



# MEMBERS OF UNIVERSITY ADMISSION CELL 2024 (POSTGRADUATE PROGRAMMES)

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VIC	CE CHANCELLOR MESSAGE	2
1.	ABOUT THE UNIVERSITY	
	1.1 Madan Mohan Malaviya University of Technology, Gorakhpur	3
	1.2 Post Graduate Programmes offered by the University	4
	1.3 Highlights	4
2.	ADMISSION DETAILS FOR M.Sc. PROGRAMMES	
	2.1 Mode of Admission	5
	2.2 Details of M.Sc. Programmes with Intake and Tentative Seat Matrix	5
	2.3 Important Instructions	6
	<ul><li>2.4 Eligibility for Admission in M.Sc. Programmes</li><li>2.5 Scholarship &amp; Financial Assistance</li></ul>	8
	<ul><li>2.5 Scholarship &amp; Financial Assistance</li><li>2.6 Fee Details</li></ul>	8
3.	UNIVERSITY RESERVATION CRITERIA	O
3.	3.1 Reservation	9
	3.2 Medical Standards	10
	3.3 Category Definitions	11
4.	REGISTRATION AND COUNSELLING GUIDELINES FOR M.Sc. PROGRAMMES	
••	4.1 Admission to M.Sc. Prorgramme through CUET(PG) 2024	13
	4.2 Admission to M.Sc Programme through MET-2024	15
5.	ACADEMIC DEPARTMENT OFFERS M.SC. PROGRAMMES	
	5.1 Department of Physics and Material Science	18
	5.2 Department of Mathematics and Scientific Computing	18
	5.3 Department of Chemistry & Environmental Science	19
6.	CENTRAL FACILITIES	
	6.1 Information Technology Resources Centre (ITRC)	20
	6.2 Central Library	21
	6.3 Lecture Hall Complex	22
	6.4 Multipurpose Hall (MPH)	22
	6.5 University Health Centre	23
	<ul><li>6.6 Guest House</li><li>6.7 Canteen and Coffee House</li></ul>	24 24
	6.8 Bank, Post Office and ATM	25
	6.9 Transport Facilities	25
7.	TRAINING AND PLACEMENT CELL	25
8.	COUNCIL OF STUDENT ACTIVITIES	27
9.	HOSTEL FACILITY	28
10.		29
	APPENDIX-A: CERTIFICATE FORMAT	31
	APPENDIX-B: UNDERTAKING BY CANDIDATE	42
	APPENDIX-C: SYLLABUS FOR MALAVIYA ENTRANCE TEST (MET)-2024	43
	PROGRAMMES OFFERED IN ACADEMIC SESSION 2024-25 AT A GLANCE	48



# MESSAGE FROM THE VICE CHANCELLOR



I am delighted to welcome you to the postgraduate programs at our university for the academic session 2024-2025. Madan Mohan Malaviya University of Technology Gorakhpur (erstwhile Madan Mohan Malaviya Engineering College Gorakhpur) has a 62-year-old legacy of excellence in education and research. The University has been accredited with the "A" Grade by the National Assessment and Accreditation Council (NAAC). Since its inception, the University has been delivering quality education and great emphasis is laid on a holistic, relevant and a professional approach to education which is in tandem with the industry requirements. The comprehensive curricula of our university have been designed to accommodate the emerging challenges in the field of science, technology, engineering, and mathematics (STEM).

The university currently offers M.Tech program in twelve specializations in addition to MCA, MBA and three M.Sc programs. M.Tech Chemical Engineering has been introduced in this academic session to further strengthen its commitment for promotion of higher education and research in diverse areas. Similarly, M.Tech (VLSI) and M.Tech (Communication Systems) has been restructured keeping in view the National Policy on Electronics (NPE- 2019). All the post graduate programs have been designed to promote emerging domains of knowledge along with traditional programmes and courses. The University encourages creativity, innovation and entrepreneurship among students and faculty. The University has signed several MOUs with various academic and research institution at national and international level to promote research related activities. The University has also made significant research contributions at both national and international levels, through quality research.

In addition to our strong academic programs, we also offer a vibrant campus life to enrich the extracurricular and co-curricular activities through student clubs and societies. University has recently taken several significant steps to create new research facilities and infrastructure for the overall promotion of research and innovation.

I am sure a great future awaits you and becoming a part of MMMUT family will help to shape your academic future through skills, friendship, and everlasting bonds. You will learn life skills that will take you far in the journey of life. I hope that this admission brochure shall provide all the needful information about admission procedures, and other related academic activities. Our community of faculty, staff and students look forward to welcoming you onboard at the Madan Mohan Malaviya University of Technology Gorakhpur.



# 1 ABOUT THE UNIVERSITY

#### 1.1 MADAN MOHAN MALAVIYA UNIVERSITY OF TECHNOLOGY, GORAKHPUR

Madan Mohan Malaviya University of Technology (MMMUT), Gorakhpur, was 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 erstwhile Madan Mohan Malaviya Engineering College, Gorakhpur which was established in 1962. The University has a lush green campus that spreads over a vast area of 354 acres. The University is located on the Gorakhpur-Deoria Road about 9 km away from Gorakhpur Railway Station. Gorakhpur airport is approx. 5 km away from the University. Madan Mohan Malaviya University of Technology (MMMUT), Gorakhpur has been awarded an "A" grade by the National Assessment and Accreditation Council (NAAC). It has become the first state university to get this rank.

University has more than 5500 students in eight B.Tech. programs, i.e., Civil Engineering, Electrical Engineering, Mechanical Engineering, Electronics & Communication Engineering, Electronics & Communication Engineering (IoT), Computer Science & Engineering, Chemical Engineering, and Information Technology, along with B.Pharm., B.B.A., M.B.A., M.C.A. and M.Sc. in Physics, Mathematics, and Chemistry. The university is currently offering M.Tech. in 12 disciplines and full-time/part-time Ph.D. programs in all departments. The university has distinguished alumni serving in various key positions in India and abroad.

#### **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**

- To serve society as a centre 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 Programs 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 relationships with other leading institutes of higher learning and research, alumni, and industries in order to provide significant contributions 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 the community and economy.



#### 1.2 POST-GRADUATE PROGRAMMES OFFERED BY THE UNIVERSITY

The University offers M.Tech, MBA, M.Sc., MCA, and Ph.D. programmes. The University has a total 12 departments offering various programmes as per the following details:

Name of the Department	Name of the Programmes Offered
Civil Engineering (CED)	<ul> <li>M.Tech. (Environmental Engineering)</li> <li>M.Tech. (Seismic Design &amp; Earthquake Engineering)</li> <li>M.Tech. (Structural Engineering)</li> <li>Ph.D.</li> </ul>
Electrical Engineering (EED)	<ul> <li>M.Tech. (Power Electronics &amp; Drives)</li> <li>M.Tech. (Control &amp; Instrumentation)</li> <li>Ph.D.</li> </ul>
Mechanical Engineering (MED)	<ul> <li>M.Tech. (Energy Technology &amp; Management)</li> <li>M.Tech. (Computer Integrated Manufacturing)</li> <li>Ph.D.</li> </ul>
Electronics & Communication Engineering (ECED)	<ul><li>M.Tech. (VLSI)</li><li>M.Tech. (Communication Systems)</li><li>Ph.D.</li></ul>
Computer Science & Engineering (CSED)	<ul><li>M.Tech. (Computer Science &amp; Engineering</li><li>Ph.D.</li></ul>
Department of Chemical Engineering (CHD)	<ul><li>M.Tech (Chemical Engineering)</li><li>Ph.D.</li></ul>
Information Technology & Computer Application (ITCA)	<ul><li>M.Tech. (Information Technology)</li><li>MCA</li><li>Ph.D.</li></ul>
Management Studies (MSD)	<ul><li>MBA</li><li>Ph.D.</li></ul>
Physics & Material Science (PMSD)	<ul><li>M.Sc. (Physics)</li><li>Ph.D.</li></ul>
Chemistry & Environmental Science (CESD)	<ul><li>M.Sc. (Chemistry)</li><li>Ph.D.</li></ul>
Mathematics & Scientific Computing (MSCD)	<ul><li>M.Sc. (Mathematics)</li><li>Ph.D.</li></ul>
Humanities and Social Sciences (HSSD)	<ul><li>Ph.D. in Economics</li><li>Ph.D. in English</li><li>Ph.D. in Psychology</li></ul>

#### 1.3 HIGHLIGHTS

- NAAC "A" accredited university
- Choice Based Credit System
- Emphasis on multidisciplinary approaches to learning and research.



- MoUs with academic and research institutions in India and abroad.
- Alumni in leadership positions in industry and academia
- Financial assistance for research work
- Well-established Training and Placement Cell
- GATE-qualified M.Tech students are permitted to enrol for a year M.Tech +Ph.D dual degree
- Availability of a large number of e-journals and e-books
- Well established incubation cell to support innovation, creativity and intellectual excellence of students

## Z ADMI

# ADMISSION DETAILS FOR M.SC. PROGRAMMES

#### 2.1 MODE OF ADMISSION

The university offers the following two years of M.Sc. programs in the regular mode.

- M.Sc. Physics
- M.Sc. Mathematics
- M.Sc. Chemistry

Admissions in all the above M.Sc. programmes will be completed in 2 phases separately.

- In the first phase applicants with CUET(PG)-2024 will be considered.
- Admission through Malaviya Entrance Test-2024 in all M.Sc programs for the vacant seats. Candidates are required to refer the Appendix-C for detail syllabus of MET-2024.

The merit list will be prepared based on the score card in the Entrance Examination, and the preference will be given in sequence to CUET(PG)-2024, then Malaviya Entrance Test (MET) 2024. The University conducts counselling under the supervision and control of the Admission Cell. It has the authority to conduct the admission process and to decide about the modalities of admissions, allotment of seats, and all matters related to the admissions in the University with the approval of the Vice Chancellor, MMMUT, Gorakhpur.

#### 2.2 DETAILS OF M.SC. PROGRAMMES WITH INTAKE AND SEAT MATRIX

Master of Science (M.Sc.)	Intake
Physics	30
Chemistry	30
Mathematics	30



#### **Tentative Seat Matrix**

	GN	GNOP	GNGL	GNAF	GNFF	GNHC
	13	11	2	0	0	0
S	EWS	EWOP	EWGL	EWAF	EWFF	EWHC
<b>ysi</b> 30	3	3	0	0	0	0
<b>Phy</b> take	ВС	ВСОР	BCGL	BCAF	BCFF	вснс
Sc. Physi	8	7	1	0	0	0
M.Sc. Physics Total Intake 30	SC	SCOP	SCGL	SCAF	SCFF	SCHC
Σ	6	5	1	0	0	0
	ST	STOP	STGL	STAF	STFF	STHC
	0	0	0	0	0	0
	GN	GNOP	GNGL	GNAF	GNFF	GNHC
S	13	11	2	0	0	0
atic	EWS	EWOP	EWGL	EWAF	EWFF	EWHC
M.Sc. Mathematics Total Intake 30	3	3	0	0	0	0
. <b>Mathen</b> Fotal Intake 30	BC	ВСОР	BCGL	BCAF	BCFF	ВСНС
<b>[a</b> ] In	8	7	1	0	0	0
Tota	SC	SCOP	SCGL	SCAF	SCFF	SCHC
S	6	5	1	0	0	0
$\mathbf{Z}$	ST	STOP	STGL	STAF	STFF	STHC
	0	0	0	0	0	0
	GN	GNOP	GNGL	GNAF	GNFF	GNHC
_	13	11	2	0	0	0
try	EWS	EWOP	EWGL	EWAF	EWFF	EWHC
Sc. Chemistry Total Intake 30	3	3	0	0	0	0
<b>1en</b> take	ВС	ВСОР	BCGL	BCAF	BCFF	ВСНС
c. Chemi Total Intake 30	8	7	1	0	0	0
C. Tota	SC	SCOP	SCGL	SCAF	SCFF	SCHC

#### 2.3 IMPORTANT INSTRUCTIONS

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2.3.1 The candidate must himself/herself ensure his/her eligibility to appear in the respective entrance test of a particular Program. If a candidate who is not eligible to appear in the examination does so, he/she will not have any claim whatsoever for admission to any program through the entrance test.

