitate the administrative processes to improve the overall quality of research.
3. To motivate the faculty members/students for cutting-edge research and innovations
4. To support faculty members for undertaking research projects of various funding agencies
5. To encourage faculty members for collaborative and interdisciplinary research projects
6. To inspire the faculty members for sponsored consultancy projects
7. To invigorate the faculty members/students for publication of quality research work
8. To promote joint research work, project work, supervision/publications with premier academic institutions and research organisations.

**Various aspects of Research Promotion Policy are as follows:**

#### **Research Inventiveness**

- The Faculty Members are encouraged to apply for research projects to Government Funding Agencies. Circulars received from various funding agencies are circulated widely to faculty members.
- Collaborative and Inter-Departmental and/or Inter-Institutional research is promoted.
- To enhance the quality research output, student mentorship or internship is facilitated or arranged.
- To encourage post-graduate students to pursue research activities leading to tangible output, contingency fund is given.

#### **Research Administration and Financial Support**

- Overall day-to-day administration of research activities under Ph.D. programmes are coordinated by the Dean Post Graduate Studies and Research & Development.
- Research activity of each Department is co-ordinated by the respective Head / PIs / Co-PIs.
- Financial support is provided to Faculty Members, Research Scholars and PG students for attending conference, STTP, FDP etc.
- Monthly stipend is given to each Research cum teaching fellow till fourth year of his/her PhD program.

- Provide Research Initiation Grant to newly joined faculty members with PhD degree to promote the research and development.
- Contingency grant in academic session is provided to each Research Scholars to facilitate R&D activities like registration fees of National/International Conference within India, travel grant to attend conference, membership fees of professional society, experimental, characterization work and stationery.

### Research Publications

- Faculty members are encouraged to publish their research findings in non-paid peer reviewed SCI/SCImago indexed Journals.
- University has MoUs with various research organizations, academic institutions at National and International levels to support R&D activities.
- Research Scholars are permitted to opt Co-supervisor from foreign universities having MoUs with MMMUT, Gorakhpur.

### Research Ethics

- Faculty/Research Scholars/ Post Graduate Students are expected to adhere to highest ethical standards of conducts.
- Adhering to plagiarism policy is entrusted to the concerned supervisor before submitting the thesis / dissertation / project work / research papers for processing.
- All published or unpublished papers that may form part of a thesis/ dissertation/ project work carried out as a part of course during period of stay at MMMUT, Gorakhpur must follow the Authorship Policy of the University.
- All Synopsis and PhD theses are uploaded on central government portal as per the guidelines of University Grant Commission.

File Description	Document
Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
URL of Policy document on promotion of research uploaded on website	<a href="#">View Document</a>

### 3.1.2 The institution provides seed money to its teachers for research (average per year, INR in Lakhs)

**Response:** 16.94

#### 3.1.2.1 The amount of seed money provided by institution to its faculty year-wise during the last five years (INR in lakhs).

2020-21	2019-20	2018-19	2017-18	2016-17
56.6838	0	28	0	0

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.1.3 Percentage of teachers receiving national / international fellowship / financial support by various agencies for advanced studies / research during the last five years.

Response: 7.87

#### 3.1.3.1 The number of teachers who received national / international fellowship / financial support by various agencies for advanced studies / research year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
16	17	16	4	5

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of the award letters of the teachers	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.1.4 Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the last five years.

Response: 124

#### 3.1.4.1 The Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows enrolled in the institution year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
33	29	36	19	7

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.1.5 Institution has the following facilities to support research

1. Central Instrumentation Centre
2. Animal House/Green House
3. Museum
4. Media laboratory/Studios
5. Business Lab
6. Research/Statistical Databases
7. Mootcourt
8. Theatre
9. Art Gallery

Response: A. 4 or more of the above

File Description	Document
Upload the list of facilities provided by the university and their year of establishment	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>

### 3.1.6 Percentage of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies (Data for the latest completed academic year)

Response: 90.91

#### 3.1.6.1 The Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other similar recognitions by national and international agencies.

Response: 10

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-version of departmental recognition award letters	<a href="#">View Document</a>

## 3.2 Resource Mobilization for Research

### 3.2.1 Extramural funding for Research (Grants sponsored by the non-government sources such as

**industry, corporate houses, international bodies for research projects) endowments, Chairs in the University during the last five years (INR in Lakhs).**

**Response:** 25.35

**3.2.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years (INR in Lakhs).**

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	25.35	0

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of the grant award letters for research projects sponsored by non-government	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.2.2 Grants for research projects sponsored by the government agencies during the last five years (INR in Lakhs).**

**Response:** 755.42

**3.2.2.1 Total Grants for research projects sponsored by the government agencies year-wise during the last five years (INR in Lakhs).**

2020-21	2019-20	2018-19	2017-18	2016-17
114.64	397.3	150.34	41.77	51.37

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of the grant award letters for research projects sponsored by government	<a href="#">View Document</a>

**3.2.3 Number of research projects per teacher funded by government and non-government agencies during the last five years**

**Response:** 0.35

**3.2.3.1 Number of research projects funded by government and non-government agencies during the last five years.**

Response: 52

**3.2.3.2 Number of full time teachers worked in the institution year-wise during the last five years..**

Response: 737

File Description	Document
Supporting document from Funding Agency	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Paste Link for the funding agency website	<a href="#">View Document</a>

**3.3 Innovation Ecosystem****3.3.1 Institution has created an eco system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge.****Response:****Institution has created an eco-system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge**

The academic and research expertise of the University continually contributes to the innovation ecosystem through breakthrough solutions for solving critical problems, improving lives, and creating jobs. Students & Faculty at the Institute are motivated to translate their skills into technological innovation relevant to society's welfare.

**Design, Innovation & Incubation Centre (DIIC)**

The “Design, Innovation & Incubation Centre (DIIC)” at the Madan Mohan Malviya University of Technology, Gorakhpur, aims to foster design, innovation, research, and entrepreneurial activities in technology-based areas in the state of Uttar Pradesh. The main motive of DIIC is to serve society as a center of higher learning, providing long-term societal benefits through transmitting advanced knowledge, discovering new knowledge, and functioning as an active working repository of organized knowledge; to take a leadership role by providing need-based programs in engineering and technology, applied sciences, management, humanities, architecture, pharmacy, retail, and fashion design, mass-communication, agriculture and other employable courses in emerging areas.

The Vision is to facilitate and promote studies, research, technology incubation, product innovation, and extension work in Science, Technology, and Management Education and achieve excellence in higher technical education.

Policy Advisors, Corporate Leaders, and Academicians are working continuously to help in generating a meaningful dialogue between the students and faculty of our University. It was a staunch platform to nurture the engineering minds towards research, innovation, and entrepreneurship, which intends to bring the integrity of the faculty & students towards both industries and academia to redress the academic research challenges, concerns of the entire student community, and upcoming entrepreneurs around the country.

### **Inter-Institute collaboration**

An interdisciplinary collaboration between Applied Sciences, Civil Engineering, and Mechanical Engineering disciplines of the University is working towards the development of green nanomaterials and structural-based composites as a structural material. We have an exclusive incubation space in the field of Composite design facility, IoT/ Drone Technology, and Education. There are well-equipped labs and working space for Innovators who require a pre-incubation facility.

### **Initiative towards creation and transfer of knowledge:**

A series of Entrepreneurship Awareness Drive (EAD) and Entrepreneurship Development Program (EDP), with the objective of mentoring and teaching young entrepreneurs the basics and helps them to reduce the timeframe for their product/ services to market in an effective way. Interaction with Mentors, industry experts, policymakers, investors, and successful **entrepreneurs, is organized.**

Apart from the above, these Malaviya Research Conclave adds a favorable environment in the development of science and technology in the modern era. Also, essential activities performed by students in Central Workshop and regular classes help develop the morale of the students and skill developments in accordance with the current need of the industries. University has also established center of excellence (supported by Texas instruments) Semiconductor-lab having high level of research facilities to enhance the capability of students and teachers. ITRC is also having all types of computational facilities for 24x7 available to students and research scholars of the institute.

<b>File Description</b>	<b>Document</b>
Paste link for additional information	<a href="#">View Document</a>

### **3.3.2 Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development during the last five years.**

**Response:** 608

#### **3.3.2.1 Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year-wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
187	215	169	14	23

File Description	Document
Report of the event	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

### 3.3.3 Number of awards / recognitions received for research/innovations by the institution / teachers / research scholars / students during the last five years.

**Response:** 306

#### 3.3.3.1 Total number of awards / recognitions received for *research* / innovations won by institution / teachers / research scholars / students year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
74	97	28	22	85

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e- copies of award letters	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 3.4 Research Publications and Awards

**3.4.1 The Institution ensures implementation of its stated Code of Ethics for research through the following: 1. Inclusion of research ethics in the research methodology course work 2. Presence of Ethics committee 3. Plagiarism check through software 4. Research Advisory Committee**

**Response:** A. All of the above

File Description	Document
Code of ethics for Research document, Research Advisory committee and ethics committee constitution and list of members on these committees, software used for Plagiarism check, link to Website	<a href="#">View Document</a>

**3.4.2 The institution provides incentives to teachers who receive state, national and international recognitions/awards 1. Commendation and monetary incentive at a University function 2. Commendation and medal at a University function 3. Certificate of honor 4. Announcement in the Newsletter / website**



**Response:** A.. All of the above

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e- copies of the letters of awards	<a href="#">View Document</a>

### 3.4.3 Number of Patents published / awarded during the last five years.

**Response:** 29

#### 3.4.3.1 Total number of Patents published / awarded year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
11	7	5	4	2

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.4.4 Number of Ph.D's awarded per teacher during the last five years.

**Response:** 0.34

#### 3.4.4.1 How many Ph.D's are awarded within last five years.

**Response:** 27

#### 3.4.4.2 Number of teachers recognized as guides during the last five years

**Response:** 80

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
URL to the research page on HEI web site	<a href="#">View Document</a>

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

**Response:** 7.58

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

2020-21	2019-20	2018-19	2017-18	2016-17
206	246	209	189	267

**File Description****Document**

Institutional data in prescribed format

[View Document](#)**3.4.6 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:** 9.97**3.4.6.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
228	274	200	337	431

**File Description****Document**

Institutional data in prescribed format

[View Document](#)**3.4.7 E-content is developed by teachers :**

1. For e-PG-Pathshala
2. For CEC (Under Graduate)
3. For SWAYAM
4. For other MOOCs platform
5. For NPTEL/NMEICT/any other Government Initiatives
6. For Institutional LMS

**Response:** D. Any 2 of the above

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Give links or upload document of e-content developed	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 3.4.8 Bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed

##### Response:

File Description	Document
Bibliometrics of the publications during the last five years	<a href="#">View Document</a>

#### 3.4.9 Bibliometrics of the publications during the last five years based on Scopus/ Web of Science - h-index of the Institution

##### Response:

File Description	Document
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View Document</a>

### 3.5 Consultancy

#### 3.5.1 Institution has a policy on consultancy including revenue sharing between the institution and the individual and encourages its faculty to undertake consultancy.

##### Response:

Madan Mohan Malaviya University of Technology (MMMUT), Gorakhpur is continuously engaged in encouraging the research and consultancy works along with the strong academic activities. Research and consultancy activities enhance the infrastructure and generate the revenue for the development of the University. All the members of the academic staff of the University are encouraged to engage themselves in research and consultancy services to such an extent that it does not interfere with the discharge of their academic duties. Attempts is also made to involve the research/ post graduate students in such works. The technical staff of the University having Ph.D degree and expertise in the related field are be permitted to undertake consultancy job as co-investigator. All consultancies, whether carried out by an individual or a group of faculty members irrespective of the quantum of facilities of the University availed are considered as University Consultancy. There are two types of consultancy categories: (i) Category I (Testing Work with Lab) (ii) Category II (Consultancy Work with/without Lab Work). In the first category, the share of the University is 50% whereas in the second category, the share of the University is 25% and other share is

75%. If the total earning of a faculty/staff from consultancy and testing including all categories exceeds 75% of his/her gross annual salary, then, in the new project where that faculty is involved, 50% of the amount will be the University share and remaining 50% will be distributed among Principal Investigators, Department development fund and department pool fund and departmental Welfare fund.