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**STGL** 

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**STHC** 

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2.3.2 Candidates who are yet to appear in the qualifying examination or have appeared but whose results are awaited are also eligible to appear in the entrance test. However, the candidates in respect of whom the



- result of the qualifying examination has not been declared by the date of document verification due to any reason whatsoever, shall not be eligible for admission under any circumstances.
- 2.3.3 Admission to M.Sc. programs is open to the candidates who have passed the qualifying examination from any institution located in the U.P. or whose parents are domiciled in the U.P. subject to the eligibility conditions given in this chapter.
- 2.3.4 For admission to M.Sc. programs, the candidates who have passed the qualifying examination from an institution located outside U.P. and whose parents are NOT domicile of U.P. are also eligible for admission to the M.Sc. program of the university under the General (OPEN) category.
- 2.3.5 For M.Sc., if the candidate has passed the qualifying examination from outside of U.P., he/she has to produce a domicile certificate of his/her parents (father/mother only) at the time of verification of documents, failing which the candidature shall stand canceled.
- 2.3.6 For M.Sc. programs, preference shall be given to the candidates having a domicile of Uttar Pradesh (U.P.), and subsequently, the candidate having a domicile outside U.P. will be treated as General (OPEN) category only and will be considered for seat allotment only if the seat remains vacant.
- 2.3.7 Accepting admission to the University implies acceptance by the candidate and his/her parents or guardians of all the provisions given in this admission brochure and the University rules as applicable. Any change in the rules, regulations, fees, special conditions, etc., of the University shall mutatis mutandis apply to the admitted candidate.
- 2.3.8 Candidates seeking advantage of reserved categories must indicate the same but not enclose any supporting certificates with the application form. The advantage of the horizontal reservation is also applicable to M.Sc programs. The certificates will have to be produced in original at the time of document verification along with one attested copy of each one of them. The proforma of certificates are given at the end of this admission brochure at Appendix-A, these are subject to change even up to the starting date of counseling as per orders of Govt. of Uttar Pradesh/University. Candidates are required to produce the respective certificates supporting their claim for our reservation in the prescribed format only. Unless approved by the University in the proforma, any deviation will deprive the candidate of the benefit being claimed. Note that Certificate 2 for OBC candidates will be valid only when it is issued on or after 01.04.2024 (mandatory due to conditions of creamy layer for OBC).
- 2.3.9 The result of CUET (PG)-2024/MET-2024 for the respective program, as declared by the respective agencies, shall be final. However, the candidate seeking admission to any programme can challenge the evaluation of his/her answers as per the rules prescribed by conducting National Testing Agency (NTA)/ University.
- 2.3.10 If any document/declaration submitted by the candidate is found to be false at any stage, his/her candidature for admission shall be canceled, and he/she will be liable for prosecution under the law. In case of any legal dispute regarding admission, the jurisdiction will be limited to Gorakhpur courts only.
- 2.3.11 If any Board/ University awards only letter grades without providing an equivalent percentage of marks on the grade sheet, the candidate should obtain a certificate from the Board specifying equivalent marks and submit it at the time of document verification. In case, such a certificate is not provided by the candidate, the decision of the University Admission Cell (UAC) regarding his/her eligibility shall be final and binding.
- 2.3.12 For admission in any program, the admit card, result, and all related notifications in connection with CUET (PG)-2024/MET-2024 shall be made available on the respective official websites. For matters related to admissions and counseling of all Programs, the candidates must visit the University's official website, www.mmmut.ac.in, regularly. It is the responsibility of the candidate to visit these websites and be informed about all information relevant to him/her, failing which the University will not be responsible for any loss due to lack of communication.



- 2.3.13 There is no management quota in the university. Admission is made only through counseling as per the procedure given in this brochure.
- 2.3.14 For any queries regarding admission, the contact numbers 8765783798, 9235500507 may be used from 10.00am to 5.00pm only on all days except gazetted holidays, Sundays and from 10.00 am to 1.00 pm on Saturdays. For the queries through e-mail (admission2024@mmmut.ac.in), the reply will be made after 24 hours.
- 2.3.15 The date of reporting for the newly admitted students shall be notified on University website and shall also be informed to the candidate in the admission offer letter during the counselling.

#### 2.4 ELIGIBILITY FOR ADMISSION TO M.SC. PROGRAMME

- 2.4.1 **Eligibility for Admission in M.Sc. Physics :** The candidate should have passed the recognized bachelor's degree in science stream of a minimum of three years duration from any University of India as recognized by UGC. The candidates must have passed the qualifying examination with Physics as a subject for all three years and with mathematics as another subject for at least two years and obtained a minimum of 50% marks (45% in the case of candidates belonging to the SC/ST category) in the qualifying examination.
- 2.4.2 **Eligibility for Admission in M.Sc. Mathematics :** The candidate should have passed the recognized Bachelor's degree in science stream of a minimum of three years duration from any University of India as recognized by UGC. The candidates must have passed the qualifying examination with Mathematics as a subject for all three years and obtained a minimum of 50% marks (45% in the case of candidates belonging to the SC/ST category) in the qualifying examination.
- 2.4.3 Eligibility for Admission in M.Sc. Chemistry: The candidate should have passed the recognized Bachelor's degree in science stream of a minimum of three years duration from any University of India as recognized by UGC. The candidates must have passed the qualifying examination with Chemistry as a subject for all three years and obtained a minimum of 50% marks (45% in the case of candidates belonging to the SC/ST category) in the qualifying examination.

Department	Program	CUET(PG) 2024 Paper Code
Master of	Science (M.Sc.)	
Physics and Material Science (PMSD)	M.Sc. (Physics)	SCQP24
Mathematics and Scientific Computing (MSCD)	M.Sc. (Mathematics)	SCQP19
Chemistry and Environmental Science (CESD)	M.Sc. (Chemistry)	SCQP08

#### 2.5 SCHOLARSHIPS AND FINANCIAL ASSISTANCE

- Malaviya Chhatra Kalyan Nidhi (MCKN)
  - Compensation in the event of an accident resulting in permanent/total/partial disability of the student.
  - In case of their parent's demise, complete university fee remittance to the student to continue study. For more information please visit: http://www.mmmut.ac.in/pdf/Chhatra\_Kalyan\_Nidhi\_Rules\_\_FINAL\_.pdf
- Students are liable to get the social scholarship the UP Govt provides as per candidature validity.

#### 2.6 FEE DETAILS

The fee structure for the academic sessions 2024-25 will be displayed on the website before final counselling.



# 3

## UNIVERSITY RESERVATION CRITERIA

Candidates seeking admission to different Programs are advised to read the reservation rules carefully before filling out their application form for counseling.

#### 3.1 RESERVATION

a. Vertical Reservation (Category):

S.No.	Category	Percentage of Reservation
(a)	Scheduled Caste of U.P.	21%
(b)	Scheduled Tribe of U.P.	2%
(c)	Other Backward Classes of U.P.	27%
(d)	Economically Weaker Section of U.P.	10%

b. Horizontal Reservation (Sub-category in each vertical reservation category):

S.No.	<b>Sub-Category</b>	Code	Maximum Percentage of Total Seats*
(a)	Dependents of Freedom Fighters from U.P.	UPFF	2%
(b)	Sons/Daughters of 'defence personnel of U.P. either retired (superannuated) or killed/disabled in action'or 'defence personnel posted in U.P.'	UPAF	5%
(c)	Handicapped/Disabled of U.P.	UPHC	5%
(d)	Girls of U.P.	UPGL	20%

<sup>\*</sup> Subject to change as per latest instructions of Govt. of U.P. till the date of counselling.

- c. The candidates can claim only one type of horizontal reservation out of UPFF/UPAF/UPHC. However, the female candidates can also claim for any one of UPFF/UPAF/UPHC along with UPGL.
- d. The change of category/sub-category filled in Online submission shall not be entertained under any circumstances.
- e. Category/sub-category must be supported by the relevant certificates as per proforma given in Appendix-B to be produced at the time of document verification in counseling, failing which the candidates will not get the advantage of respective category/sub-category.
- f. The advantage of horizontal reservation in the Armed force sub-category is available to sons/daughters of 'defense personnel of U.P. either retired (superannuated) or martyred/disabled in action and the dependents settled in U.P.' or 'the defense personnel posted in U.P.' on the date of entrance test.
- g. Certificates 4, 5, and 6 in Appendix A are required at the time of document verification for claiming reservations in subcategories mentioned in sections 3.1 (b).
- h. Please note that the benefit of the UPGL subcategory will automatically be given to all female candidates.
- i. As per Guidelines from the Ministry of Defence, the order of priorities for reservation or preferences to the wards of Armed Forces Personnel by States/UTs/Central/State Universities/Autonomous. Institutions for admission in Medical/ Professional/ Non-professional Programs will be as follows:



Priority I	Widows/Wards of Defence personnel killed in action.		
Priority II	Wards of disabled in action and boarded out from service.		
Priority III	Wards of disabled in service and boarded out with disability attributable to military service.		
Priority IV	Wards of disabled in service and boarded out with disability attributable to military service.		
Priority V	Wards of Ex-Servicemen and serving personnel who are in receipt of Gallantry Awards:		
	i. Param Vir Chakra ii. Ashok Chakra iii. Sarvottam Yudh Seva Medal		
	iv. Maha Vir Chakra v. Kirti Chakra vi. Uttam Yudh Seva Medal		
	vii. Vir Chakra viii. Shaurya Chakra ix. Yudh Seva Medal		
	x. Sena, Nau Sena, Vayu Sena Medal xi. Mention-in-Dispatches.		
Priority VI	Wards of Ex-Servicemen.		
Priority VII	Wives of:		
-	i. defence personnel disabled in action and boarded out from service.		
	ii. defence personnel disabled in service and boarded out with disability attributable to military service.		
	iii. ex-Servicemen and serving personnel who are in receipt of Gallantry Awards.		
Priority VIII	Wards of Serving Personnel.		
Priority IX	Wives of Serving Personnel.		

#### 3.2 MEDICAL STANDARDS

- a. Candidates must submit a certificate of medical fitness/handicap on Certificate 8 in **Appendix A** at the time of document verification.
- b. The medical standards prescribed are as given below:

#### **Medical Standards Applicable:**

Height	
Weight	Candidate should be Physically fit to pursue his/her studies in the opted Program.
Chest Measurement	
Heart and lungs	No abnormality
Hernia, hydrocele, piles etc.	The presence of any of these is to be essentially corrected before joining.
Vision	Normal. If defective, it must be corrected to $6/9$ in the better eye and $6/12$ in the worse one. Eyes should be free from congenital or any other disease.
Hearing	Normal. If defective, it must be corrected before joining.
*Physically handicapped/disabled	The candidate having any one type of physical handicap/disability is given below.

#### \*Divyangjan/differently abled person (earlier known as disabled of U.P.)

Type – I	Minimum 40% Permanent Visual Impairment		
Type – II	Minimum 40% Permanent Locomotors Disability		
Type – III	Minimum 40% Permanent Speech and Hearing Impairment		



### 3.3 CATEGORY DEFINITIONS

S.No	Details	Code
a.	Candidates, who have passed the qualifying examination from an institution located in the State of Uttar Pradesh and who do not claim for any reserved category are eligible for admission to all the Programs in the University against available General (OPEN) seats (No certificate required).	UPGE
ъ.	Candidates, who have passed the qualifying examination from an institution located in U.P. and are domicile of U.P.; and belong to Schedule Caste (SC) of U.P./Schedule Tribe (ST) of U.P./Other Backward Classes of U.P./Economically Weaker Section (EWS) of U.P. are eligible for admission against available reserved seats of their respective category. Certificate 1 or 2 or 13A and 13B in Appendix A as applicable is required. List of SC, ST and OBC castes as per SC/ST Act 1976 and Government Order 4/1/2001-TC/Ka-2/2002 dt. 19/09/2002 and as provided by concerned U.P. Govt. department.	UPSC/ UPST/ UPBC/ UPGEEWS
c.	Candidates, who have passed the qualifying examination from an institution located outside U.P. and whose parents are domicile of U.P.; and who have not claimed for any reserved category, are also eligible for admission to Programs offered in the University under General (OPEN) category. Such candidate has to produce the domicile certificate of his/her parents (father/mother only) at the time of counselling (Certificate 3 in Appendix-A)	UPGD
d.	Candidates, who have passed the qualifying examination from an institution located outside U.P.; and whose parents are domicile of U.P.; and who belong to Schedule Caste of U.P./Schedule Tribe of U.P./Other Backward classes of U.P. /Economically Weaker Section (EWS) of U.P. are also eligible for admission against reserved seats of their category. Such candidate has to produce the domicile certificate of his/her parents (Father/Mother only) (Certificate 3 in appendix A) and category certificate (Certificate 1 or 2 or 13A and 13B as applicable) at the time of counselling. List of SC, ST and OBC castes as per SC/ST Act 1976 and Government Order 4/1/2001-TC/Ka-2/2002 dt. 19/09/2002 and as provided by concerned U.P. Govt. department.	GDSC/ GDST/ GDBC/ UPGDEWS
e.	<ul> <li>The domicile requirement to son/daughter of following is relaxed and admission is permitted to such:</li> <li>i. Defence personnel settled in U.P. on the date of Admission Test after retirement/being disabled in action or defence personnel killed in action and the dependents settled in U.P. on the date of entrance test. Certificate 5 Appendix-A is required.</li> <li>ii. Defence personnel who are not domicile of U.P. but are posted in U.P. on the date of entrance test. Certificate 5 in Appendix-A is required.</li> <li>iii. Employee of All India services belonging to U.P. cadre. Certificate 10 in Appendix-A is required. GDDA candidates will be considered as UPGD category for all other benefits.</li> <li>GDDA candidates will be considered as UPGD category for all other benefits.</li> </ul>	GDDA
f.	For Admission to M. Tech./MCA/MBA/M.Sc. programs, the candidates, who have passed the qualifying examination from an institution located outside U.P. and whose parents are not domicile of U.P. are also eligible for admission to M. Tech./MCA/MBA/M.Sc. Programs offered in the University under the General (OPEN) category. (no certificate required).	OSGE

Abbreviation of allotted Category	Category	Subcategory
GNOP	General (OPEN) Open for all candidates of Home State (Uttar Pradesh)	<u> </u>
GNGL	General	Girls of U.P.
GNAF	General	Sons/Daughters of defence personnel of U.P. either retired (superannuated) or killed/disabled in action or defence personnel posted in U.P.'



Abbreviation of allotted Category	Category	Subcategory
GNFF	General	Dependents of Freedom Fighters from U.P.
GNHC	General	Divyangjan/differently-abled persons of U.P.
EWOP	Economically Weaker Section of U.P.	
EWGL	Economically Weaker Section of U.P.	Girls of U.P.
EWAF	Economically Weaker Section of U.P.	Sons/Daughters of defence personnel of U.P. either retired (superannuated) or killed/disabled in action or defence personnel posted in U.P.'
EWFF	Economically Weaker Section of U.P.	Dependents of Freedom Fighters from U.P.
EWHC	Economically Weaker Section of U.P.	Divyangjan/differently-abled persons of U.P.
ВСОР	Other Backward Classes of U.P.	
BCGL	Other Backward Classes of U.P.	Girls of U.P.
BCAF	Other Backward Classes of U.P.	Sons/Daughters of defence personnel of U.P. either retired (superannuated) or killed/disabled in action or defence personnel posted in U.P.'
BCFF	Other Backward Classes of U.P.	Dependents of Freedom Fighters from U.P.
ВСНС	Other Backward Classes of U.P.	Divyangjan/differently-abled persons of U.P.
SCOP	Scheduled Caste of U.P.	
SCGL	Scheduled Caste of U.P.	Girls of U.P.
SCAF	Scheduled Caste of U.P.	Sons/Daughters of defence personnel of U.P. either retired (superannuated) or killed/disabled in action or defence personnel posted in U.P.'
SCFF	Scheduled Caste of U.P.	Dependents of Freedom Fighters from U.P.
SCHC	Scheduled Caste of U.P.	Divyangjan/differently-abled persons of U.P.
STOP	Scheduled Tribe of U.P.	
STGL	Scheduled Tribe of U.P.	Girls of U.P.
STAF	Scheduled Tribe of U.P.	Sons/Daughters of defence personnel of U.P. either retired (superannuated) or killed/disabled in action or defence personnel posted in U.P.'
STFF	Scheduled Tribe of U.P.	Dependents of Freedom Fighters from U.P.
STHC	Scheduled Tribe of U.P.	Divyangjan/differently-abled persons of U.P.
OP	OPEN (Open for all candidates of Other State (Other than Uttar Pradesh))	

Proforma of various certificates is available in **Appendix A.** In the case of the online category/reservation certificates, the advantage of the reserved category shall be provided subject to their online validation through the respective statutory websites, failing which such candidates will not be entitled to the advantage of the reserve category, and will be treated in the general category. In case of the candidates who do not submit the proper category/reservation certificate in the prescribed proforma at the time of document verification, the advantage of reserved category shall not be provided to them, and they will be treated in the General Category.





### REGISTRATION AND COUNSELLING GUIDELINES FOR M.SC. PROGRAMMES

#### 4.1 ADMISSION TO M.SC. PROGRAMME THROUGH CUET(PG) 2024

Candidates with a valid JAM 2024/CUET(PG) 2024 score should apply online for admission to the MSc programs as follows.

#### **Step 1: Online Registration**

All candidates with valid CUET(PG) 2024 scores fulfilling the eligibility criteria for MSc as mentioned in Admission Brochure 2024 for PG courses are required to apply online through the university website https://mmmutadm.samarth.edu.in/2024/.Students are required to create their login using a valid email ID and password.

#### **Instructions for filling Online Applications Form**

- Candidates must complete the registration form with the correct information.
- Candidates are advised to read the guidelines carefully and check their eligibility and applicable reservation category, subcategory, gender, etc. before filling out and submitting the online registration form. The university shall not be responsible for any mistake made by the candidates in filling out the online application form.
- Scan copies of the original documents must be uploaded per the registration form requirement.
- Candidates must fill in their choice for specialization (as applicable) during online registration. Candidates who do not fill any choices will not be considered for seat allotment. His/her registration fee will also not be refunded.
- There is no provision to change/modify the given choices at any stage of the counselling.
- The candidates whose results of the qualifying examination are awaited due to any reason whatsoever shall have to submit an undertaking (Appendix B) that they will produce/submit their original documents on or before August 31, 2024. Failing which, admission of the candidate will be canceled, and the fee deposited will be forfeited.
- If the candidate's personal data is found incorrect at the time of document verification or at any later stage, the seat allotment/admission is liable to be cancelled.

Following Steps are given below:

Step#	Steps	Description of Steps			
1.	Open Applicant Registration Page	The candidate should fill up the On-line application form any place through Internet by login on to https://mmmutadm.samarth.edu.in/2024/as per the detailed procedure given on the website.			
2.	New Registration	Applicant must create an account by clicking on <b>New Registration Button</b> and filling <b>Registration form</b> followed by verification of email.  Note: Please remember Email Id. OTP is sent to your Registered Email Id for verification purpose.			
3.	Login	Applicant must enter Registered Email ID and Password to login to view dashboard. Three Steps are there to complete your form.			
		STEP 1 STEP 2 STEP 3			
		Complete Profile	Apply in Programme	Pay Registration Fees & Submit the Application	



Step#	Steps	Description of Steps	
4.	Profile	Applicant must create his profile (by clicking on <b>Profile Button</b> ) carefully by filling all the required information. Please note that no modification shall be allowed after final submission of profile.	
5.	Select Programme	Applicant must carefully fill information required in following sections (by clicking on Select Programme Button):  • Programme Selection • Personal Details • Other Details • Uploads • Preview	
6.	Payments	Payments (Applicant must pay the registration fee (by clicking on Payment Gateway Button at bottom) to finally submit the application form and note down Order number/Transaction ID etc. mandatorily while making payment) after verifying all details by checking all confirmation checkboxes as per filled information.	
		<ul> <li>The candidate has to deposit the application fee (<i>Rs. 2500/-</i> online as per the provisions made in online form. The application fee is non-refundable.</li> <li>The online fee payment can be made through available online mode only. Additional bank charges will be applicable as per the rules of the respective bank depending upon the transaction mode used and are to be paid by the candidates themselves. The confirmation page will be generated only after making the online fee payment successfully.</li> <li>In case the fee amount has been debited from candidate's bank account and On-line application website does not acknowledge any fee payment then the candidate should make the payment again till it is not reflected on the University's On-line application website. Candidate should contact the concerned bank for the difficulty faced by him/her. University will not be responsible for any inconvenience caused due to this. No extra time shall be permissible for any such failure.</li> <li>Applicants must download Print Registration Slip (by clicking on Payments Button).</li> </ul>	
7.	Print Form	On completion of the online application form, the candidates are requested to take the print of the application form and preserve it for future use as they shall submit the duly signed copy of application form at the time of document verification.	
		Please note that don't send the hard copy of Application form to University.	

#### **Step 2: Document Verification**

All relevant and original documents will be verified within the stipulated time in offline mode at MMMUT Gorakhpur. Candidates are required to keep one set of self-attested copies of the required documents. If documents are found in order, then after document verification the candidates will be allowed to participate in the counselling process.

#### **Step 3: Merit List and Seat Allotment**

The seat allotment of the candidates would be processed centrally, and results will be announced on counselling portal.

#### **Merit List Preparation**

The Merit List will be prepared by using score obtained by candidates in the respective Test Papers. If there is a tie in the score obtained by two or more candidates, the order of merit for such candidates shall be decided in the following order.

a. **Rank determination by age of the candidate.** If one candidate is older than another, then the older candidate will have a higher rank compared to the younger candidate.



b. **Rank determination by Counselling Registration ID provided to candidates by MMMUT.** Candidate having lesser Registration ID will have a higher rank compared to higher Registration ID.

#### **Step 4: Deposition of Confirmation Fee/Full Fee**

In the case of seat allotment, the candidate is required to print out the provisional allotment letter from their login. There is no provision for sending the allotment letter individually to the candidate by post.