Individuals or Departments will take up consultancy work only after taking approval of the Vice Chancellor on the prescribed format. The report of all types of Testing and Consultancy Projects is prepared in triplicate and signed by Investigators and counter signed by the Head of the Department who shall keep the departmental copy. PI has to a copy to the concerned Client and keep a copy for the record.

Provision for outside investigators is to be normally discouraged. If necessary, a provision of outside investigator is made at the time of acceptance/approval of the project after obtaining approval from the Dean, R&C or R &C Management Committee.

The consultancy involves, but not limited to, (a) Visit to actual sites of workplace of organization, Institutions, Industries, entrepreneurs, and other external agencies to assess the nature and magnitude of the problem faced and technical services required (b) Rendering expert advice and /or services in terms of materials, design, process, product, project, fabrication, investigation, expert opinion, remedial measures etc. (c) Surveying of land, traffic, infrastructure, market, plant and machinery, techno-economic feasibility, damages, environment, pollutants, wastes etc

File Description	Document
Upload soft copy of the Consultancy Policy	<a href="#">View Document</a>
Upload minutes of the Governing Council/ Syndicate/Board of Management related to consultancy policy	<a href="#">View Document</a>
Paste URL of the consultancy policy document	<a href="#">View Document</a>

### 3.5.2 Revenue generated from consultancy and corporate training during the last five years (INR in Lakhs).

**Response:** 348.85

#### 3.5.2.1 Total amount generated from consultancy and corporate training year-wise during the last five years (INR in lakhs).

2020-21	2019-20	2018-19	2017-18	2016-17
141.21	90.96	40.70	40.91	35.07

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Audited statements of accounts indicating the revenue generated through consultancy	<a href="#">View Document</a>

### 3.6 Extension Activities

#### 3.6.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years.

##### Response:

The Core Values of University is the concern for social responsibilities and attention to all national/international issues needing technological intervention, recognition of creativity and intellectual excellence, the spirit of learning, innovation, and knowledge of human sciences with the amalgamation of other leading institutions, alumni and industries who can provide their valuable suggestions regarding the same. Different UG & PG programs have been incorporated for the cross-cutting issues relevant to Gender, Environment and Sustainability, Human Values, and Professional Ethics in the curriculum through the following activities of NSS, NCC & Women Cell. The coordinators of mentioned cells throw light on the core values and ethos of the university. Through extension and outreach programs and value-based classes, the university inculcates civic engagement in students' young minds so that they grow into sensitized, socially conscious people. Via NCC, NSS, Master of Social Work Department, Women Cell, Swachhatha Abhiyan, etc., the university conducts neighborhood group activities.

##### *The essential activities include:*

The N.S.S. units host activities such as tree plantation, village cleanliness, voters awareness program, blood donation camp, pollution awareness event, youth day, sadhbhawana diwas, Ekta diwas, plastic-free drive, various event of the poster competition, invited talks to create awareness about nature, biodiversity, environment, and sustainability in the nearby villages during the special camps.

Celebration of Women's Day, World AIDS Day, Environment Day, International Child Right's Day, International World Youth Day, etc.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 3.6.2 Number of awards received by the Institution, its teachers and students from Government /Government recognised bodies in recognition of the extension activities carried out during the last five years

**Response: 60****3.6.2.1 Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
9	10	27	3	11

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copy of the award letters	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.6.3 Number of extension and outreach programs conducted by the institution including those through NSS/NCC/Red cross/YRC 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: 305****3.6.3.1 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc. ( including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs) year-wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
65	81	62	55	42

File Description	Document
Reports of the event organized	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.6.4 Average percentage of students participating in extension activities listed at 3.6.3 above during the last five years****Response: 94.88**

**3.6.4.1 Total number of students participating in extension activities listed at 3.6.3 above year-wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
4257	4129	3673	3160	2694

File Description	Document
Report of the event	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.7 Collaboration****3.7.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year****Response:** 63.6**3.7.1.1 Total number of Collaborative activities with other institutions / research establishment / industry for research and academic development of faculty and students year-wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
128	95	52	27	16

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Copies of collaboration	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.7.2 Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.****Response:** 81**3.7.2.1 Number of functional MoUs with institutions/ industries in India and abroad for internship,**

**on-the-job training, project work, student / faculty exchange and collaborative research year-wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
31	26	13	7	4

<b>File Description</b>	<b>Document</b>
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of the MoUs with institution/ industry	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>



## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

**4.1.1 The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc.**

**Response:**

Madan Mohan Malaviya University of Technology, Gorakhpur has been established in the year 2013 by the Government of Uttar Pradesh in the form of a non-affiliating, teaching and research University after reconstituting the Madan Mohan Malaviya Engineering College, Gorakhpur which was established in 1962. The University offers eight undergraduate programs in the disciplines of Civil, Chemical, Electrical, Mechanical, Electronics & Communication Engg, Computer Science & Engg., Information Technology, and Management along with seventeen postgraduate programs in various specializations and also provides facilities for the Doctoral programs in all the 11 academic departments.

The campus is spread over 338.52 acres of land which facilitates excellent infrastructure for teaching learning process, career progression and higher education.

S.No.	Description	Quantity
1	Administrative block	1 + 1 (Under Construction)
2	Academic Blocks	14 (Each departments have separate block lecture complex)
3	Classrooms	57
4	Seminar hall in each department	10
5	Laboratories	68
6	IIRC with Conference Hall	01
7	Language lab	02
8	Computational lab	07
9	Academic Section	01
10	Conference/meeting Hall	03
11	Central library	01
12	NCC wing	01
13	Day scholar's club	01
14	Training and Placement Cell	01
15	Examination Section	01
16	Admission cell	01
17	Design, Innovation & Incubation Centre (DIIC)	01
18	Sports complex with indoor stadium	01
19	Hostel (Boys)	07
20	Hostel (Girls)	04

**Classrooms:** The University has three lecture complex named as **Nalanda Lecture Complex, Takshila Lecture Complex, Pushpagiri Lecture Complex**. There are **57** number of ventilated, spacious classrooms, which are used for conducting theory and tutorial classes. Maximum classrooms are equipped with LCD projector for better teaching learning. All the rooms are equipped with ICT facilities. In addition

to above classrooms there are 10 seminar halls in different departments with ICT facilities.

**Computing equipment:** Every department has computational lab equipped with latest computational software. The research scholars and faculty are using these computational facilities for their research work.

**Multipurpose Hall:** The University has a multipurpose hall which is fully air-conditioned with 800 seating capacity. In addition, there is a balcony in MPH. It is used to organize convocation, cultural events, and yoga etc.

**Auditorium:** A fully air-conditioned Auditorium of 2000 seating capacity is under construction.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

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

##### Response:

**Cultural activities-:** University has a fully air-conditioned 'Multi-Purpose Hall' (MPH) of 51 x 20 meters with seating capacity of 800 persons. In addition, The MPH has a 40 x 30 feet stage, two greenrooms, and a robust PA/ audio-visual presentation system.

University also has a Cultural Ground near the Civil Engineering Department to host open air/outdoor functions with seating capacity of 1000 persons at a time and a 40 x 30 feet stage.

**Games-:** University has a brand-new, state-of-the-art sports stadium named 'Shaheed Bandhu Singh Stadium'. The stadium was inaugurated by Hon'ble Chief Minister of Uttar Pradesh Shri Yogi Adityanath and has been named after the famous revolutionary of First War of Indian Independence Late Shri Bandhu Singh. Sprawling into 12 acres of land, the stadium has both outdoor as well as indoor facilities.

Sl. No.	Facility Outdoor	Year of establishment	Measurement	User rate
1.	Two Football Ground	1985, 2019	110 x 90 m 110 x 65 m	Accessible to all staff, faculties all t
2.	One Hockey Ground	2019	92 x 55 m	
3.	One Tennis Court	1987	Total area along	

			with court 27 x 15 m	
4.	One Skating Court	2016	51.65 x 21.15m	
5.	One Basket ball Court	1987	Total area along with court 23 x 32 m	
6.	Three Volley Ball Court (Tagore hostel, Sarojini Hostel, Saraswati Hostel)	2011	18 x 09 m (each)	
7.	Seven Badminton courts (Tilak Hostel, Ramanujam Hostel, VS Hostel, Tagore Hostel, Ambedker Hostel, Saraswati Hostel, Sarojini Bhawan)	2009	13.40 x 6.15 m (each)	
8.	400 mts Athletics Track Along with Cricket Ground	2019	Total area 200 x 135 m	
9.	Two Kabaddi Courts	2007	13 x 10 m (each)	
<b>Sl. No.</b>	<b>Facility Indoor</b>	<b>Year of establishment</b>	<b>Measurement</b>	<b>User rate</b>
1.	Indoor hall with facility of Two Basketball Courts	2019	28.70 x 15.25m (each)	Accessible to all staff, faculties all t
2.	Two Badminton Courts at multipurpose hall	2008	13.40 x 6.15 m (each)	
3.	One Hall is used for Games like Billiards, Chess, Carrom available at Multi-Purpose Hall	2008	20 x 06 m	
4.	Common Hall Available at all 11 hostels with facility of Carrom, Chess, 8 hostels having facility of Table Tennis		Average measurement of all common halls	
	Subhash Bhawan (455)	1965	12 x 10 mts	
	Raman Bhawan (500)	1968		
	V S Bhawan (320)	1987		
	Tagore Bhawan (240)	1989		
	Saraswati Bhawan (266)	1990		
	Sarojini Bhawan (140)	2007		
	Kalpna Bhawan (144)	2010		
	Tilak Bhawan (152)	2013		
	Ambedkar Bhawan (230)	2018		
	Ramanujam Bhawan (324)	2020		
	Kasturba Bhawan (140)	2020		

**1. Gymnasium :-**

For Boys: It is available at Shaheed Bandhu Singh Stadium.

For Girls: Kasturba Bhawan and Saraswati Bhawan common hall.

**2. Yoga centre-:** Multipurpose Hall (MPH) is used for Yoga Activities.

### 3. Auditorium

**4. any others-:** Spectators sitting area (Pavilion) is also available at university stadium with the sitting capacity of 300 person at a time.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Geotagged pictures	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 4.1.3 Availability of general campus facilities and overall ambience

##### Response:

##### Information Technology Resource Centre (ITRC)

The university has an Information Technology Resource Centre (ITRC), which was established in 2005 under World Bank programme (TEQIP-I). The objective of the centre is to provide the central computing resources under one roof to students, faculty and staff with a vision to support and strengthen the teaching-learning process and research. The local area network spread in entire campus is being managed from this centre. It remains open for 24 hours and is equipped with advanced computer networking hardware and software tools. It provides uninterrupted high speed internet connectivity to the entire campus with two leased line connections- 1 Gbps (1:1) NKN and 155 Mbps (1:1) BSNL leased lines. It provides internet connectivity through OFC (of about 5 kms) to academic/admin buildings, labs, hostels and faculty/staff cabins and residences thus covering entire campus.

##### Central Workshop

Workshop is a central facility where undergraduate students of university fabricate their jobs in practical classes and final year project as per university curriculum. Central workshop has following shops:

- Carpentry & Pattern Making Shop
- Machine Shop
- Fitting Shop
- Sheet Metal Shop
- Black Smithy Shop
- Welding Shop
- Foundry Shop

## Central Library

The university has a central library, which operates on open access system. Students and staff members are given free access from 9:15 AM to 8:30 PM (Mon-Fri), 10:00 AM to 5:00 PM (Saturday & Sunday) to the books and journals, which are kept on open shelves. During examination library timing is extended upto 9:00 PM. It contains enough books and periodicals on scientific, technical, and other subjects. It has an air-conditioned reading hall of 400 capacities. It has fully automated issue and return of books. OPAC (Online Public Access Catalogue) is available for 24X7 on Intranet. Library has old International Journals in bound form of period during 1904 to 1999.

## Design, Innovation and Incubation Centre (DIIC)

The university has a Design, Innovation & Incubation Centre (DIIC), which aims to foster design, innovation, research, and entrepreneurial activities in technology-based areas in the state of Uttar Pradesh established in 2015.

## University Health Centre

The University Health Centre is opened 24 hours. There are two MBBS Doctors (one Male & one Female) and one homeopathic doctor, two nursing staff and one physiotherapist. The Medical Officers and dispensary staff are available round the clock. Ambulance facility is also available in the University and can be availed by a student or any patient on recommendation of the medical officer or concerned Hostel Warden.

## Other Facilities

- Post Office
- University Guest House
- Multi-Purpose Hall (MPH)
- SBI Bank & ATM
- **Canteen Services**
  - University Cafeteria (Fully Air-conditioned)
  - Hostel Canteen
  - Coffee Café Day (CCD)
  - Milk Parlour
- **Transport Services**
  - Four University Buses
  - One Minibus (TATA Winger-AC)
  - One Ambulance
  - Four Staff Cars
  - Two E- rickshaws for campus movement
- **Other Services:**
  - Stationary shop

- Barber shop

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

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

**Response:** 65.33

##### 4.1.4.1 Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
1655	2454	1346	3368	3515

File Description	Document
Upload audited utilization statements	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

### 4.2.1 Library is automated using Integrated Library Management System (ILMS) and has digitisation facility

**Response:**

**Name of the ILMS software:** SOFTGRANTH

**Nature of automation (fully or partially):** Fully

**Version:** Barcode Version

**Year of automation:** 2010

Central library has a wide collection of books and periodicals on scientific, technical and allied subjects. It operates on open access system and students are given free access to books and journals that are kept on

open shelves. Total carpet area of library is 1779.426 sq. meter. Total number of books including bound journals (year 1904 to 1996) and ISI Code is 1,16,600 (One lakh sixteen thousand six hundred). The Library recognizes the importance of functioning in a thoroughly professional way taking into consideration the interests of all departments. The Library Committee consists of at least one faculty and the Librarian as Secretary of the Committee. The Committee has representatives from each department for one academic term or more. These faculty representatives report back to their respective departments on all the issues discussed, funds allocated, new journals to subscribe and also suggest books to be included for purchase. The faculty members of the committee also play an important role in coordinating the Library Orientation for the new entrants. This enables the Librarian and the Library staff to meet new student batches and introduce them procedure of accessing the books on the shelves as well as available online recourses. The Library Committee takes the lead incepting strategic directions for all aspects of the Library services and operations. The Library Committee pays attention to the needs and intellectual aspirations of the students who are enabled by this valuable resource towards maintaining world class academic standards.

The Library is housed in the center of the University with fully air conditioned 400 seating capacity for reading. Library has a separate Air-conditioned E-Library cum reading room. Library is fully automated with all its subsystems like LAN connectivity and Wi-Fi.

Library Management Software system is incorporated with latest technologies that enables Library to serve its users more efficiently. The Library has a wide collection of Books, Journals, Audio-video materials, News Papers, Rare books, M.Tech Dissertations & Ph. D Thesis, e-resources (e-books & e-journals) etc.

Barcode online circulation system is in practice in the Library. The availability OPAC has resulted in the easy access of information from any computer within the campus on subject/ author-wise book, account information like books borrowed and due date to return, penalty to be paid, if not returned in time, and so on. Photocopy facility is also available for students. The library has Gyan Sindhu Digital Library which is accessed through MyLoft Mobile App at any time from anywhere. MyLoft empowers patrons to Discover, Access, Organize and Share e-content of their personal and professional interests seamlessly across mobile and web platforms using a Mobile App, Web App and Browser extension.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 4.2.2 Institution has access to the following: 1. e-journals 2. e-ShodhSindhu 3. Shodhganga Membership 4. e-books 5. Databases 6. Remote access to e-resources

**Response:** A. Any 4 or more of the above

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

**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:** 28.63

4.2.3.1 Annual expenditure for the purchase of books and journals including e-journals year-wise during last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
23.57	39.99	11.89	6.87	60.83

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**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:** 6.64

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

Response: 330

File Description	Document
Details of library usage by teachers and students (Library accession register, online accession details to be provided as supporting documents)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**4.3 IT Infrastructure****4.3.1 Percentage of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities. (Data for the latest completed academic year)****Response:** 100

4.3.1.1 Number of classrooms and seminar halls with ICT facilities



Response: 67

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 4.3.2 Institution has an IT policy, makes appropriate budgetary provision and updates its IT facilities including Wi-Fi facility

##### Response:

University IT policy exists to maintain, secure, and ensure legal and appropriate use of Information technology infrastructure established in the University campus. This policy establishes University-wide strategies and responsibilities for protecting the Confidentiality, Integrity, and Availability of the information assets that are accessed, created, managed, and/or controlled by the University.

Digital Information assets addressed by the policy include data, information systems, computers, network devices, intellectual property as well as documents & verbally communicated information. Realizing the significance of Digital and Internet Services, University has established basic network/internet infrastructure in the University as Intranet & Internet services which are most important resources in educational institutions & research organizations.

Information & Technology Resource Centre (ITRC) provides facilities to support and enhance the educational mission of the University; for enriching the educational experience of the students, faculty & staff members and supporting their research and academic activities; and for providing automation support to the University. This facility is needed for day-to-day academic as well as official activities.

A user account for both e-mail id and Internet user id are created for every individual (Students/Faculty/Staff members) of the University. The account allows them to browse the web, send and receive e-mail, use the computational and interactive facilities. Hence, it is expected that every user must use the services in a responsible manner. The user conduct & use should be tempered with the propriety and a spirit that respects the right of everyone. Any abuse of the facility may have serious implications on the reputation and the standing of the University as well as can bring the facility of the University into disrepute. Hence misuse of the facility is not tolerated.

The total recurring expenditure in nearly 48.56 Lacs per year and non-recurring expenditure is around 967.0 Lacs.

An undertaking Application Form for Campus Network Services, Usage Agreements, Net Access Id allocated for Students/Faculty/Staff members and Requisition Form for e-mail account for Students/Faculty/Staff members are filled by every individual who is stake holder of the university.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

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

Response: 4:1

File Description	Document
Student – computer ratio	<a href="#">View Document</a>

#### 4.3.4 Available bandwidth of internet connection in the Institution (Leased line)

Response: A. ?1 GBPS

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Details of available bandwidth of internet connection in the Institution	<a href="#">View Document</a>

#### 4.3.5 Institution has the following Facilities for e-content development

1. Media centre
2. Audio visual centre
3. Lecture Capturing System(LCS)
4. Mixing equipments and softwares for editing

Response: B. 3 of the above

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Links of photographs	<a href="#">View Document</a>

## 4.4 Maintenance of Campus Infrastructure

4.4.1 Average percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the last five years

**Response:** 34.67**4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year-wise during the last five years (INR in lakhs)**

2020-21	2019-20	2018-19	2017-18	2016-17
1384	1356	1170	959	1082

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>

**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:**

The University has a systematic mechanism for maintaining and utilizing physical, academic and support facilities like laboratory, library, sports complex, computers, and classrooms. Some of them are maintained by an Annual Maintenance Contract (AMC) given to concerned agencies and the others are maintained by the maintenance section of the University consisting of skilled staff members working under the supervision of AE and JE (Civil) and JE (Electrical). All civil and electrical maintenance are done as per the state government rules.

**Laboratory Utilization and Maintenance Policy:**

All the laboratories are spacious and the equipments are well maintained. Do's and Don'ts/safety precautions are displayed in almost every laboratory. All equipments in the laboratories are marked with unique identification and records of the same are maintained by the Laboratory staffs. All necessary software and hardware are available in the Laboratory for the students. In-house minor servicing of the laboratory instruments is done regularly by the concerned Laboratory technical staff and the major repair of the equipments are outsourced by following the procedure of the University. Consumables are purchased for the laboratory by the Department well in advance by following the rules and regulations of the University. Lab assistant and Lab attendants are trained for different lab related works in the Laboratory. All electrical wirings and grounding are done as per the norms. Fire extinguishers are provided in almost every lab and department for the safety of students and lab staff members. Repairs and maintenance requisites are submitted regularly by the HODs of the concerned department to the concerned maintenance section such as repair and maintenance section (Civil Maintenance/ Electrical Maintenance) for electrical/ civil repair work.

**Library Utilization and Maintenance Policy:**

The Library recognizes the importance of functioning in a thoroughly professional way taking into consideration the interests of all departments. The Library Committee consists of at least one faculty from each Department. The faculty members of the committee play an important role in coordinating the Library Orientation for the new entrants. This enables the Librarian and the Library staff members to meet student batches and introduce them to the easy means of accessing the books on the shelves as well as available online recourses. The Library Committee meets regularly to engage with all the issues related to student requirements from the Library as resource, and endeavours to prioritize funds judiciously in order to make the process and operations of the Library student friendly. Library is fully automated with all its subsystems like LAN and Wi-Fi connectivity. Library Management Software system is incorporated with latest technologies that enables Library to serve its users more efficiently. The Library has a wide collection of Books, Journals, Audio-video materials, photocopying facility, News Papers, Rare books, e-resources etc. Barcode online circulation system is in practice in the Library. The availability OPAC has resulted in the easy access of information from any computer within the campus on subject/ author-wise book, account information like books borrowed and due date to return, penalty to be paid, if not returned in time, and so on. It also facilitates retrieval of information.

The civil and electrical maintenance work is done by construction section of University. LAN, Wi-Fi related issues are resolved by ITRC staff.

#### **Sports Complex Utilization and Maintenance Policy:**

The sports facilities of the University are utilized as per the Sports & Curriculum activities calendar prepared by the Chairman of Council of Students Activities and Physical Training Instructor which are approved by the Academic Council and BOM. A stock register and an issue register are maintained to ensure the proper handling of the sports items. Regular maintenance of the playground and sports complex is conducted under the supervision of the chairman of CSA of the University.

#### **IT Utilization and Maintenance Policy**

University IT policy exists to maintain, secure, and ensure legal and appropriate use of Information technology infrastructure established in the University campus. This policy establishes University-wide strategies and responsibilities for protecting the confidentiality, integrity and availability of the information assets that are accessed, created, managed, and/or controlled by the University.

Digital Information assets addressed by the policy include data, information systems, computers, network devices, intellectual property, as well as documents and verbally communicated information. Realizing the significance of Digital and Internet Services, University has established the basic network/internet infrastructure in the University as Intranet & Internet services. Information & Technology Resource Centre (ITRC) provides facilities to support and enhance the educational mission of the University; for enriching the educational experience of the students, faculty and the staff and supporting their research and academic activities; and for providing automation support to the institute. An undertaking application form for Campus Network Services, Usage Agreements, Net Access ID Allocation for Faculty/Staff and Students, Requisition Form for e-mail account for Employees and Students are filled by every individual who is stake holder of the university.