Candidates are required to pay the Confirmation fee/Full fee as notified by the University later online using the payment gateway services within the stipulated time mentioned in the allotment letter. Failing this, the provisional admission offered to the candidate will be cancelled, and the offered seat will be allotted to another candidate as per merit. The candidature of such candidate shall not be considered in any subsequent round of seat allotment except spot counselling.

#### **Step 5: Deposition of remaining University Fee**

Candidates are required to deposit their remaining university fees (if any) after deducting the confirmation fee before registration/reporting for the academic session 2024-25.

#### **Step 6: Physical Document Verification at the University**

After provisional admission, all relevant and original documents will be verified at the time of physical reporting at the university, along with one set of self-attested copies of the required documents. Failing which, the provisional admission offered will be cancelled, and the University fee will be forfeited.

**Note:** If the candidate's personal data is found incorrect during the verification of certificates, either at the time of reporting or at any later stage, the allotment of seat/ admission is liable to be cancelled, and his/her university fee will be forfeited.

#### 4.2 ADMISSION TO M.SC. PROGRAMME THROUGH MET-2024

All registered candidates without CUET (PG) 2024 score are required to appear in the Malaviya Entrance Test (MET)-2024 for admission to various M.Sc. Programme for the session 2024-25. For any clarification regarding eligibility, category, subcategory, etc., for admission at MMMUT, Gorakhpur, please refer to the Postgraduate Admission Information Brochure-2024 for M.Sc. programme.

#### **Step 1: Online Registration**

All candidates fulfilling the eligibility criteria for admission to M.Sc programs mentioned in Admission Brochure 2024 for PG courses must apply online through the website https://mmmutadm.samarth.edu.in/2024/. Students are required to create their login using a valid email id and password.

#### **Instructions for filling Online Applications Form**

- Candidates must complete the registration form with the correct information.
- Candidates are advised to read the guidelines carefully and check their eligibility and applicable reservation category, subcategory, gender, etc. before filling out and submitting the online registration form. The university shall not be responsible for any mistake made by the candidates in filling out the online application form.
- Scan copies of the original documents must be uploaded per the registration form requirement.
- Candidates must fill in their choice for specialization (as applicable) during online registration. Candidates
  who do not fill any choices will not be considered for seat allotment. His/her registration fee will also not be
  refunded.



- There is no provision to change/modify the given choices at any stage of the counselling.
- The candidates whose results of the qualifying examination are awaited due to any reason whatsoever shall have to submit an undertaking (**Appendix B**) that they will produce/submit their original documents on or before August 31, 2024. Failing which, admission of the candidate will be canceled, and the fee deposited will be forfeited
- If the candidate's personal data is found incorrect at the time of document verification or at any later stage, the seat allotment/admission is liable to be cancelled.

Following Steps are given below:

Step#	Steps	Description of Steps		
8.	Open Applicant Registration Page	The candidate should fill up the On-line application form any place through Internet by login on to https://mmmutadm.samarth.edu.in/2024/ as per the detailed procedure given on the website.		
9.	New Registration	Applicant must create an account by clicking on <b>New Registration Button</b> and filling <b>Registration form</b> followed by verification of email.  Note: Please remember Email Id. OTP is sent to your Registered Email Id for verification purpose.		
10.	Login	Applicant must enter Register Steps are there to complete you	ed Email ID and Password to lour form.	ogin to view dashboard. Three
		STEP 1	STEP 2	STEP 3
		Complete Profile	Apply in Programme	Pay Registration Fees & Submit the Application
11.	Profile	Applicant must create his profile (by clicking on <b>Profile Button</b> ) carefully by filling all the required information. Please note that no modification shall be allowed after final submission of profile.		
12.	Select Programme	Applicant must carefully fill information required in following sections (by clicking on Select Programme Button):  o Programme Selection o Personal Details o Other Details o Uploads o Preview		
13.	Payments	<ul> <li>Other Details</li> <li>Opposite Supposition of Preview</li> <li>Payments (Applicant must pay the registration fee (by clicking on Payment Gateway Button at bottom) to finally submit the application form and note down Order number/Transaction ID etc. mandatorily while making payment) after verifying all details by checking all confirmation checkboxes as per filled information.</li> <li>The candidate has to deposit the application fee (Rs. 2500/- online as per the provisions made in online form. The application fee is non-refundable.</li> <li>The online fee payment can be made through available online mode only. Additional bank charges will be applicable as per the rules of the respective bank depending upon the transaction mode used and are to be paid by the candidates themselves. The confirmation page will be generated only after making the online fee payment successfully.</li> <li>In case the fee amount has been debited from candidate's bank account and On-line application website does not acknowledge any fee payment then the candidate should make the payment again till it is not reflected on the University's On-line application website. Candidate should contact the concerned bank for the difficulty faced by him/her. University will not be responsible for any inconvenience caused due to this. No extra time shall be permissible for any such failure.</li> <li>Applicants must download Print Registration Slip (by clicking on Payments Button).</li> </ul>		



Step#	Steps	Description of Steps
7.	Print Form	On completion of the online application form, the candidates are requested to take the print of the application form and preserve it for future use as they shall submit the duly signed copy of application form at the time of document verification.
		Please note that don't send the had copy of Application form to University.
8.	Download Admit Card	Eligible Applicant can download their admit card from same dashboard.

#### Step 2: Appear in MET 2024

All registered candidates without CUET (PG) 2024 score must appear in the MET 2024 examination to be organized by the University in offline mode tentatively on July 13, 2024, at Madan Mohan Malaviya University of Technology, Gorakhpur. The MET 2024 examination will consist of 100 questions of two and a half hours duration. The detailed syllabus of MET 2024 is given in **Appendix C.** 

#### **Step 3: Document Verification**

All relevant and original documents will be verified within the stipulated time in offline mode at MMMUT Gorakhpur. Candidates are required to keep one set of self-attested copies of the required documents. If documents are found in order, then after document verification the candidates will be allowed to participate in the counselling process.

#### **Step 4: Merit List and Seat Allotment**

The seat allotment of the candidates would be processed centrally, and results will be announced on counselling portal.

#### **Merit List Preparation**

The Merit List will be prepared by using score obtained by candidates in the respective Test Papers. If there is a tie in the score obtained by two or more candidates, the order of merit for such candidates shall be decided in the following order.

- a) **Rank determination by age of the candidate.** If one candidate is older than another, then the older candidate will have a higher rank compared to the younger candidate.
- b) Rank determination by Counselling Registration ID provided to candidates by MMMUT. Candidate having lesser Registration ID will have a higher rank compared to higher Registration ID.

#### **Step 5: Deposition of Confirmation Fee/Full Fee**

In the case of seat allotment, the candidate is required to print out the provisional allotment letter from their login. There is no provision for sending the allotment letter individually to the candidate by post.

Candidates are required to pay the Confirmation fee/Full fee as notified by the University later online using the payment gateway services within the stipulated time mentioned in the allotment letter. Failing this, the provisional admission offered to the candidate will be cancelled, and the offered seat will be allotted to another candidate as per merit. The candidature of such candidate shall not be considered in any subsequent round of seat allotment except spot counselling.

#### **Step 6: Deposition of remaining University Fee**

Candidates are required to deposit their remaining university fees (if any) after deducting the confirmation fee before registration/reporting for the academic session 2024-25.

#### Step 7: Physical Document Verification at the University

After provisional admission, all relevant and original documents will be verified at the time of physical reporting at the university, along with one set of self-attested copies of the required documents. Failing which, the provisional admission offered will be cancelled, and the University fee will be forfeited.

**Note:** If the candidate's personal data is found incorrect during the verification of certificates, either at the time of reporting or at any later stage, the allotment of seat/ admission is liable to be cancelled, and his/her university fee will be forfeited.





## ACADEMIC DEPARTMENTS OFFERING M.SC. PROGRAMMES

#### 5.1 DEPARTMENT OF PHYSICS AND MATERIAL SCIENCE

The Department of Physics and Material Science started in 2019. It was the constituent part of the Department of Applied Sciences, established in 1962. The objective of the present department is to impart teaching and promote the implementation of practical aspects related to Physics and Material Science to build a solid foundation as part of Engineering Education. Apart from this, the department is also dedicated to promoting science education in higher studies through the postgraduate course in physics running in the department. The Department also promotes teaching and research in new and emerging areas. It encourages the academic interaction between faculty members and students for research and development at national and international levels. The department has started an M.Sc. in Physics specializing in electronics from the session 2018-19. The Department has well-equipped laboratories for undergraduate and postgraduate students, and research scholars pursuing their Ph.D. degrees. The department is backed by well-educated, talented, and dedicated faculty members to fulfill the objectives of the department. The Department has the following listed laboratories with internet facilities:

- Physics Laboratory-I
- Solid State Physics Laboratory
- © Condensed Matter Physics Laboratory
- Analog and Digital Communication Laboratory
- 7 miorphous Semiconauctor research Europatory
- Physics Laboratory -II
- Electronic Devices and Circuit Laboratory
- Spectroscopy and Laser Laboratory
- Optoelectronics and Optical Communication Laboratory
- © Computational Condensed Matter Physics Research Laboratory

#### Labs of Physics & Material Science Department



#### 5.2 DEPARTMENT OF MATHEMATICS AND SCIENTIFIC COMPUTING

The Department of Mathematics and Scientific Computing attained its present status as an independent department on June 22, 2019. Prior to this, the department was a constituent part of the Applied Science Department, established in 1962. The courses offered by the department are-

- M.Sc. Mathematics (Specialization in Computing).
- Ph.D. in Mathematics.

Besides this, the department also offers various courses in Mathematics to Undergraduate and Postgraduate students of different Engineering, Science, and Management Departments of the university. The department's faculty members have expertise across areas of pure and applied mathematics with major research areas such as Modern



Algebra, Ring Theory, Operations Research, Inventory Control, Graph Theory, Numerical Analysis, Differential Equations, Special Functions, and Mathematical Modelling.

The ongoing Research Projects of the department are:

S.No.	Principal Investigator	Title of Project	Funding Agency	Amount (in Lakhs)	Duration
1.	Dr. Harish Chandra	Study of Derived Length and Nilpotency Class of Group Algebras	SERB, New Delhi	05.46	2017-2020
2.	Dr. Amit Kumar Barnwal	A class of nonlocal doubly singular boundary value problems with Riemann Stieltjes integral type boundary conditions	DST-SERB, New Delhi	18.74	2017-2021

#### **Advanced Computational Laboratory**

#### **Salient Features**

- 1. Our computational lab has 20 desktop computers (8th gen Core i7 and Core 2 Quad processor).
- 2. Advanced configurations and the latest software of Maple, Latex, Mathematica, MATLAB, etc support all the PCs.

#### Labs of Mathematics & Scientific Computing Department



#### 5.3 DEPARTMENT OF CHEMISTRY & ENVIRONMENTAL SCIENCE

Department of Chemistry & Environmental Science is the new emerging academic department of MMMUT, Gorakhpur. The department was established on June 22, 2019. The Department is committed to fostering a respectful workplace culture and strives to cultivate a safe, inclusive, and fair environment where staff, faculty, researchers, and students can thrive as they advance new chemical frontiers through research, innovation, collaboration, and scholarship. As the nascent upcoming department, the pivotal focus is to cater to the academic and research requirements of budding engineers and basic science researchers. Its vision is to become a leading university department by conducting quality research in the area of Chemical Science and Environmental Science and offering solutions to the problems of organic, inorganic, physical, industrial, and analytical chemistry and also solving ecological and environmental problems under the guidance of a highly qualified academic team. Apart from imparting quality education to various graduation courses, the department offers Ph.D. in Chemistry as well. The Department of Chemistry & Environmental Science uniquely addresses some of today's most pressing environmental and chemical problems. Additional opportunities for joint research are available with our colleagues at the premier Indian Institute of the Department of Chemistry, Indian Institute of Technology, New Delhi, and the



International Institute at the Korea Research Institute of Chemical Technology, South Korea. The department's research is supported by grants and contracts from government sources, with principal strengths in the areas of polymeric materials, artificial photosynthesis, molecular modelling, and environmental analysis. The department has the following full-fledged laboratories equipped with internet facilities.

#### Labs of Chemistry & Environmental Science Department







#### 6.1 INFORMATION TECHNOLOGY RESOURCES CENTRE (ITRC)

Information Technology Resource Centre (ITRC) was established in 2005 under world bank programme (TEQIP-I) and is unique of its kind among all state engineering universities/colleges of U.P. The objective of the center 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 almost entire campus is being managed from this center. It remains open for 24 hours and is equipped with advanced computer networking hardware and software tools. Having around 300 computers arranged in its different labs, 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.

#### Facilities available at/through ITRC

- 210 no. of computers and 8 no. of high-end servers (5 HP and 3 Blade).
- Power backup with 12 no. of 10 KVA UPS, one 5 KVA UPS and one 10 KVA generator.
- Various design and training software tools for students and faculty members.
- Aryabhatta Seminar Hall with state of art facilities of Virtual Class for effective learning.
- Three design labs with advanced software/hardware computing resources to cater to the needs of PG and



- Research students having total 70 computers.
- Three general computing labs with 100 no. of computers for UG students.
- One research lab exclusively for Ph.D. students with 40 computers.
- Provides internet connectivity through OFC (of about 5 kms) to academic buildings, hostels and faculty/staff residences thus covering almost entire campus.
- Provides additional Wi-Fi connectivity in all major university buildings and their surroundings.
- Provides connectivity to Biometric attendance devices installed in various departments and sections for online attendance.
- Manages the K-YAN and P.A. Systems installed in classrooms to support the effective teaching and learning.
- Manages Security system through CCTV Cameras installed at prime locations of the University.
- Manages computerized Gate Pass installed at university gate to further enhance the security.
- Stablishment of two new Virtual Classroom is under process under the supervision of ITRC.

#### **6.2 CENTRAL LIBRARY**

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. It has a wide collection of Books, E-books, and E-journals. Total number of books including bound journals and ISI Code is 1, 16, 359 (One lakh sixteen thousand three hundred and fifty-nine).





#### **Special features:**

- e Equipped with Wi-Fi facility and CCTV surveillance.
- Availability of OPAC (Online Public Access Catalogue).
- Air-Conditioned E-Library cum Reading Room.
- Automated issue and return of books.
- Air-conditioned Reading Room.

#### **Books:**

S.No.	Books in different sections	No. of Books
1.	General Section	53465
2.	Book Bank Section	28476
3.	Reference Section	8758
4.	Reserve Book Bank Section	8564
5.	M.B.A. Book Bank Section	1911



#### E-Books:

S.No.	Publishers	No. of E-Books
1.	Springer	885
2.	Pearson	559
3.	Wiley	138

#### **E-Journals**:

S.No.	Journals	No. of Titles
1.	IEEE	170
2.	ASCE	28
3.	ASME	35
4.	Springer	1700

#### **6.3 LECTURE HALL COMPLEX**

There are 03 lecture complexes with well-equipped modern facilities;

- The Pushpagiri Lecture Hall complex has 14 smart classrooms.
- Takshila Lecture Hall complex has 14 smart classrooms.
- © 06 Lecture Halls and 02 drawing halls.

Besides these, there are departmental lecture classes equipped with modern facilities and seminar hall/conference hall for different academic purposes.





#### 6.4 MULTIPURPOSE HALL (MPH)

The air-conditioned Multipurpose Hall with a capacity of about 700 audience is used for various purposes like convocation, alumni meet, cultural fest, and indoor games.





#### 6.5 UNIVERSITY HEALTH CENTRE

The mission of the MMMUT Health Centre is to provide students with quality primary health care and education about healthy lifestyles. This Health Centre provides a full range of primary care, treatment, and referral services, as well as related health education programs. All programs and services are aimed at maintaining the physical and emotional well-being of university students.

The Health Centre is located in front of the University Cafeteria. This well-equipped facility provides medical treatment and office consultation space for a variety of outpatient services. This Health Centre provides a variety of services as elaborated below:

#### **Medical Clinic**

The Outpatient/General Medical Clinic is staffed by physicians and nurses. Appointments may be made with a physician or nurse practitioner; walk-in patients are evaluated by nurses. Minor surgical procedures may be performed after evaluation by a physician. Proper dressing is performed afterward. Serious medical conditions and emergencies are given priority in all cases. Emergencies may be referred to the District Hospital/ Medical College or any other area hospitals as warranted.

#### Women's Health

The Women's Health care is provided by all-female staff including a gynecologist and a registered nurse staff with training and experience in gynecology.

#### **Services**

Treatment of women's health issues including routine gynecological examination.

#### Men's Health

A full range of health services for male students is available through this Health Centre.

#### **Sports Medicine**

Medical services in support of the University Athletic Program are provided by an athletic medicine physician-nurse team. The services are offered in Sports Injuries as and when required.

#### **Services:**

The services provided concerning sports injuries include primary care both in and out-of-season, physiotherapy, pre-competition physical examinations, and non-operative orthopedics relating to sports injuries.



To achieve the services mentioned on the previous page, this Health Centre is well equipped with the following human resources and infrastructure:



#### **Doctors**

#### **Allopathic Doctors:**

- 1. Dr. A.K Pandey, MBBS, PGDMCH, M. MED (Family medicine)
- 2. Dr. Reena Banka, MBBS, DGO

#### **Homeopathic Doctor:**

1. Dr. Vijay Shankar Singh, BMS

#### Staff:

- 1. Sri Devendra Kumar Pandey, BPT (Physiotherapist)
- 2. Ms. Prem Tara (Nurse)
- 3. Ms. Geeta (Nurse)

#### Infrastructure/Facilities:

- A well-equipped doctor's cabin.
- All desired medicines.
- Four Beds for emergency.
- An up-to-date dressing rooms.
- A well-equipped physiotherapy center.
- An ambulance; round-the-clock availability.

#### 6.6 GUEST HOUSE

The University has a Guest House which has a total of six double-bed well-furnished AC rooms. The Guest House facility is available to the external examiners, special invitees/guests of the University as well as to the parents of the students. Prior booking of these rooms can be made by contacting the officer-In charge guest house. The different type of room for stay in the Guest house will be as follows:

Parents of Students

Guest of Staff Members

For others

Alumni

 Official Guests (Members of BOM/Academic Council/Court/Finance Committee/Examination Committee/ Examiners and Experts)

#### 6.7 CANTEEN AND COFFEE HOUSE

The University has one air-conditioned Cafeteria and a Coffee Day outlet, which offers a very good canteen facility at an affordable price on the campus. It also has a University Canteen near the boy's hostel which remains operational round the clock.









#### 6.8 BANK, POST OFFICE AND ATM

- Fully computerized branch of State Bank of India.
- Two ATMs and Post-Office facility inside the campus



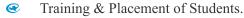
#### **6.9 TRANSPORT FACILITIES**

Four University buses are available for day scholars to commute to the University and for hostellers to the city of Gorakhpur or any other nearby place. Apart from buses, the University has one mini-bus and two staff cars. Also, 02 Battery driven Auto-Rickshaws are available for the hostellers to commute from the University gate to their respective hostels.



# TRAINING AND PLACEMENT CELL

The basic function of the Training & Placement Cell is to search for opportunities for graduate and post-graduate students at the University in various reputed organizations and industries. The Training & Placement Cell is engaged throughout the year in interactions for building up relations among universities and various reputed industries/organizations. The Cell works as a hub for the following services:



Student Counselling & Career Guidance.



The Cell organizes the training and campus recruitment programs for students of all disciplines practical training for the students is arranged by the cell in consultation with and on the basics of availability of seats in different industries/organizations/firms/training centers to make the students have strong practical knowledge and to provide them to know the applications of scientific principles industrial training is essential for students as per university norms.







Almost all the eligible and interested students get selected through campus selection. The cell organizes personality development programs and Entrepreneurial development programs to inculcate the habit of learning, development of new skills, team spirit, perseverance, and tolerance for disagreement in them, to make them self-directed, self-motivated. and responsible lifelong learners enrich of vocabulary, pronunciation skills, and extempore, participation in seminars, workshops, mock interviews, and group discussion. The idea behind this is to cater to the needs of the companies that require students to have such personalities who are aware of technological development and who are well equipped to face global challenges have problemsolving capabilities and can communicate across cultures globally. For more information, please visit: http://www. mmmut.ac.in View Placed **Student Management** 



8

## **COUNCIL OF STUDENT ACTIVITIES**

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 heads 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 etc. which keep the campus vibrant throughout the year. The Sub Councils/Cells/ Clubs are managed by a team of Faculty members and student's office bearers. Students participate in various extra/co-curricular activities at the Department and University level and earn marks/grades for ECA Courses. Besides inhouse activities attracting participation of students from colleges/institutions located in different parts of the country, the University also encourages and provides limited financial support to its students to participate in national level sports/cultural/technical festivals being organized in premier institutions throughout India.

#### **Facilities:**

CRICKET AND HOCKEY GROUND

Council of Students Activities (CSA) has a brand-new, state-of-the-art sports stadium named 'Shaheed Bandhu Singh Stadium'. The stadium was inaugurated in 2020 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. 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.



**BASKETBALL COURT** 



In addition to the stadium, CSA has a fully air-conditioned auditorium 'Multi-Purpose Hall' (MPH) with seating capacity of 800 persons. The MPH has a 40 x 30 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.

# 9 HOSTEL FACILITY

The University is residential institution with seven boys' hostels five girls' hostels. The hostels are well furnished with necessary amenities available with in hostel premises. The leased line Internet facility is available for 24x7 hours in every room of each hostel. Students admitted to the University hostels are provided with the necessary furniture. The students are personally responsible for upkeep of the articles issued to them by the warden in sound condition. First year students are provided with three/two-seater rooms as per the availability. Senior students are provided with double and single seated rooms depending upon availability.

- **Boys Hostels :** Raman Bhawan, Subhash Bhawan, Visveswaraya Bhawan, Tagore Bhawan, Ambedkar Bhawan, Tilak Bhawan, Ramanujam Bhawan.
- Girls Hostels: Saraswati Bhawan, Sarojani Bhawan, Kalpna Chawala Bhawan, Kasturaba Bhawan, New Girls Hostel.







# 10 CAMPUS LIFE AT MMMUT





















# **APPENDIX-A**

# CERTIFICATE-1 (प्रमाण पत्र-1)

# अनुसूचित जाति/अनुसूचित जनजाति (UPSC/UPST/GDSC/GDST)

जिला		दिनांक :
तहसील		
आवेदन क्र.		
प्रमाण पत्र क्र.		
	प्रमाणित किया जाता है कि श्री / श्रीमती / कु.	
	सुपुत्र / सुपुत्री / श्री	
	माता का नाम	
	निवासी	
	ग्राम	
	तहसील	
	ਯਿਗ	
	जाति के व्यक्ति हैं, जिसे संविधान (अनुसूचित जाति) आवें आ है) संविधान (अनुसूचित जनजाति, उ.प्र.) आदेश, 1967 के अनुसार अनुसूचित जाति / अनुसूरि	
श्री / श्रीमती / व	हु तथा / अथवा उनका परिवार उ.प्र. के ग्राम / मोहल्ला	
	, नगर जिला जिला	

जिलाधिकारी/अतिरिक्त जिलाधिकारी/ सिटी मजिस्ट्रेट/परगना मजिस्ट्रेट/तहसीलदार

Note: Certificate will be accepted only in latest U.P. Government format.