#### **Classrooms Utilization and Maintenance Policy:**

The University has enough classrooms for routine classes. Classes are utilized by different departments in

which lecture halls are allocated through the timetable on sharing basis for lecture and tutorial. All the classes are well maintained and are spacious. Majority of the classrooms are having ICT facility. The maintenance of the furniture and other civil repair work of the classroom is done as per the requirement through the concerned maintenance department of the University. Internal cleaning of all the Classes is done every day. The university has separate maintenance contract for the cleaning of classrooms by the outsource agency. Classrooms and Seminar Halls are regularly cleaned and maintained by service and housekeeping staffs. Dustbins are kept at various places near the classrooms. The Campus Cleaning i/c looks after the cleaning of all the classrooms, seminar halls, etc of the University. The maintenance team looks after the regular maintenance of civil/electrical repair works of the classrooms. The Teaching aids such as LCD Projectors, PA Systems, Desktops, Wi-Fi etc. are maintained by ITRC staff.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

## 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 institution, Government and non-government agencies (NGOs) during the last five years (other than the students receiving scholarships under the government schemes for reserved categories).**

**Response:** 24.74

**5.1.1.1 Number of students benefited by scholarships and freeships provided by the institution, Government and non-government agencies (NGOs) year wise during the last five years (other than the students receiving scholarships under the government schemes for reserved categories).**

2020-21	2019-20	2018-19	2017-18	2016-17
1144	1068	929	831	704

File Description	Document
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**5.1.2 Average percentage of students benefited by career counseling and guidance for competitive examinations offered by the Institution during the last five years.**

**Response:** 66.22

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

2020-21	2019-20	2018-19	2017-18	2016-17
4118	3725	2605	1910	878

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**5.1.3 Following Capacity development and skills enhancement activities are organised for improving students capability 1. Soft skills 2. Language and communication skills 3. Life skills (Yoga, physical fitness, health and hygiene) 4. Awareness of trends in technology**

**Response:** A. All of the above

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link to Institutional website	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**5.1.4 The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases 1. Implementation of guidelines of statutory/regulatory bodies 2. Organisation wide awareness and undertakings on policies with zero tolerance 3. Mechanisms for submission of online/offline students' grievances 4. Timely redressal of the grievances through appropriate committees**

**Response:** A. All of the above

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View Document</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 5.2 Student Progression

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

**Response:** 62.76

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

2020-21	2019-20	2018-19	2017-18	2016-17
237	240	255	160	51

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

2020-21	2019-20	2018-19	2017-18	2016-17
302	368	529	292	76

File Description	Document
Upload supporting data for the same	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

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

**Response:** 18.94

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

2020-21	2019-20	2018-19	2017-18	2016-17
257	248	116	146	128

File Description	Document
Self attested list of students placed	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>



**5.2.3 Percentage of student progression to higher education (previous graduating batch).****Response:** 3.52**5.2.3.1 Number of outgoing student progressing to higher education.**

Response: 42

File Description	Document
Upload supporting data for student/alumni	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**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 events (award for a team event should be counted as one) during the last five years.****Response:** 118**5.3.1.1 Number of awards/medals won by students for outstanding performance in sports / cultural activities at inter-university / state / national / international events (award for a team event should be counted as one) year - wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
31	26	13	33	15

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of award letters and certificates	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**5.3.2 Presence of Student Council and its activities for institutional development and student welfare.****Response:**

The University is strongly committed towards transforming its students into holistic professionals through various extracurricular activities and to do so, the University places special emphasis on student participation in various extra/co-curricular activities. To manage and coordinate such extracurricular activities, the University has a **Council of Student Activities (CSA)**. A Professor level faculty member of the University Chairs the CSA and is assisted by two Vice Chairmen, an OSD and the Physical Training Instructor (PTI). The Council is further subdivided into various Sub Councils/Cells/ Clubs, prominent of which are the **Technical Sub Council, Sports Sub Council, Cultural Sub Council, NSS, NCC, Resident Scholar Club** etc. which keep the campus vibrant throughout the year. The Sub Councils/Cells/ Clubs are managed by a team of Faculty members and students office bearers. Students participate in various extra/co-curricular activities at the Department and University level and earn marks/grades for General Proficiency. Some of the major annual events organized by different Sub Councils/Cells/ Clubs include, but not limited to: -

- **Tech Srijan** (Annual Technical Festival organized by Technical Sub Council)
- **Abhyuday** (Annual Art, Literary, & Cultural Festival organized by Cultural Sub Council)
- **Aayas** (Annual Sports Meet organized by Sports Sub Council)
- **Robomania** (National Level Robotics Competition organized by Robotics Club)
- **Spell Czar & Arunoday** (Literary events organized by Editorial Board)
- **Innowizion** (Innovation event organized by University Innovation Cell)
- **SMASH** (Annual Indoor Sports competition organized by Sports Sub Council)
- **International Yoga Day** (Annual event organized by Yoga Club)

Besides in-house activities attracting participation of students from colleges/institutions located in different parts of the country, the University also encourages and provides financial support to students to participate in national level sports/cultural/technical festivals organized in premier institutions throughout India.

**Facilities:** CSA has a brand-new, state-of-the-art sports stadium named '**Shaheed Bandhu Singh Stadium**'. The stadium was inaugurated by Hon'ble Chief Minister of Uttar Pradesh Shri Yogi Adityanath and has been named after the famous revolutionary of First War of Indian Independence Late Shri Bandhu Singh. Sprawling into 12 acres of land, the stadium has both outdoor and indoor facilities. The stadium has a Football ground, a Hockey ground, a Cricket pitch, a grassy ground for Track & Field activities, two indoor Basketball courts, and a Pavilion with 300 seating capacity. In addition to the stadium, facilities for the following indoor/outdoor sports are also available in the University: -

- **Indoor Sports:** Table Tennis, Badminton, Carrom, Chess, and Billiards.
- **Outdoor Sports:** Separate concrete courts for Skating and Tennis; Another grassy ground for Football, Kabaddi, & Volleyball.
- **Gymnasium:** Separate gymnasium for boys and girls are available which are equipped with all modern facilities.

CSA has fully air-conditioned auditorium '**Multi-Purpose Hall**' (MPH) with seating capacity of 800

persons with a 40x30 feet stage, two greenrooms, and a robust PA/ audio-visual presentation system. CSA also has a Cultural Ground near the Civil Engineering Department to host open air/outdoor functions.

All the Sub-Councils/ Cells/ Clubs of CSA are getting sufficient funds/ infrastructure support as required for their smooth and optimal functioning.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

### 5.3.3 Average number of sports and cultural events / competitions organised by the institution per year

Response: 32.8

#### 5.3.3.1 Number of sports and cultural events / competitions organised by the institution year - wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
12	31	36	48	37

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Report of the event	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 5.4 Alumni Engagement

**5.4.1 The Alumni Association / Chapters (registered and functional) contributes significantly to the development of the institution through financial and other support services.**

Response:

Madan Mohan Malaviya University of Technology Gorakhpur has its alumni association with the name of **Malaviya Alumini Association (MAA)**. The Aims and Objectives of **Malaviya Alumni Association**

(MAA) of Madan Mohan Malaviya University of Technology Gorakhpur are to promote and foster mutually beneficial interaction between the Alumni and the Alma Mater, to encourage the formation of local chapters to increase participation of Alumni, to encourage the Alumni to take abiding interest in the progress and development of the Alma Mater, to generate corpus at the Madan Mohan Malaviya University of Technology (MMMUT) for creating better residential /educational/recreational facilities for the University Community, to exchange professional knowledge, to organize technical conferences, seminars workshops & training courses, to provide a vibrant forum that promotes interaction and networking among alumni of the erstwhile MMMEC and presently MMMUT, to contribute to the University's Vision of being recognized among the world's leading institutions in academics, research and innovation, to promote best practices in different areas of science, technology, humanities and social sciences for the benefit of the society, especially weaker sections, to create awareness about the University and its alumni in the public and to assist deserving students from the sections of the society financially and otherwise.

Right now, there are more than 25 chapters of Malaviya Alumni Association of MMMUT Gorakhpur spread across the globe such as MAA Gorakhpur Chapter, MAA Lucknow Chapter, MAA Allahabad Chapter, MAA Power Belt Chapter, MAA Mumbai Chapter, MAA NCR Chapter, MAA Bangalore Chapter, MAA Pune Chapter, MAA Uttarakhand Chapter, MAA North East Chapter, MAA US Chapter, MAA UK Chapter etc.

All the chapters are functional but some of them are registered. Alumni/Alumnae of MMMUT Gorakhpur are always ready to contribute to the University and also direct support to students financially along with other supports such as by taking expert lectures, by hiring the students from campus in their company, by providing the students internship/training etc.

**Alumni Bhawan** in MMMUT Campus has been constructed/ renovated with the financial contributions of Alumni and it is now completely operational. Every required luxurious facility for stay and conducting meeting are available in Alumni Bhawan.

Some of the chapters such as **MAA Bangalore Chapter, MAA NCR Chapter** etc are helping the pass out students of MMMUT in getting employment in good companies. MAA Bangalore Chapter is also providing fooding and lodging facility to the financially weaker pass out students unless he/she gets a suitable job. Alumni of MMMUT is also helping financially by giving the fee of needy students, by giving money in the treatment of the parents of the students of MMMUT, by giving the air fare and registration fee of the students going abroad for presenting the research paper/internship in foreign Universities etc. More than 15 scholarships and medals to the students have been sponsored by alumni/alumnae either batchwise or in individual capacity.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

#### 5.4.2 Alumni contribution during the last five years (INR in Lakhs)

<b>Response:</b> A. ? 100 Lakhs	
<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>
Link for any additional information	<a href="#">View Document</a>

MAAC

## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

**6.1.1 The institution has a clearly stated vision and mission which are reflected in its academic and administrative governance.**

**Response:**

#### Nature of Governance

Madan Mohan Malaviya University of Technology, Gorakhpur has been established in year 2013 by Government of Uttar Pradesh in the form of a non-affiliating teaching and research University after reconstituting the Madan Mohan Malaviya Engineering College, Gorakhpur which was established in 1962.

*Fifty-nine batches* of students have entered its portals to emerge after 4 years of rigorous education under the tutelage of some of the most venerable Teachers, Engineers ready to face the world and create new world. The University is located at the Gorakhpur-Deoria Road about 9 Km away from Gorakhpur Railway Station. The campus of university spread in 338.52 Acres of land. This University offers regular B Tech, M Tech and PhD level programmes in each seven branches of Engineering. Besides above MCA programme is also offered by Information Technology and Computer Application department. The supporting departments such as Mathematics and Computational Science, Physics and Material Science, Chemistry and environmental Science and Humanities and Management Science are running regular M Sc., MBA, BBA and PhD programmes. Every department is also running Part time PhD programme for the nearby eligible candidates and working professionals. The University is also having a QIP centre for Ph.D. programme. All the engineering programmes along with MCA programme of the University is recognized by All India Council for Technical Education. The Governance of the University is strictly in accordance with the Vision and Mission. This is done as per the Act and Statues of the University. The system is effectively decentralized for a better governance and performance. The major decisions which have a bearing on the function and the goal of the University are decided by the Board of Management; Vice Chancellor of the University is Chairman of Board of Management, who has full freedom to take decisions in the interest of holistic development of the University as well as state of art education to students.