## CERTIFICATE-2 (प्रमाण पत्र-2)

### उत्तर प्रदेश के अन्य पिछड़े वर्ग के लिए जाति प्रमाण पत्र का प्रारूप (UPBC/GDSC)

जेला		दिनांक :		
तहसील				
आवेदन क्र.				
प्रमाण पत्र क्र.				
	प्रमाणित किया जाता है कि श्री/श्रीमती/कु			
	सुपुत्र / सुपुत्री / श्री			
	माता का नाम			
	निवासी			
	ग्राम			
	तहसील			
	जिला			
उ.प्र. राज्य कीति उत्तर प्रदेश लोक सेवा (अनुसूचित जातियों, अनुसूचित जनजातियों तथा अन्य पिछड़े वर्गों के लिए आरक्षण) अधिनियम 1994 (यथा संशोधित) की अनुसूची—एक के अन्तर्गत मान्यता प्राप्त है।				
यह भी प्रमाणित किया जाता है कि श्री/श्रीमती/कु				

जिलाधिकारी/अतिरिक्त जिलाधिकारी/ सिटी मजिस्ट्रेट/परगना मजिस्ट्रेट/तहसीलदार

नोट : अभ्यर्थी ध्यान दें कि उ.प्र. के अन्य पिछड़े वर्ग के लिए जाति प्रमाण मार्च 31, 2024 के पश्चात का बना होना आवश्क है क्योंकि क्रीमीलेयर के अन्तर्गत आने वाले अभ्यर्थियों को आरक्षण का लाभ अनुमन्य नहीं है।

Note: Certificate will be accepted only in latest U.P. Government format.



# CERTIFICATE-3 (प्रमाण पत्र-3)

# उत्तर प्रदेश सामान्य निवासी के पुत्र/पुत्री (UPGD/GDSC/GDST/GDBC)

(उस जिले के अधिकारी द्वारा प्रमाणित जिस जिले के माता/पिता निवासी है)

जिला		दिनांक :		
तहसील				
आवेदन क्र.				
प्रमाण पत्र क्र.				
	सम्बन्धित लेखपाल की जांच आख्या दिनांक के आधार पर त	द्नुसार		
	प्रमाणित किया जाता है कि श्री/श्रीमती/कु			
	सुपुत्र / सुपुत्री / श्री			
	माता का नाम			
	निवासी			
	ग्राम			
	तहसील			
	जिला			
	श का / की निवासी है व उसका वर्तमान पता मकान नम्बर ग्राम / मोहल्ला जनपद			
<ol> <li>उपर्युक्त की पुष्टि प्रारूप–1 में आवेदन एवं सत्यापनकर्ता द्वारा उपलब्ध कराई गई सूचना तथा इससे संतुष्ट हो जाने के उपरान्त अधोहस्ताक्षरी द्वारा उत्तर प्रदेश के इस जनपद का सामान्य निवासी होने विषयक प्रमाण पत्र निर्गत किया जा रहा है।</li> </ol>				
	जिलाधिकारी / अतिरि सिटी मजिस्ट्रेट / परगना	•		

Note: Certificate will be accepted only in latest Government format.



## CERTIFICATE-4 ( प्रमाण पत्र-4 ) (Sub-Category UPFF)

उत्तर प्रदेश लोक सेवा (शारीरिक रूप से विकलांग, स्वतंत्रता संग्राम सेनानी के आश्रितों और भूतपूर्व सैनिकों के लिए आरक्षण) अधिनियम, 1993 के अनुसार स्वतन्त्रता संग्राम सेनानी के आश्रित के प्रमाणपत्र का प्रपत्र

प्रमाणित किया जाता है कि श्री	/श्रीमती (स्वतंत्रता संग्राम सेनानी का ना	म)
निवासी ग्राम	तहसील	नगर
जिला	उत्तर प्रदेश व	न्नोक सेवा (शारीरिक रूप से विकलांग, स्वतंत्रता संग्राम सेनानी के
आश्रितों और भूतपूर्व सैनिकों के	ह लिए आरक्षण) अधिनियम 1993 के अनुर	नार स्वतन्त्रता संग्राम सेनानी हैं और श्री/श्रीमती/कु. (आश्रित अभ्यर्थी
का नाम)		पुत्र/पुत्री/पौत्र/अविवाहित पौत्री उपरांकित अधिनियम, 1993 के ही
प्रावधानों के अनुसार उक्त श्री /	/श्रीमती (स्वतन्त्रता संग्राम सेनानी)	के आश्रित हैं।
दिनाक		हस्ताक्षर
रथान		पूरा नाम एवं पदनाम
		मुहर (जिला मजिस्ट्रेट की सील)

**Note:** Proforma of certificate may be changed according to latest Govt. order.



# CERTIFICATE-5 (प्रमाण पत्र-5)

# उत्तर प्रदेश/सेनादल (Sub-Category UPAF)

(अंतिम यूनिट के आफिसर कमान्डिंग / जिला सैनिक कल्याण बोर्ड द्वारा प्रमाणित)

यह प्रमाणित किया जाता है कि श्री/श्रीमती (अभ्यर्थी के पिता अथवा म	गता का नाम)
निवासी गाँव/शहर तहसील	
उत्तर प्रदेश, के दिनांक को सेवानिवृत्त (Supe	erannuated) युद्ध में मारे गये/अपंग हो गये/उत्तर प्रदेश में वर्तमान
में तैनात है। वे भारतीय थलसेना/जलसेना/वायुसेना के स्थान	दिनांक से
दिनांक तक कार्यरत थे / हैं। अभ्यर्थी Depar	tment of Ex-Servicemen Welfare, Ministry of Defence,
Government of India द्वारा अधिसूचित प्राथमिकताओ में से प्राथमिक	ता नंबर (Please enter a valid priority number applicable to
this candidates per Govt. order No. F.No.6(1)/2017/D(Res.	II) dated November 30, 2017)
(केवल शब्दों में / only in word) के अंतर्गत अर्ह है।	
दिनांक	यूनिट कमान्डिंग आफिसर के हस्ताक्षर
स्थान	नाम
	मुहर
(जिला मजिस्ट्रेट	द्वारा प्रमाणित)
The state of the s	A-11-4
यह प्रमाणित किया जाता है कि श्री/कु. (अभ्यर्थी)	
प्रदेश गाँव / शहर तहसील उपरोक्त सेना दल के सेवानिवृत्त (Superannuated) युद्ध में मारे गये	
के पुत्र / पुत्री हैं अथवा प्रवेश परीक्षा की तिथि को उत्तर प्रदेश भारतीय थ	
क पुत्र / पुत्रा ह अथवा प्रवश पराक्षा का तिथि का उत्तर प्रदश मारताय र	गलसना/ जलसना/ पायुसना म कायरत थ/ ह।
दिनाक	हस्ताक्षर
स्थान	नाम
	मोहर



# CERTIFICATE-6 (प्रमाण पत्र-6)

# (Sub-Category UPHC) काउन्सिलिंग मे जमा करने हेतु

दिव्यांग जन के अधिमान के लिए प्रमाणपत्र (मुख्य चिकित्साअधिकारी द्वारा प्रमाणित)

जिला	दिनांक :
तहसील	
आवेदन क्र.	
प्रमाण पत्र क्र.	
<ol> <li>यह प्रमाणित किया जाता है कि श्री/कु. (अभ्यर्थी)पुत्र/पुत्री श्री (पिता का नाम)</li> <li>(कंवल मुख्य चिकित्सा अधिकारी ही कारण लिखें)</li> </ol>	नीचे लिखे कारणों से शारीरिक रूप से दिव्यांग हैं।
<ol> <li>अभ्यर्थी की उपरोक्त दिव्यांगता को निम्न प्रकार की दिव्यांगता की (कृपया ✓ का निशान लगायें)</li> </ol>	ो श्रेणी में रखा जा सकता है।
Type - I: Minimum 40% permanent Vis	sual impairment
Type-II: Minimum 40% permanent Loc	comotors disability
Type-III: Minimum 40% permanent Sp	peech Hearing impairment
3 यह भी प्रमाणित किया जाता है कि उपरोक्त दिव्यांग स्थिति अभ्य	र्थी के इन्जीनियरिंग शिक्षा प्राप्त करने में बाधक नहीं होगी।
अभ्यर्थी के हस्ताक्षर	चिकित्साधिकारी के हस्ताक्षर
नाम	नाम
दिनांक	मुहर



# CERTIFICATE-7 ( प्रमाण पत्र-7 )

### CHARACTER CERTIFICATE FROM THE HEAD OF THE INSTITUTION LAST ATTENDED

Th	nis is to certify that Sri/Km.		
ha	s been a bonafide student of from to		and has
pa	ssed/appeared at the		
	amination in the year		
Pr	octorial reports:		
1	Has he/she involved himself/herself if any act of indiscipline?	Yes/No	
2	Has he/she been warned, Fined or punished for any act of indiscipline?	Yes/No	
3	Has he/she been restricted or expelled from Hostel of College for any reason?	Yes/No	
4	Has he/she been involved in any act of indiscipline outside the College campulike group clashes or fraction fights etc.	yes/No	
5	Has he/she been addicted to drugs or intoxicants?	Yes/No	
G	eneral remarks (Please state your assessment of the student)		
Da	ate: Signature		
Na	ame		
De	esignation		



# CERTIFICATE-8 (प्रमाण पत्र-8)

### FORMAT FOR MEDICAL CERTIFICATE

(To be obtained from a Chief Medical Officer or Medical Officer of MMMUT, Gorakhpur)

This certificate has to be submitted at the time of admission in the University

Name of Candidate:					Age:		Sex:	We	ighatge:
Roll No.: Category:				Subcategory and Rank Position:					
Father's Name (To be filled in		he Candida	te)						
L.T.	M.I.					ON	Colour Vision:		
Height	Weig	ght	Chest	Abdomen		VISION	Without glass:		With glass:
History		Operat	ion	Koch'sColic's			B.P.		
		Seizure	es	Asthma			Piles	Diabet	es
EXAMINATIO	N	Pulse		Tonsil			DNS		Hernia
		Pallor		L.Nodes			CSOM		Hydrocele
		Cardiovas	cular	CNS					
		Respirator	У	GIT					
		Genitouri	nary	Others					
Is the candidate physically handicapped/Disabled:			: (Please tick	)		Yes/No			
If yes, type of handicap/disability:			Type-I: Min	imum 4	40%	permanent Visua	l impair	rment	
(Please trick ✓	the ty	ype of hand	icap/disability)	Type-II: Minimum 40% permanent Locomoter disability					
			Type-III: Minimum 40% permanent speech and Hearing impairment						
Any other finding:									
Certified that th	ne car	ndidate is ph	ysically fit/unfit/te	emporally disqual	ified to	pur	sue engineering st	udies	
Signature of Candidate			Signature of the	e issuing	g M	edical Officer (wit	h Offici	ial stamp)	

# CERTIFICATE-9 (प्रमाण पत्र-9)

### UNDERTAKING BY CANDIDATE FOR MEDICAL FITNESS

I certify that I have no such physical handicap/disability which would hinder the pursuit of studies in the Programs in which I am seeking admission. If at any stage it is found that I have a physical handicap/ disability which would hinder the pursuit of studies in the Programs in which I am seeking admission then my admission will be liable to be cancelled. I will produce medical fitness certificate from a C.M.O./C.M.S. at the time of my joining the University.

Dated: Counter Signed by Father/Guardian Signature of the Candidate

हुआ होना आवश्यक है।



# CERTIFICATE-10 ( प्रमाण पत्र-10 )

# अखिल भारतीय सेवा के उ.प्र. कैडर के अधिकारियों / कर्मचारियों हेतु

प्रमाणित किया जाता है कि श्री/श्रीमती	(अभ्यर्थी के माता / पिता का नाम)		
पद नाम	विभाग का नाम	कैडर संख्य	Т
अखिल भारतीय सेवा के उ.प्र. कैंडर के	अधिकारी / कर्मचारी है तथा वर्तमान मे	ं इस कार्यालय में कार्यरत हैं। यह	प्रमाणपत्र इनके पुत्र/पुत्री
(अभ्यर्थी का नाम)		को मदन मोहन मालवीय प्रौद्यौगिकी	विश्वविद्यालय में प्रवेश हेतु
प्रदान किया जाता है।			
दिनांक			
विभागाध्यक्ष / कार्यालयाध्यक्ष का हस्ताक्षर			
नाम एवं पद नाम			
मुहर			
	CERTIFICATE-11 ( प्र	иш из 11 )	
	·		
(Inc	ome Certificate) (काउन्सिलि	ग में जमा करने हेतु)	
क्षेत्रीय भूलेख निरीक्षक तथा लेखपाल की	जांचरिपोर्ट के आधारपर प्रमाणित किया	जाता है कि	
आवेदक के अभिभावक/माता/पिता का	नामद्ध सुपुत्र		
निवासी / ग्राम	परगना	तहसील	
नगर	जिला	राज्य	
के स्वयं की मासिक आय रूपया	तथा वार्षिव	ज्ञाय रूपया	ਲੈ
लेखपाल की रिपोर्ट के अनुसार आय का	स्रोत		<u>;</u>
स्थान	तहसी	नदार	
दिनांक			
मुहर			

नोट : अभ्यर्थी ध्यान दे कि उ.प्र. के आर्थिक रूप से कमजोर अभ्यर्थियों के लिए प्रमाणपत्र मार्च 31, 2024 के पश्चात का बना



# कार्यातय-जाप संख्या-3/2019/4/1/2002/का-2/19दी,सी.-॥, दिनांक 14 मार्च, 2019 का संतरनक

# CERTIFICATE – 13A उत्तर प्रदेश सरकार

	कार्यालय का नाम			
आर्थिक रूप से	कमजोर वर्ग के सदस्य	म द्वारा प्रस्तुत किया जा	ने वाला आय एवं	परिसम्पति प्रमाण-पत्र
प्रमाण-पत्र संख्या			दिनांक	
	वितीय वर्ष	· 8	के लिए मान्य	
प्रमाणित	किया जाता है	कि श्री/श्रीमती/कुमारी		
पुत्र/पति/पुत्री		ग्राम/कस्वा.		
पोस्ट ऑफिस			थाना	
तहसील	जिला		राज्य	
पिन कोड	के स्थार्य	ो निवासी है, जिनका फो	टोग्राफ नीचे अभिप्रम	गणित है, आर्थिक रूप से
कमजोर वर्ग के	सदस्य हैं, क्योंकि वितीर	प वर्ष	. में इनके परिवार	की कुल वार्षिक आय 8
নাঅ (সাত নাঅ	रूपये मात्र) से कम है।	इनके परिवार के स्वामित्य	य में निम्नलिखित व	में से कोई भी परिसम्पति
नहीं है:-				
I	5 (पाँच) एकड़ कृषि य	गेग्य भूमि अथवा इससे उ	ज्यर ।	
п	एक हजार वर्ग फीट अ	थवा इससे अधिक क्षेत्रफल	न का फ्लैट।	
Ш	अधिस्चित नगरपालिव भूखण्ड।	न के अंतर्गत 100 वर्ग	गज अथवा इससे	अधिक का आवासीय
IV.		ा हा से इतर 200 वर्ग	गज अथवा इससे	अधिक का आवासीय
	भूखण्ड।	•	•	
2.	श्री/श्रीमती/कुमारी		जाति	के
सदस्य हैं. जो अन	सचित जाति. अनसचित	जनजाति तथा अन्य पिछ	इंडे वर्गों के रूप में 3	अधिसचित नहीं है।
	,, 3 K			
			हस्ताक्षर (व	कार्यालय का मुहर सहित)
			पूरा नाम	
आवेदक का पासपोर्ट अभिप्रमाणित का			पदनाम	
आभप्रमाणित का	Cidide		जिलाधिकारी/अ	तेरिक जिलाधिकारी/सिटी
			मजिस्ट्रेट/परगर	ना मजिस्ट्रेट/तहसीलदार।

दिनांक :-



## कार्यातय-जाप संख्या-3/2019/4/1/2002/का-2/19टी.सी.-॥, दिनांक 14 मार्च, 2019 का संतरनक

# CERTIFICATE-13B

# आर्थिक रूप से कमजोर वर्ग के लाभार्थ स्वंय घोषणा पत्र

स्वय घोषणा पत्र				
मैं पुत्र/पुत्री/पत्नी				
ग्राम/कस्वा पोस्ट ऑफिस				
थाना तहसील तहसील				
जिला ने आर्थिक रूप से कमजोर वर्ग के				
प्रमाण पत्र हेतु आवेदन दिया है, एतद् द्वारा घोषणा करता/करती हूँ :-				
1. मैं जाति से सम्बन्ध रखता/रखती हूँ, जो उत्तर प्रदेश हेतु				
अधिसूचित अनुसूचित जाति, अनुसूचित जनजाति एवं अन्य पिछड़ा वर्ग की सूची में सूचीबद्ध नहीं है।				
2. मेरे परिवार की कुल श्रोतों (वेतन, कृषि, व्यवसाय, पेशा इत्यादि) से कुल वार्षिक आय				
रू (शब्दों में) है।				
3. मेरे परिवार के पास उल्लिखित आय के सिवाय अथवा इसके अतिरिक्त अन्यत्र कोई				
परिसम्पति नहीं है।				
अथवा				
कई स्थानों पर स्थित परिसम्पतियों को जोड़ने के पश्चात भी मैं (नाम)				
रूप से कमजोर वर्ग के दायरे में आता/आती हूँ।				
4. मैं घोषणा करता/करती हूँ कि मेरे परिवार की सभी परिसम्पतियाँ को जोड़ने के पश्चात्				
निम्नलिखित में से किसी भी सीमा से अधिक नहीं है-				
I 5 (पाँच) एकड कृषि योग्य भूमि अथवा इससे ऊपर ।				
II एक हजार वर्ग फीट अथवा इससे अधिक क्षेत्रफल का फ्लैट।				
III. अधिसूचित नगरपालिका के अंतर्गत 100 वर्ग गज अथवा इससे अधिक का आवासीय				
भूखण्ड।				
IV. अधिसूचित नगरपालिका से इतर 200 वर्ग गज अथवा इससे अधिक का आवासीय भूखण्ड।				
मैं प्रमाणित करता /करती हूँ कि मेरे द्वारा उपरोक्त जानकारी मेरे ज्ञान और विश्वास के अनुसार सत्य है				
और मैं आर्थिक रूप से कमजोर वर्ग के लिए आरक्षण सुविधा प्राप्त करने हेतु पात्रता धारण करता/करती हूँ। यदि				
मेरे द्वारा दी गई जानकारी असत्य/गलत पायी जाती है तो मैं पूर्ण रूप में जानता हूँ/ जानती हूँ कि इस				
आवेदन पत्र के आधार पर दिये गये प्रमाण पत्र के द्वारा शैक्षणिक संस्थान में लिया गया प्रवेश/लोक सेवाओं एवं				
पदों में प्राप्त की गई नियुक्ति निरस्त कर दी जायेगी/कर दिया जायेगा अथवा इस प्रमाण पत्र के आधार पर कोई				
अन्य सुविधा/लाभ प्राप्त किया गया है उससे भी वंचित किया जा सकेगा और इस सम्बन्ध में विधि एवं नियमों				
के अधीन मेरे विरूद्ध की जाने वाली कार्यवाही के लिए मैं उत्तरदायी रहूँगा/रहूँगी।				
नोट:- जो लागू नहीं हो उसे काट दें।				
आवेदक/आवेदिका का हस्ताक्षर तथा पूरा नाम।				
स्थान :-				



# APPENDIX-B

# UNDERTAKING BY CANDIDATE

(Whose Result of Qualifying Examination is awaited)

		Date:
I		son/daughter of
	seeking admission in	hereby
submit my undertaking that I will produce/submit t	he evidence of having p	assed the qualifying examination
securing the minimum passing marks as prescribed by	the University by August	31, 2024. I am fully aware that if I
fail to submit the required document on or before Augu	ıst 31, 2024, my admission	n will be cancelled and no claim to
refund the fee will be made by me whatsoever the reason	on may be.	
(Signature of the parents/guardian	(Signature of the candidate)	ate)
Name :	Name	:
Date :	GATE/CUET(PG)/ MET Registration No.	:
Contact No.:	Contact No.	<b>:</b>



# **APPENDIX-C**

## **SYLLABUS FOR MALAVIYA ENTRANCE TEST (MET)-2024**

### **SYLLABUS FOR M.SC. (PHYSICS)**

**Mathematical Methods:** Calculus of single and multiple variables, partial derivatives, Jacobian, imperfect and perfect differentials, Taylor expansion, Fourier series. Vector algebra, Vector Calculus, Multiple integrals, Divergence theorem, Green's theorem, Stokes' theorem. First order equations and linear second order differential equations with constant coefficients. Matrices and determinants, Algebra of complex numbers.

Mechanics and General Properties of Matter: Newton's laws of motion and applications, Velocity and acceleration in Cartesian, polar and cylindrical coordinate systems, uniformly rotating frame, centrifugal and Coriolis forces, Motion under a central force, Kepler's laws, Gravitational Law and field, Conservative and non-conservative forces. System of particles, Center of mass, equation of motion of the CM, conservation of linear and angular momentum, conservation of energy, variable mass systems. Elastic and inelastic collisions. Rigid body motion, fixed axis rotations, rotation and translation, moments of Inertia and products of Inertia, parallel and perpendicular axes theorem. Principal moments and axes. Kinematics of moving fluids, equation of continuity, Euler's equation, Bernoulli's theorem.

Oscillations, Waves and Optics: Differential equation for simple harmonic oscillator and its general solution. Superposition of two or more simple harmonic oscillators. Lissajous figures. Damped and forced oscillators, resonance. Wave equation, traveling and standing waves in one- dimension. Energy density and energy transmission in waves. Group velocity and phase velocity. Sound waves in media. Doppler Effect. Fermat's Principle. General theory of image formation. Thick lens, thin lens and lens combinations. Interference of light, optical path retardation. Fraunhofer diffraction. Rayleigh criterion and resolving power. Diffraction gratings. Polarization: linear, circular and elliptic polarization. Double refraction and optical rotation.

**Electricity and Magnetism:** Coulomb's law, Gauss's law. Electric field and potential. Electrostatic boundary conditions, Solution of Laplace's equation for simple cases. Conductors, capacitors, dielectrics, dielectric polarization, volume and surface charges, electrostatic energy. Biot-Savart law, Ampere's law, Faraday's law of electromagnetic induction, Self and mutual inductance. Alternating currents. Simple DC and AC circuits with R, L and C components. Displacement current, Maxwell's equations and plane electromagnetic waves, Poynting's theorem, reflection and refraction at a dielectric interface, transmission, and reflection coefficients (normal incidence only). Lorentz Force and motion of charged particles in electric and magnetic fields.