The Court and Board of Management is the apex body for the management of the University. The execution of the decisions taken in Academic Council and any other committee mentioned in attachment is only valid if the decision is approved by the Board of Management.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**6.1.2 The effective leadership is reflected in various institutional practices such as decentralization and participative management.**

**Response:**

The institution defines the decentralization in working through delegation of authority. Personnel at different level implement the decisions. The University has delegated the authority at various levels. To implement decentralized and participative management the Act of 2013 and statues of this University have defined following authorities at various levels of management:

Vice-Chancellor	Prof. J. P. Pandey	vc@mmmut.ac.in
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**Administration****Academic Administration****Examination Cell****Hostels Warden/Assistant Wardens****Faculty In charge (Sub-Councils/Cells/Clubs of C.S.A.)**

- Sports Sub Council
- Cultural Art & Literary Sub Council
- Technical Sub Council
- NCC
- NSS
- Day Scholar Club
- Resident Scholar Club

The University follows the decentralized and participative management policy through above mentioned authorities. The policy framework is prepared by these authorities and then it is placed in the respective bodies for approval (Defined in section 6.1.1). If the prepared policy is approved by the respective management body, then it is put in the agenda of upcoming meeting of Board of Management for final approval of the policy, and once it is approved by the BOM then it becomes a rule for the University and implemented by respective authorities.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

**6.2 Strategy Development and Deployment****6.2.1 The institutional Strategic plan is effectively deployed.****Response:**

The strategic development plan has been crafted for the overall development of the University. The journey of the growth began with increase in the intake capacity of the existing B Tech programmes. The intake capacity is made 120 students from session 2015-16 in each existing B Tech programmes with proper approval from Board of Management and permission from U P Government. To consolidate the study of UG and PG research programme leading to PhD degree started in the departments where it was yet to be started. The intake in PhD is also increased based on the availability of supervisors. A new B.Tech. programme in Chemical Engineering was started in session 2016-17 with intake of 60 students and another B.Tech. programme in Information Technology started in session 2019-20. Besides these, new regular M.Sc. programmes have been started in Mathematics and Computing Science, Physics and Material Science, Chemistry and Environmental Science respectively. A new undergraduate programme Bachelor of Business Administration (BBA) has also been started in Humanities and Management Science department. To meet the requirement of faculty positions and others as per the AICTE standard in each department, a proposal for sanction of new faculty positions, teaching supporting staff, and administrative staff in each cadre was submitted to U P Government. The different posts were sanctioned by the Government and some of the posts have been filled after rigorous recruitment procedure. Besides this, various infrastructural development proposals in phased manner had also been submitted to State Government/Other Government Agencies which were sanctioned by the Government in phased manner.

Several construction projects mentioned above are completed and some are under process of completion. The various labs of the University are modernized with new equipments/machines to meet requirements of the present state of art with financial aid from TEQIP/RUSA/DDUQIP Projects/Schemes of Central/State Government. Every faculty and officers of the University has been provided individual Desk Top Computers along with printers for essential and comfortable working. Owing the fact of the COVID-19 & the pandemic situation, all faculty members have been given individual Laptop for better working from TEQIP funds. The University is giving financial support to every faculty to enhance their knowledge by attending Conferences/FDP/STC etc. This facility is also available to Teaching Supporting Staff, Secretarial Staff and officers of the University.

The meetings of advisory board are conducted by the department to take the feedback and accordingly changes suggested are adopted in the departments for teaching and learning process. Besides this every department also has Board of Studies (BOS) which comprises the members from industries, reputed institutions, alumni and students. The outcomes of the meetings of BOS are also adopted for the better education of the students. Several MOUs have been signed by the University with various Indian and International Institutes/Universities to enhance the knowledge of students as well as faculty of the University. Some collaborative research work is also being executed with these Institutes/Universities.

File Description	Document
Any additional information	<a href="#">View Document</a>
Strategic Plan and deployment documents on the website	<a href="#">View Document</a>

**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:**

The Board of Management is the apex body of the University and very active group involved in the monitoring and continuous development of the University. The Board of Management meets once in three months and interacts with industry experts, faculty, students and corporate to understand the improvement areas and raise the level of knowledge delivery with the assistance of faculty members and administrators at the University. These bodies also support the development through planning and execution, budget, review of performance and policy making. The Academic Council approves the course structure and policy matters recommended by the Board of Studies of respective departments. The following chart describes organizational structure of the University. Hon'ble Vice Chancellor is on the first level in the chart. Hence, he has to manage the overall activities of the University.

There are five Deans in the University as per Statues and Act of the University. They are enlisted as follows:

Dean of Student's Affairs

Dean of Faculty Affairs

Dean of Planning, Resource Generation and Alumni Affairs

Dean of Under Graduate Studies and Entrepreneurship

Dean of Post Graduate Studies and Research and Development

To assist and smooth functioning of day-to-day work of each of the Dean, Dean Office has Associate Deans and Officer on Special Duty. The University has at present eleven departments; hence there are eleven Heads of Department in the University.

The recruitment procedure, promotional policies and service rules are in tune with the rules of AICTE, UGC and Government of Uttar Pradesh. This elaborated in Statues of the University/ Act 22 of 2013 of U P Government.

Besides the above, to assist the administration of the University, there are number of Committees and cells. The recommendations of these Committees/Cells are kept in different Management Bodies as per requirements for further recommendations/ decisions and if needed, it is included in the agenda of upcoming meeting of Board of Management for final decision. The mandate of the Committees and Cells are clearing elaborated in the concerned office orders of the Committees/Cells.

The University has active and separate Grievances and Redress cell for staff (Faculty and all Staff of the University) and for the students. The faculty members are free to express their constraints regarding teaching-learning and other matters of concern. Staff Association of the University also provides a platform to discuss the grievances. The students are also free to discuss their grievances with Faculty/Hostel Warden/Dean Student's Affairs. They are also allowed to voice their grievances in writing to the cell. The committee looks into grievances thoroughly raised by the effected person and finds out the amicable solution. Counseling is offered if necessary to provide solutions.

The University has Proctorial Board to maintain the discipline in campus. The complaints/ suggestions are

being collected from boxes and analyzed by the grievance committee periodically and the necessary actions are initiated. In addition, the student grievances are also addressed at the department level by respective teachers and HoDs.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link to Organogram of the University webpage	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 6.2.3 Institution Implements e-governance covering following areas of operation

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

**Response:** A. All of the above

File Description	Document
Screen shots of user interfaces	<a href="#">View Document</a>
ERP (Enterprise Resource Planning) Document	<a href="#">View Document</a>
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	<a href="#">View Document</a>

## 6.3 Faculty Empowerment Strategies

**6.3.1 The institution has a performance appraisal system, promotional avenues and effective welfare measures for teaching and non-teaching staff .**

**Response:**

The appraisal system is followed for faculty members as well as Officers and staff of the University. The University has designed a Faculty Annual Report for faculty members which is approved by the Board of Management. The faculty members are required to fill the Faculty Self Appraisal Report (SAR) after each academic session and then these all reports are evaluated by higher authorities of the University. For Officers and staff other than faculty, Annual Confidential Report (ACR) procedure is followed for appraisal system. The format for ACR is also designed and approved by Board of Management. Each and every Officer as well as staff has to fill this ACR at end of the Academic Session of the University.

A promotional avenue for Faculty members is in tune with AICTE, UGC and U P Government rules. For Officers and staff of the University Assured Career Promotion (ACP) rules of U P Government is followed

in the University. A committee is framed under the chairmanship of Dean Infrastructure and Planning to look after the cases of ACP and gives its recommendations for concerned Officer/Staff to Hon'ble Vice Chancellor for approval. Once it is approved by the Hon'ble Vice Chancellor the concerned Officer/Staff gets the promotion.

### **Leave Rules**

The following kinds of leave are admissible to members of the employee:

(a) *Casual Leave*

(b) *Special Casual Leave*

(c) *Special Leave*

(d) *Half-pay Leave*

(e) *Earned Leave*

(f) *Extraordinary Leave*

(g) *Maternity Leave*

(h) *Medical Leave*

(i) *Quarantine Leave*

(j) *Leave not due*

(k) *Sabbatical Leave*

(l) *Paternity Leave*

- The rules concerning to above leaves is elaborated in section 52 to 57 of Statues of the University.
- The faculty members get full financial support for attending conferences, workshops and seminars.
- The newly joined faculty members have been approved seed money of Rs 2.0 Lakh for research work based on their research plan as Research Initiation Grant from TEQIP funds.
- The faculty members are entitled for reimbursement of seventy five percent of fee paid to any professional body (National/International) each year.
- For consultancy projects, faculty and staff is given approximately 60% of the consultancy fees.
- For non-teaching staff, financial support is provided to pursue skill development training. Uniform is also being provided for instructors, drivers, attendants, and security staff.
- Group Insurance is provided for teaching and non-teaching staff. In case of any emergency, personal loan is also provided to the staff.
- The faculty and staff are entitled for reimbursement of fifty percent of the total fee paid or Rs 10000.00 whichever is less for Medical Insurance.

- All teaching and non-teaching staff is eligible for transport on the college bus. For other official purpose, the staff concerned should inform the Officer in charge vehicle in advance, so that he can retain the driver and ensure that vehicle is kept ready.
- Canteen facility and medical facility are also available to faculty as well as to staff of the University. University ambulance is always available to faculty, staff and students.

File Description	Document
Link for Additional Information	<a href="#">View Document</a>

### 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:** 22.81

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

2020-21	2019-20	2018-19	2017-18	2016-17
12	60	52	41	9

File Description	Document
Details of teachers provided with financial support to attend conferences, workshops etc. during the last five years (Data Template)	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 6.3.3 Average number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the last five years.

**Response:** 33.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
27	50	23	24	42

File Description	Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres)	<a href="#">View Document</a>
Reports of Academic Staff College or similar centers	<a href="#">View Document</a>
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 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:** 52.65

##### 6.3.4.1 Total number of teachers attending professional development Programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
73	96	80	67	72

File Description	Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View Document</a>
IQAC report summary	<a href="#">View Document</a>
Details of teachers attending professional development Programmes during the last five years (Data Template)	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## 6.4 Financial Management and Resource Mobilization

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

**Response:**

The University has a strong annual planning and budgeting process. Detailed process is in place for preparing annual budgets and tracking actual expenditures to budgets. All the investment is measured for cost benefit analysis and return on investment and financial practices are benchmarked against best practices. The University has a separate accounts section and a strong qualified finance team headed by Controller of Finance (PCS Officer). The University is getting funds at present from following sources:

i) Uttar Pradesh Government

ii) Technical Quality Improvement Program (TEQIP) (MoE)

iii) Rashtriya Uchchattar Shiksha Abhiyan (RUSA)

iv) Deen Dayal Upadhyay Quality Improvement Program (DDUQIP)

i). Uttar Pradesh Government: The University gets funds under plan and non-plan grants from the government of Uttar Pradesh. Plan grant is for other than the recurring expenditure of the University. This is sanctioned in general for the civil construction projects submitted by the University. The government allocates total fund under plan grant for the university for a financial year. The funds released to the University for civil construction projects from this allocated fund only. The non-plan grant is for recurring expenditure such as salary of Teaching and non-teaching staff, maintenance, electricity etc.

ii). Technical Quality Improvement Program (TEQIP) (MoE): This grant is given by Government of India under World Bank Scheme named as Technical Quality Improvement Program under Ministry of education (MoE). The University at present is under III phase of this scheme. Total grant sanctioned under this scheme is Rs 1650.00 Lakh. Total grant is distributed in three major heads of expenditure such as Procurement, Academic and Operational Cost Head.

The regular internal and statutory audit is performed by renowned audit agencies. The internal audit is performed on six monthly basis and statutory audit on yearly basis. The audit is performed on the basis of guidelines provided by National Project Implantation Unit (NPIU).

iii). Rashtriya Uchchattar Shiksha Abhiyan (RUSA): This is a holistic scheme of development for higher education in India initiated in 2013 by the Ministry of Human Resource Development, Government of India. A total grant of Rs. 20.00 Crores has been sanctioned out of which Rs. 9.33 Crores has been released till 2018-19. The amount of Rs. 1.83 Crores in 1st instalment and 7.50 Crores in Second instalment has been utilized for the procurement of computers, upgradation of existing computer network, the construction of skating court, new labs in different departments and extension of central library of the University.

iv). Deen Dayal Upadhyay Quality Improvement Program (DDUQIP) of Uttar Pradesh Government: The U.P. Government sanctioned a total grant Rs. 15.00 Crores through Dr. A.P.J. Technical University, Lucknow under the Deen Dayal Upadhyaya Quality Improvement Programme (DDUQIP) scheme in which 70% (10.5 Crores) shall be utilized for the infrastructure development and 30% (4.5 Crores) for the Digitization, procurement of Software and Training & Employment related activities.

File Description	Document
Link for Additional Information	<a href="#">View Document</a>

#### 6.4.2 Funds / Grants received from government bodies during the last five years for development and maintenance of infrastructure (not covered under Criteria III and V ) (INR in Lakhs).

**Response:** 31947.5

##### 6.4.2.1 Total Funds / Grants received from government bodies for development and maintenance of infrastructure (not covered under Criteria III and V) year wise during the last five years (INR in Lakhs).

2020-21	2019-20	2018-19	2017-18	2016-17
5388.624	7177.809	5570.706	7865.890	5944.470

File Description	Document
Details of Funds / Grants received from government bodies during the last five years (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Annual statements of accounts	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

#### 6.4.3 Funds / Grants received from non-government bodies, individuals, philanthropists during the last five years (not covered in Criterion III and V) (INR in Lakhs)

**Response:** 30.53

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

2020-21	2019-20	2018-19	2017-18	2016-17
4	7.3	14.48	4	0.75

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Annual statements of accounts	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

#### 6.4.4 Institution conducts internal and external financial audits regularly

##### Response:

The three level of audit process is being followed in the University. The details are follows:

1. Internal Audit
2. Local Fund Audit
3. AG of Uttar Pradesh, Prayagraj (Allahabad)

##### 1. Internal Audit

The University follows concurrent audit process for each and every financial process/activities. The University has two regular posts in the audit section. The designations of the posts are Internal Auditor and Audit Assistant. The each and every file is first examined by the Internal Auditor before final approval by the competent authority.

##### 2. Local Fund Audit

All the financial transactions completed in the financial year are examined as per financial rules of the U P Government by the auditors of the Local Audit Fund after end of current financial year. The disposal of the objections raised by auditors is resolved in consultation with internal auditor of the University.

The audit process from Local Fund Audit has been discontinued from financial year 2019-20 by the U P Government Orders.

##### 3. AG Of Uttar Pradesh, Prayagraj (Allahabad)

This audit process is scheduled and conducted by UP Government. This audit process is also conducted on regular basis. The auditors are appointed by AG Of Uttar Pradesh, Allahabad. All the financial transactions (**including confidential account**) completed in the budget year is examined as per General Financial Rules. The disposal of audit objections is performed in consultation of internal auditor.

The regular audit on yearly basis is also conducted by chartered accountant M/S Gaurav G Agarwal & Co. The audit firm generates various audit related documents such as Balance Sheet etc.



File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## 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 by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals.**

### Response:

The Internal Quality Assurance Cell (IQAC) is established to maintain and enhance quality of teaching learning process in the University. The major focus behind creating this cell is to develop a system for conscious, consistent and catalytic improvement in the overall performance of the University. The work of IQAC is the step towards institutionalization of quality enhancement. The major objectives of the IQAC is enlisted in the following lines:

- Internal Quality Assurance Cell (IQAC) developed at universities to put a focused attention on QA aspect of technical education.
- Focused approach to assure and enhance the standard of technical learning.
- Improve the quality of output and efficiency of learning (teaching) systems in a systematic way.
- Help to introduce enabling learning environment which is fostering element for building a knowledge economy.
- Contribute substantially in the success of other programs such as faculty, curriculum and infrastructure development.
- Assure the integration of important component of Quality in all developing fields and coming policies of technical education.
- Required to develop and implement the measures of QA with promise of Quality Enhancement to meet international standards of technical education.

The vision of the University clearly states the aim of the university is to achieve the status of center of excellence in each and every stream being offered in the University. The IQAC is working in tune with the vision and mission to achieve the stated goal.

Two practices institutionalized by the IQAC, are as under:

1. To review the Faculty Evaluation Feedback, IQAC, in its first meeting held on 14.08.2015, noted the faculty feedback process and directed to take the feedback two times in a semester; first one after second test and second one before the commencement of end semester examination. The IQAC also advised that the faculty feedback should be sent to respective faculty members through Head of Department for necessary remedial measures by faculty under supervision of Head of Department.
2. IQAC, in its second meeting held on 16.08.2016, recommended to initiate some awards to students to encourage their talent. Consequently, University established “Malaviya Excellent Student Award” which is awarded to students of every Branch based on their overall performance in

Academic, Sports as well as other extra-curricular activities.

To ensure efficient functioning of IQAC, member secretary of the IQAC interacts with various functionaries for effective implementation of IQAC and apprise chairperson of IQAC from time to time for the progress. Recently, in order to increase the effectiveness of the IQAC an additional departmental IQAC has also been constituted. The outcomes/comments/suggestions of DIQAC are being thoroughly discussed in IQAC meetings. The IQAC will record its deliberation and suggest improvements required if any in academic/administrative functioning.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

**6.5.2 Institution has adopted the following for Quality assurance 1. Academic Administrative Audit (AAA) and follow up action taken 2.Confernces, Seminars, Workshops on quality conducted 3. Collaborative quality initiatives with other institution(s) 4.Orientation programme on quality issues for teachers and students 5. Participation in NIRF 6.Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA).**

**Response:** A. Any 5 or more of the above

File Description	Document
Upload e-copies of the accreditations and certifications	<a href="#">View Document</a>
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Paste web link of Annual reports of University	<a href="#">View Document</a>

**6.5.3 Incremental improvements made for the preceding five years with regard to quality (in case of first cycle), Post accreditation quality initiatives (second and subsequent cycles).**

**Response:**

The vision and mission of the University is to develop, strengthen and implement academic programmes that are responsive to students, state and Nation that are systematically reviewed for sustained quality relevance, and excellence to meet the challenges of a highly competitive and global workforce with good human being quality. The following are the incremental improvements for the last five academic years:

- Enhancement of seats in existing UG (B Tech) programmes.
- Establishment of new Engineering, Science and Humanities and Management Science departments.

- Two new UG (B Tech) programmes and BBA introduced in subsequent years.
- Three New PG (M Sc) programme introduced in subsequent years.
- Enhancement of seats for PhD in every department.
- Periodic modification in curriculum for each programmes.
- Focus on better research work.
- Various infrastructural (Construction related) development took place in the University. The details are discussed in section 6.2.1.
- Increase in faculty, Officers and staff position.
- New Recruitment of faculty and Officers.
- Strengthening of teaching learning process.
- Strengthening of Lab facilities in university.
- Strengthening of Library facility in university.
- Strengthening of computing facilities in university.
- Several short programmes conducted for the improvement of learning process of students.
- Several programmes conducted for enhancement of overall personality of the students.
- Several programmes conducted for the better employability of the students.
- Several programmes conducted for the enhancement of knowledge of faculty and staff.
- Financial support provided to faculty and students for attending outside the campus conferences/Faculty Development Programmes/Short Term Course and etc.
- The University has arranged several expert talks in various areas of study for the benefit of students as well as faculty members.
- ICT enabled teaching and learning Aids were purchased, installed and are being used.
- Encouraging meritorious students by awarding various medals and scholarships.
- Solar panels are installed on the terrace as well as ground of the University to save power.
- Increase in the number of quality publications from the faculty members and students when compared to each previous year.
- The University has signed various MOUs with number of National and International Institutes/Universities of repute to enhance the knowledge and research.
- Establishment of incubation centre in the University.
- Various programmes have been arranged under National Missions by NSS such as
  - Swachh Bharat Mission
  - Skill India Mission
  - Renewable Energy
  - Make in India
  - Internataional Yoga Day (21st June)
  - Good Governance Day (25th December)
  - National Unity Day/Rashtriya Ekta Diwas (31st October)
  - Samvidhan Divas/ National Law Day (26th November)
  - Digital India
  - Beti Bachao Beti Padhao Abhiyan
  - Unnat Bharat Abhiyan
- Various activities under Green Campus/Green Initiatives
  - Tree Plantation
  - Installation of Sculptures
  - Open sitting
  - Indoor Gymnasium
  - Biodiversity Park
  - Wifi Connectivity

- Solar Photovoltaic Power Stations

File Description	Document
Link for Additional Information	<a href="#">View Document</a>

NAAC

## 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:

MMMUT is one of the premier institutions which organize a lot of gender equity programmes in which equal opportunity is given to both genders to participate in various events. Various cultural and other extracurricular activities are conducted in the campus where girls and boys are participating equally and all the events are organized by both genders.

University has facilitated 20% horizontal reservation for girl candidates. **Only 50% registration fee for girls for appearing in admission test.** The campus has various facilities like cafeteria, round the clock Internet facility in all hostel rooms, sports facilities (indoor & outdoor), gyms, laundry, library, medical dispensary, auditorium, parks, conveyance facilities, bank with an ATM which **will be** easy and friendly access to girls/women.

##### a) Safety and Security

The institute has taken the following safety and security measures

1. Security guard at the main gate allows the persons only if they had a proper ID proof and reason. In addition to the strict security at the main gate, security vigilance and CCTVs at prime locations of the whole campus, the girl hostel is provided 24X7 security guard separately hence the girl's students are highly secured .
2. Squad system for security check has been introduced in the university. Squad headed by senior faculty member to monitor the corridors, classrooms, canteens, laboratories, hostels, library, etc.
3. Separate hostels, badminton courts a Gym and canteen are available for girls in the university campus.
4. Women cell is established to conduct various activities for overall development of girl students/women.
5. Grievance cells are actively functioning which provide an opportunity to the girls to voice their problems.
6. Hospital facility is provided for all the students, faculty, and staff with 24 hrs availability of ambulance.
7. Special sanitization facility has been provided in all girl hostels.

##### b) Counseling

1. Women's cell regularly conducts many Women's development programs to encourage and boost the confidence of the girl students.
2. All girls' hostels have one lady warden besides other wardens.
3. One resident warden reside in each girl hostel to facilitate in all respect.
4. Mentor system has been introduced. The main objective is to keep the effective monitoring and welfare of the students. This system improves the rapport between students and mentor.

5. A lady doctor with two lady nurses meets the girl students periodically and counsels them to remove their difficulties related to personal, health and other issues are discussed and proper guidance and support is provided to ensure the comfort of the students in the campus.

#### c) Common Room

A well-furnished common room is made available for girls in each hostel and the seminar rooms of all the departments are also used as a common room when the seminar rooms are not in use.

#### d) Day care centre for children of the staff

A day care facility is provided to look after the children of the staff during working hours.

Session	2020-21	2019-20	2018-19	2017-18	2016-17
No. of Events	29	15	14	14	11

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	<a href="#">View Document</a>
Annual gender sensitization action plan	<a href="#">View Document</a>

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

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

**Response:** A. 4 or All of the above

File Description	Document
Geotagged Photographs	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

#### 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:**

University is conscious about its responsibility towards the environment and work on the principles of three 'R' model to maintain Eco-friendly campus.

- Reduce
- Re-use
- Re-cycle

#### **Solid waste management**

1. The solid waste generated in the campus includes plastics, food wastes, cardboard materials, paper wastes, metals, wood etc.
2. Dustbins are provided in the campus at convenient locations to keep campus clean and neat.
3. All the garbage and solid wastes are collected from the sweepers/ cleaner and disposed into open pit inside the university campus.
4. Compost arrangement has been made to convert solid waste into fertilizer.
5. Metal and wooden waste is stored and given to authorized vendors by a committee constituted by university authorities.

#### **Liquid Waste Management**

The liquid waste generated in the campus includes sewage, laboratory, laundry, hostel, and canteen effluent waste. The above waste is treated through constructing soak pit and septic tank in all the residences.

Periodic checkup of plumbing lines is undertaken to ensure minimal loss of water due to leakage.

#### **E-waste Management**

Electronic goods are put to optimum use. The minor repairs are done by the laboratory staff. E waste generated is first reused in the campus itself if it is possible. Then discarded waste is disposed of to authorized vendors by a committee which includes faculty members, persons from registrar office, account office etc.

#### **Hazardous chemicals and radioactive waste management**

The institute does not produce any hazardous and radioactive waste. The biological and chemical wastes are disposed properly through incinerators. The electronic gadgets and computers which are discarded are disposed as scrap for safe disposal.

<b>File Description</b>	<b>Document</b>
Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View Document</a>
Geotagged photographs of the facilities	<a href="#">View Document</a>

#### **7.1.4 Water conservation facilities available in the Institution:**

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

**Response:** A. Any 4 or all of the above

<b>File Description</b>	<b>Document</b>
Geotagged photographs / videos of the facilities	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

#### **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:** Any 4 or All of the above

<b>File Description</b>	<b>Document</b>
Various policy documents / decisions circulated for implementation	<a href="#">View Document</a>
Geotagged photos / videos of the facilities	<a href="#">View Document</a>
Any other relevant documents	<a href="#">View Document</a>

#### **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:** A. Any 4 or all of the above

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View Document</a>
Certification by the auditing agency	<a href="#">View Document</a>
Certificates of the awards received	<a href="#">View Document</a>

#### 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	<a href="#">View Document</a>
Geotagged photographs / videos of the facilities	<a href="#">View Document</a>

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

**Response:**

The following efforts/initiatives have been taken by the institute for providing and inclusive environment

- 1.MMMUT strictly follows the reservation policies laid down by the Government of India and State Government for admission of students and appointments of teaching and non-teaching staff, which ensure parity and transparency during the entire process.
- 2.Special provisions have been made for admission of students from North-East, NRI, and Kashmiri migrants.
- 3.Students from low socio economic spectrum are provided various types of scholarships like **Chhatra Kalayan Niddhi** started by this university and other scholarships from the State

Government and provided by Alumnus.

4. Adoption of 27 boys, who are suffering from TB to meet yearly expenses for their treatments.
5. Institute promotes cultural plurality and inclusivity on campus. In an effort to unite all cultures, many events are organized to promote cultural diversity.
6. Orientation programme is conducted every year at the beginning of the session for the new students to make them aware about the academic and cultural environment of the university.
7. Relief funds are collected by this university in case of any natural disasters. Collection of fund is done by inviting voluntary donations from the employee of this university to help the victims.
8. Students are motivated to conduct social activities for betterment of community. Students of university are actively involved in various types of social activities like awareness about importance of education, health, environment, etc in the campus and nearby villages. The cleanness drives in the campus named **Swachhta Pakhwada Mission, Clean Campus-Green Campus Mission**, etc. are organized regularly. Some other activities like **Voters Awareness Programme, Blood Donation Camps, and Awareness about Encephalitic** etc. are also organized inside as well as outside the campus.
9. Swachh Bharat Abhiyan: The institute actively involves in Swachh Bharat Abhiyan and organizes various activities on different occasions like Republic Day, Independence Day, Mahatama Gandhi Jayanti etc
10. Tree Plantation: University conducts tree plantation programmes at many occasions like Independence Day, Mahatama Gandhi Jayanti and on other occasions regularly. University has motivated to students, staff and faculty members for maximum number of tree plantation inside the campus and other suitable places.
11. Adoption of villages: The MMMUT has adopted villages named Jungle Ayodhya Prasad, Jungle Belwar, Jungle Ram Lakhana, Dumari Khurd and Raniganj to impart training to the unskilled masons of the village.
12. Blood donation campaigns: University is also arranging blood donation campaign regularly and motivate to students, faculty and staff members for blood donation.
13. Art of living programme and Yoga classes are conducted regularly to enhance the physical and mental health of students and employees.
14. Teaching for Children: The students of this university involved in teaching free of cost for economically poor students with facilities of books, pen, pencils, notebooks, etc.

Session	2020-21	2019-20	2018-19	2017-18	2016-17
No. of Events	17	10	25	20	16

File Description	Document
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View Document</a>

#### 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:

- MMMUT organizes various activities that strengthen our constitutional values and deepen our

allegiance and responsibility towards our nation. Samvidhan Divas is celebrated every year on 26th November by giving oath to students, faculty and staff members in order to follow the constitutional obligations. The preamble of constitution of India is read among all the attendees.

- University organizes various activities to inculcate the value system among the community and students with their responsibilities towards society, knowledge, and values that are necessary for maintaining their balance between work and life.
- On the occasion of Independence Day and Republic Day, the constitutional values, rights and duties are discussed and disseminated among students, faculty and staff members of the university.
- National Service Scheme (NSS) and National Cadet Corps (NCC) organize different awareness programs to make the students and employee aware and abide by all the law and order of the country. Also to make them aware about their fundamental rights and duties, such as casting a vote, paying government taxes and protecting the country from corruption.
- Various programs are organized by National Service Scheme (NSS) and National Cadet Corps (NCC) to make the students and employee a good and responsible citizen of the country, one must engage in activities or assist in tackling issues such as keeping the environment clean, raising money for charities, conserving electricity, water, and natural resources, or protecting public properties, etc.
- National Service Scheme (NSS) and National Cadet Corps (NCC) are two integral bodies that commit to programmes and activities to include constitutional obligations and patriotism among students and staff.
- To promote sustainable environment, Swachh Bharat campaigns and Tree Plantation drives are organized. As part of campaign, environmentally safe practices such as plastic ban, water conservation, cleanliness and anti pollution camps are implemented regularly.
- Institute enshrines the sovereign and democratic values of our nation by commemorating the Independence Day and the Republic Day annually. On these occasions, various types of activities like run for unity, plantation of trees, awareness programmes like health & hygiene issues, women about self-independency, environmental and education in the nearby villages.
- The institute establishes policies that reflect core values. Code of conduct is prepared for students and staff and everyone should obey the conduct rules.
- Voters Day and Voters Awareness Programmes are organized in the university to create awareness of youth towards their constitutional rights and duties. Routine drives are organized to facilitate issuance of voter ID for students.
- Legal rights awareness programmes are organized to spread awareness among students of their constitutional rights. University facilitates non teaching union elections to ensure democratic and safe space for employees to voice their concern.
- On the occasion of Dr. B.R. Ambedkar's Jaynti, constitutional values and their importance are discussed among students, faculties and staff members.

The various activities organized in the campus year wise are given below:

Session	2020-21	2019-20	2018-19	2017-18	2016-17
No. of Events	14	12	15	11	9

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

#### **1. The Code of Conduct is displayed on the website**

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

**Response:** A. All of the above

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	<a href="#">View Document</a>
Code of ethics policy document	<a href="#">View Document</a>

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

MMMUT organizes National Festivals, Birth and Death Anniversaries of great Indian personalities to promote national unity, integrity, and patriotism among the youth minds. Thoughts of great Indian personalities sowed into the minds of students through the programs conducted on these days. Staff and students get to know the importance of national integrity in the country in general and their role in it particular.

The following are the programmes conducted for the holistic development of students

- 15th August Independence day
- 26th January Republic day
- 14th April B.R. Ambedkar Jayanti
- 15th September Engineers' Day
- 5th September Teachers' Day
- 2nd October Gandhi Jayanti
- 25th December Malaviya Jayanti
- 5th June World Environment Day
- 21st June International Yoga Day
- 7th April World Health Day
- 31st May World No Tobacco Day
- 11th July World Population Day
- 8th March International Women Day
- 10th December World Human Right Day, etc.

**Independence Day:** The institution celebrates Independence Day every year by a simple and elegant flag hoisting ceremony with the presence of invited Chief Guest, who unfurls the national flag followed by a

beaming patriotism outshined during the signing of National Anthem.

**Republic Day:** The Republic Day is celebrated with gaiety and patriotic fever at MMMUT. On this privileged occasion, celebrations starts with the vibrant and elegant National flag hoisting ceremony and the heartfelt renditions of patriotic songs arises feelings of love and brotherhood among everyone.

**Dr. B.R. Ambedkar Jayanti (Birth Anniversary of Dr. Bhimrao Ambedkar):** The institution celebrates the birth anniversary of Dr. B.R. Ambedkar on 14th April in the university campus every year their thoughts are focused on women rights, superstitions and save daughter issues.

**Engineers Day (Birth Anniversary of Sir Visveswaraya):** The institution celebrates this day on 15th September consistently as an exceptional tribute to the best Indian Engineer Bharat Ratna Mokshagundam Visveswvaraya.

**Teachers Day** is celebrated to commemorate the birth anniversary of the second president of India, Dr. Sarverpalli Radhakrishnani on September 5 every year.

**Gandhi Jayanti:** Gandhi Jayanti is celebrated on 2nd October every year to mark the birth anniversary of Mohandas Karamchand Gandhi, who was famously known as Mahatma Gandhi.

**Malaviya Jayanti:** The institute celebrates the birth anniversary of Bhart Ratan Awardee **Pt. Madan Mohan Malaviya** on 25th December every year.

**World Environment Day** is celebrated annually on June 5th for encouraging awareness and action for the protection of the environment.

**International Yoga Day:** International Yoga Day is celebrated in the university on June 21st every year since 2016.

**World Health Day** is celebrated on April 7th every year since 2017.

**World No Tobacco Day** is celebrated on May 31st every year since 2019.

**World Population Day** is celebrated on July 11th every year since 2018.

**International Women Day** is celebrated on March 8 every year since 2015.

**World Human Right Day** is celebrated on December 10 every year since 2017.

Session	2020-21	2019-20	2018-19	2017-18	2016-17
No. of Events	29	25	20	17	15

File Description	Document
Geotagged photographs of some of the events	<a href="#">View Document</a>
Annual report of the celebrations and commemorative events for the last five years	<a href="#">View Document</a>

## 7.2 Best Practices

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

#### Response:

#### Best Practice 1:

#### Title of the Practice: “Involvement of University in Social Activities”

#### Objectives of the Practice

- To inculcate the spirit of social service in our students so that they can learn to recognize it as a part of their education.
- To develop awareness among students towards existing social disparities in income, education, health and nutrition; and to instill comparison and empathy in the minds of young people towards the needs of deprived section of the society.
- To work for the betterment of the poor and marginalised section of the society and try to help them through various programmes, like awareness about health, education, arranging blood donation camp, tree plantation.
- Free teaching to the poor and deprived students, awareness about encephalitic.
- University faculties, students and Alumni are actively involved in social activity during COVID-19 pandemic.

#### The Context

Illiteracy and poverty are the interrelated and deep rooted problems of our society. The main purpose of this objective is to enhance the quality of life among the people by providing them awareness about the health, education and environment. Because of the lack of knowledge and awareness, some time in many places it becomes difficult to convince the peoples about the various issues like importance of education, blood donation, cleanness, vaccination programme for COVID-19 etc.

#### The Practice

University has created a synergy between its community work and outreach platforms such as NSS, NCC, Women Cell and Alumni Association, thereby creating a multivalent and mutually renewing forum for meaningful dialogue, action and interaction. To enhance the quality of life among the poor and deprived sections of the society in nearby areas of the campus, students visit and interact with villagers and discuss issues related to health, hygiene and education. Volunteers also teach children from these areas free of cost and provide necessary help. Students are pickup and drop from their home for teaching and all necessary

study materials are provided. Various types of other activities like dance and singing competitions etc. are also practiced to enhance overall growth of students. They celebrate festivals like Holi, Diwali and other festivals with them as small efforts towards inclusion.

MMMUT has adopted villages named Jungle Ayodhya Prasad, Jungle Belwar, Jungle Ram Lakhana, Dumari Khurd and Ranigunj to impart training to the unskilled persons of the villages, guide them about importance of education, cleanness, health issues. We also suggest various ways to enhance their income by doing small jobs after getting the training from different organizations according to their needs/interest.

Volunteer students and some faculty members along with local organizations run by our alumnus are doing various social activities like tree plantations, blood donation, distribution of essential commodities during floods, COVID-19, awareness about Encephalitic etc.

### **Evidence of success**

Various practices adopted by this university have been very successful in the intensity and reach of its vision and action. The institute has been able to sensitize its volunteers and other students about the need and nature of the social work and also in reaching out to the villagers in the vicinity of this university. After providing awareness about education, cleanness and health to the villagers, it was noticed that farmers start sending their children to schools for education. It was also found that they have become more careful about their health, education and cleanliness. Many blood donation camps have been organized nearby areas where large no. of volunteers were participated.

### **Problems encountered and resources required**

The mindset of the inhabitants of the local had to be gradually changed by volunteers and faculty members. In the beginning, it was very difficult to convince the people about the key issues like education and health. Convincing people to send their children to school, instead of sending them to work was very difficult. But because of the support of some local people from the same areas, it was possible to make them aware about these important issues. Different types of trainings along with financial support are required to make them employable.

### **Best Practice 2**

**Title of the practice: Financial Assistance for the welfare of Students, Staff and Faculty members**

#### **Objectives of the Practice**

- To provide financial support to the students through different schemes like scholarships, student's fee waives off in case of any mishappening with parents of students, provide medals to encourage students and financial support to the parents in case of any mishappening with students.
- To provide financial support/awards/appreciation to faculty members in different forms like Research Initiative Grant (RIG), health insurance, registration fee and TA & DA for attending conferences/workshops/seminars/trainings, financial assistance for filing patent application in India & abroad and to become professional body members, reimbursement of fee for regular faculty members who are pursuing Ph.D. in this university.
- To provide financial support for staff members for training/higher education.

## The context

- Various types of scholarships for the meritorious students to develop healthy competitive environment among them.
- Financial support is provided in case of any mishappening with parents of students, for permanently disabled students and partially disabled students due to any kind of accident.
- Financial support to faculty members in different forms like RIG for new faculty members to setup the research environment.
- Accidental insurance of to all faculty and staff members and also provide financial support for health insurance.
- Financial support to all the faculty members in form of registration fee and TA & DA for attending conferences/workshops/seminars/trainings.
- Financial support to become members of professional bodies.
- Provide best teacher award for faculty members every year to develop healthy & competitive environment among them.
- Financial support to staff member for any types of training to enhance their quality of working and also financial support as a for health insurance.

## The practice

- University facilitates various types of scholarships sponsored by our Alumni for different students of all branches.
- University also provides various types of medals and sponsored medal awards like Chancellor Gold Medal, Vive-chancellor Gold Medal and other provisional medals sponsored by Alumni and others.
- University provides complete fee remittance to student to continue his/her studies for the remaining period of programme (subject to minimum period of course completion) if his parent/earning member dies.
- Provide reimbursement of up to Rs. 50,000/- (maximum) on the production of necessary bill brochure/receipt for treatment of critical illnesses such as Cancer, Heart Stroke, Heart Attack, Organ Transplant, Kidney Failure, Loss of Eyesight, Loss of Speech, Loss of Hearing, Alzheimer's Disease, Aortic Surgery, Coma, Heart Valve Surgery, Multiple Sclerosis, Parkinson's disease, Paraplegia, Coronary artery bypass graft, HIV etc. of a student.
- Compensation of Rs.1.00 Lakh will be paid to parent of a student (excluding suicidal case) who dies due to an accident during the study period.
- Institute provides financial support to faculty members in different ways like a Research Initiative Grant (RIG) for newly joined faculty members to enhance the quality the research work, accidental insurance of Rs. 10, 00,000/- to all faculty and staff members and a reimbursement for health insurance of Rs. 10,000/- is provided when faculty members taking insurance from any registered firm/agency.
- Institute provides financial support to all the faculty members in form of registration fee and TA & DA for attending/presenting conferences/workshops/seminars/trainings, etc.
- University has a practice to provide best teacher award for faculty members every year to develop healthy & competitive environment among them.
- Institute provides financial support to staff member for any types of training to enhance their quality of working and also provides financial support of Rs. 10,000/- as a reimbursement for health insurance.



For getting financial support from the University, candidates have to apply through proper channel and they have to get their application approved from the competent authority.

### Evidence of success

- Large number of students have received the scholarships, medals, awards and successfully completed their degree. The exit feedback from the students indicates the true success of this scholarship program.
- Large number of good research publications in National/International journals and conferences by the faculty members of this institute, represents the success of the schemes.
- With the provision of insurance facility provided by the institute, faculty members feel secure about their future.
- Faculty members feel better by getting all types of computing facilities and this enhances the working environment of teaching and research. Faculty members are well capable in conducting on line classes, quizzes and other academic activities.

### Problems encountered and resources required

More funds are needed to improve the financial support to students, faculty and staff members. In order to fulfill the requirement we need to approach to more funding agencies/Government Organizations/Alumnus for providing financial assistance.

File Description	Document
Best practices in the Institutional web site	<a href="#">View Document</a>

## 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:

**The distinctive mission of the University is: “To achieve excellence in higher technical education and research”**

The university is ISO certified (ISO 21001:2018) for Educational Organizations Management System and ISO 14001:2015 for Environmental Management System. It has been ranked 183 for Engineering by NIRF 2020.

University has lush green plain campus of 338.62 acres with all facilities required for better ecosystem to impart quality education for men and women. The Speedy development in the field of Information & Technology has accelerated the demand for the value-based education in the stream of Engineering, Technology, Management and Sciences, which is qualitative, progressive, and multidimensional in competitive global environment. We provide quality education beyond the four walls of classroom to cope up with the corporate world and to be able to apply the knowledge to benefit society with blend of ethical

values and global perception by developing global leaders who are passionate, committed, and confident to take initiative in the nation building and create a peaceful environment for Work, Worker and Workplace.

To achieve this vision, the following initiatives are in progress:

### **Curricula Syllabi with Multidisciplinary Dynamics**

Every department frames the curricula and syllabi with a multidisciplinary dynamic so that the team of students can get developed in problem solving skills to meet out the need of the industries. The students can register for elective courses offered by other departments through the concept of open elective. Mini projects and major projects are encouraged to be interdisciplinary in nature with a project team consisting of individual as well as group of students. Add on courses like programming and spoken English are also conducted to acquire additional knowledge.

### **Continuous Evaluation System**

University is following a continuous evaluation system since its inception. For each component, the teacher evaluates and shows the answer sheets to all the students within a week of completion of that component. The student has the right to seek a clarification or re-evaluation. The teacher considers all such requests, clarifies, and/or re-evaluates the answers, and shows it to the student. Further redress mechanisms are also available to the student in the form of an examination committee.

**Course Curriculum:** Course curriculum of the UG and PG are updated periodically according to modern challenges and need of the society. Updation and development of course curriculum is done by taking feedback from the various stakeholders such as Students, Teachers, Alumni, Parents, Industry, AICTE guidelines etc. This is required in order to provide quality education and inculcate the modern values and principle in the students. This has led to continuous development in the course structure and syllabus at par with national and international institution of repute.

### **ICT Infrastructure**

University uses ICT infrastructure like, LCD projectors, smart classrooms and internet enabled computer systems in classrooms to enhance the teaching learning process. University has installed a studio, where lectures are recorded to provide video lectures to our students.

### **Organization of Convocation**

We prepare the academic calendar in the beginning of every academic session and adherence to the academic calendar is strictly monitored by the Dean Undergraduate Studies and Dean Post Graduate Studies and Research. The examination is conducted on time every year and our results are declared according to schedule and it is at par with other premier institution of repute like NITs and IITs. We have online management software for the entire requirement related to examination and declaration of examination result. University has “One View Result System” which facilitates to students to see their result of all semesters at a place. We also process all the marksheets on Digilocker NAD and students can access their marksheet through Digilocker NAD. University organizes convocation every year so that students are able to get their degree without any delay.

### **National Education Policy (NEP-2020)**

Preparation for the implementation of National Education Program 2020 (NEP-2020) is in progress and university is going to implement the courses and curriculum according to the guidelines given in NEP-2020 from the academic session-2021-22.

### **Memoranda of Understanding (MoU)**

University has signed various Memorandum of Understanding for collaboration of research, exchange of students, sharing knowledge and research facility. Eight International MoUs and 23 National MoUs are in progress. In addition to this nine MoUs have been completed.

### **Research Outcome**

University is continuously sensitizing and building research ecosystem, for this various national and international conferences are organized every year in addition to short terms courses and workshops. Resource persons of national and international repute are invited for the expert lectures in the short-term courses and workshops. University organizes Malviya Research Conclave (MRC) every year to foster the research environment by having conglomeration of research scholars, academicians, researchers from various industry and institutes. We have established the modern labs and Centre of Excellence for imparting quality education to our students and research labs for research scholars.

University provides scholarship to all the regular Ph.D. students who take admission under teaching cum research fellow scheme. University also provides financial support to the faculty members in form of research initiative grant and provide all computing facilities like laptop, desktop, printer etc to all faculty members. It also provides financial support to become professional body members, to attend/present papers in conferences/workshops and in form of health insurance.

This has led to the increase in the publication of research paper in quality journals like SCI, SCIMago, and UGC Care etc. The citations of the research papers as well as citation of University are increasing day by day. University has been granted with good number of research projects from the various funding agencies. University has awarded 26 Ph.D. since the inception of the university.

<b>File Description</b>	<b>Document</b>
Appropriate web in the Institutional website	<a href="#">View Document</a>

## 5. CONCLUSION

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### **Additional Information :**

University is taking more initiative towards the E-policy of Nation. Some of the good practices followed are display of all notices, circulars on University portal, online registration and reporting of students, online generation of availability of registration list of students to each faculty members, and university providing unique official email address to each student, faculty and staff of University for all types of official communication. Financial support to students for participation in technical events. Complete transparency in evaluation process and answer book of all exam are shown to student before declaration of results and result is declared within 10 days after completing the examination. Regular feedbacks are taken from all stakeholders for continuous improvement of teaching-learning process. Students, faculty, and staff are honoured for their excellence performance at various events. University is looking after the welfare of society and some of the initiatives are literacy program for unskilled labour, educate the childrens of neighbouring area, social awareness, various activities through National Social Service. University is considered as most emerging Institute in India from socially and economically backward area of eastern Uttar Pradesh.

### **Concluding Remarks :**

University is ranked among top 200 in National institutional ranking framework (NIRF) – 2020. University is organizing conferences, workshops, seminars at National and International level. The students bagged various awards at International level and are undergoing for their internship all over the globe. Students of the University consistently performing very well in the competitive examination such as GATE, CAT, UPSC, UPPSC etc. in the academic year 2020-21 students of the University have been there in top 5% of national level GATE examination. University is always striving at all-round development of student by delivering quality education and training.