**Kinetic Theory, Thermodynamics:** Elements of Kinetic theory of gases. Velocity distribution and Equipartition of energy. Specific heat of Mono-, di-and tri-atomic gases. Ideal gas, van-der-Waals gas and equation of state. Mean free path. Laws of thermodynamics. Zeroth law and concept of thermal equilibrium. First law and its consequences. Isothermal and adiabatic processes. Reversible, irreversible and quasi-static processes. Second law and entropy. Carnot cycle. Maxwell's thermodynamic relations and simple applications. Thermodynamic potentials and their applications. Phase transitions and Clausius-Clapeyron equation. Ideas of ensembles, Maxwell- Boltzmann, Fermi-Dirac and Bose-Einstein distributions.

Modern Physics: Inertial frames and Galilean invariance. Postulates of special relativity. Lorentz transformations. Length contraction, time dilation. Relativistic velocity addition theorem, mass energy



equivalence. Blackbody radiation, photoelectric effect, Compton effect, Bohr's atomic model, X-rays. Wave-particle duality, Uncertainty principle, the superposition principle, calculation of expectation values, Schrödinger equation and its solution for one-, two- and three-dimensional boxes. Solution of Schrödinger equation for the one-dimensional harmonic oscillator. Reflection and transmission at step potential, Pauli exclusion principle. Structure of atomic nucleus, mass and binding energy. Radioactivity and its applications. Laws of radioactive decay.

Solid State Physics, Devices and Electronics: Crystal structure, Bravais lattices and basis. Miller indices. X-ray diffraction and Bragg's law; Intrinsic and extrinsic semiconductors, variation of resistivity with temperature. Fermi level. p-n junction diode, I-V characteristics, Zener diode and its applications, BJT: characteristics in CB, CE, CC modes. Single stage amplifier, two stage R-C coupled amplifiers. Simple Oscillators: Barkhausen condition, sinusoidal oscillators. OPAMP and applications: Inverting and non-inverting amplifier. Boolean algebra: Binary number systems; conversion from one system to another system; binary addition and subtraction. Logic Gates AND, OR, NOT, NAND, NOR exclusive OR; Truth tables; combination of gates; de Morgan's theorem

### **SYLLABUS FOR M.SC. (CHEMISTRY)**

### **Physical Chemistry**

Atomic and Molecular Structure: Planck's black body radiation, Photoelectric effect, Bohr's theory, de Broglie postulate, Heisenberg's Uncertainty Principle; Schrödinger's wave equation (including mathematical treatment), postulates of quantum mechanics, normalized and orthogonal wave functions, its complex conjugate (idea of complex numbers) and significance of p2; Operators; Particle in one-dimension box, radial and angular wave functions for hydrogen atom, radial probability distribution; Finding maxima of distribution functions (idea of maxima and minima), energy spectrum of hydrogen atom; Shapes of s, p, d and f orbitals; Pauli's Exclusion Principle; Hund's rule of maximum multiplicity.

Gaseous State: Kinetic molecular model of a gas: collision frequency; collision diameter; mean free path and viscosity of gases; Maxwell-Boltzmann distribution: molecular velocities, law of equipartition of energy, molecular basis of heat capacities; Ideal gases, and deviations from ideal gas behaviour, van der Waals equation of state; critical state, law of corresponding states.

**Liquid State:** Physical properties of Liquid, vapour pressure, surface tension and co-efficient of viscosity and their applications; effect of concentration of solutes on surface tension and viscosity; effect of temperature on viscosity of liquids.

**Solid State:** Unit Cells, Miller indices, crystal systems and Bravais Lattices, elementary applications of vectors to crystal systems; X-ray diffraction, Bragg's Law, Structure of NaCl, CsCl, and KCl, diamond, and graphite; Close packing in metals and metal compounds, semiconductors, insulators; Defects in crystals, lattice energy; isomorphism; heat capacity of solids.

Chemical Thermodynamics: Mathematical treatment: Exact and in-exact differentials, partial derivatives, Euler's reciprocity, cyclic rule; Reversible and irreversible processes; Laws of thermodynamics, thermochemistry, thermodynamic functions, such as enthalpy, entropy, and Gibbs free energy, their properties and applications; Partial molar quantities, dependence of thermodynamic parameters on composition, Gibbs Duhem equation, chemical potential and its applications.



Chemical and Phase Equilibria: Law of mass action; Kp, Kc, Kx and Kn; Effect of temperature on K; Le-Chatelier principle; Ionic equilibria in solutions; pH and buffer solutions; Salt hydrolysis; Solubility and solubility product; Acid – base titration curves; Indicators; Dilute solutions; Raoult's and Henry's Laws and their applications; Colligative properties; Gibbs phase rule; Phase equilibria; single and two-component phase diagrams.

**Electrochemistry:** Conductivity, equivalent and molar conductivity and their properties; Kohlrausch law; DebyeHückel-Onsager equation; Ionic velocities, mobilities, transference numbers; Applications of conductance measurement; Quantitative aspects of Faraday's laws of electrolysis, applications of electrolysis in metallurgy and industry; Electromotive force of a cell, Nernst equation; Standard electrode potential, Electrochemical series; Concentration cells with and without transference; Applications of EMF measurements including potentiometric titrations.

Chemical Kinetics: Order and molecularity of a reaction, differential and integrated form of rate expressions - basic ideas of integration and differentiation; Kinetics of opposing, parallel, and consecutive reactions; Steady state approximation in reaction mechanisms; Chain reactions; Uni-molecular reaction (Lindemann mechanism); Temperature dependence of reaction rates, Arrhenius equation; activation energy; Collision theory of reaction rates; Types of catalysts, specificity and selectivity, mechanisms of catalyzed reactions at solid surfaces; Enzyme catalysis (Michaelis-Menten mechanism, Double reciprocal plot), Acid-base catalysis.

**Adsorption:** Gibbs adsorption equation; adsorption isotherm; types of adsorption; surface area of adsorbents; surface films on liquids.

**Spectroscopy: Beer-Lambert's law;** fundamental concepts of rotational, vibrational, electronic and magnetic resonance spectroscopy.

# **Organic Chemistry**

Basic Concepts in Organic Chemistry and Stereochemistry: Electronic effects (resonance, inductive, hyperconjugation) and steric effects and its applications (acid/base property); optical isomerism in compounds with and without any stereocenters (allenes, biphenyls); conformation of acyclic systems (substituted ethane/n-propane/n-butane) and cyclic systems, substituted cyclohexanes, and polycyclic (cis and trans decalins) systems.

Organic Reaction Mechanism and Synthetic Applications: Chemistry of reactive intermediates (carbocations, carbanions, free radicals, carbenes, nitrenes, benzynes); nucleophilic substitution, elimination reactions and mechanisms; Hofmann-Curtius- Lossen rearrangement, Wolff rearrangement, Simmons-Smith reaction, Reimer-Tiemann reaction, Michael reaction, Darzens reaction, Wittig reaction and McMurry reaction; Pinacolpinacolone, Favorskii, benzilic acid rearrangement, Baeyer-Villeger reaction; oxidation and reduction reactions in organic chemistry; Organometallic reagents in organic synthesis (Grignard, organolithium, organocopper and organozine (Reformatsky only); Diels-Alder, electrocyclic and sigmatropic reactions; functional group inter-conversions and structural problems using chemical reactions.

**Qualitative Organic Analysis:** Identification of functional groups by chemical tests; elementary UV, IR and 1H NMR spectroscopic techniques as tools for structural elucidation of simple organic molecules.

Natural Products Chemistry: Chemistry of alkaloids, steroids, terpenes, carbohydrates, amino acids, peptides and nucleic acids.



**Aromatic and Heterocyclic Chemistry:** Monocyclic, bicyclic and tricyclic aromatic hydrocarbons, and monocyclic compounds with one hetero atom: synthesis, reactivity and properties, aromaticity; Electrophilic and nucleophilic aromatic substitution reactions.

### **Inorganic Chemistry**

**Periodic Table:** Periodic classification of elements, Aufbau's principle, periodicity; Variations of orbital energy, effective nuclear charge, atomic, covalent, and ionic radii, ionization enthalpy, electron gain enthalpy, and electronegativity with atomic number, electronic configuration of diatomic molecules (first and second row elements

**Extractions of Metals:** General methods of isolation and purification of elements; Principles and applications of Ellingham diagram. Chemical Bonding and shapes of molecules:

lonic bond: Packing of ions in crystals, radius ratio rule, Born-Landé equation, Kapustinskii expression, Madelung constant, Born-Haber cycle, solvation energy, polarizing power and polarizability; Fajan's rules; Covalent bond: Lewis structure, valence bond theory. Hybridization, molecular orbital theory, molecular orbital diagrams of diatomic and simple polyatomic molecules and ions; Multiple bonding (s and p bond approach) and bond lengths; van der Waals forces, ion-dipole forces, dipole-dipole interactions, induced dipole interactions, instantaneous dipole- induced dipole interactions, hydrogen bonding; Effect of intermolecular forces on melting and boiling points, solubility energetics of dissolution process; Bond dipole, dipole moment, and molecular polarizabilities; VSEPR theory and shapes of molecules; ionic solids.

### Main Group Elements (s and p blocks):

Reactions of alkali and alkaline earth metals with oxygen, hydrogen and water; Alkali and alkaline earth metals in liquid ammonia; Gradation in properties of main group element in a group; Inert pair effect; Synthesis, structure and properties of diborane, ammonia, silane, phosphine and hydrogen sulphide; Allotropes of carbon; Oxides of nitrogen, phosphorus and sulphur; Oxoacids of phosphorus, sulphur and chlorine; Halides of silicon and phosphorus; Synthesis and properties of borazine, silicone and phosphazene; Synthesis and reactions of xenon fluorides.

**Transition Metals (d block):** Characteristics of d-block elements; oxide, hydroxide and salts of first row metals; coordination complexes: structure, isomerism, reaction mechanism and electronic spectra; VB, MO and crystal field theoretical approaches for structure, color and magnetic properties of metal complexes; Organometallic compounds with metal-ligand single and multiple bonds (such as metal carbonyls, metal nitrosyls and metallocenes); Homogenous catalysis involving Wilkinson's catalyst.

**Bioinorganic Chemistry:** Essentials and trace elements of life; basic reactions in the biological systems and the role of metal ions, especially Fe2+, and Zn2+; structure and function of myoglobin, hemoglobin and carbonic anhydrase.

**Instrumental Methods of Analysis:** Basic principles; instrumentations and simple applications of conductometry, potentiometry and UV-vis spectrophotometry; analyses of water, air and soil samples.

Analytical Chemistry: Principles of qualitative and quantitative analysis; Acid-base, oxidation- reduction and complexometric titrations using EDTA; Precipitation reactions; Use and types of indicators; Use of organic reagents in inorganic analysis; Radioactivity, nuclear reactions, applications of isotopes; Mathematical treatment in error analysis, elementary statistics and probability theory.



### **SYLLABUS FOR M.SC. (MATHEMATICS)**

Algebra: Groups, subgroups, Abelian groups, non-abelian groups, cyclic groups, permutation groups; Normal subgroups, Lagrange's Theorem for finite groups, group homomorphism and quotient groups, Rings, Subrings, Ideal, Prime ideal; Maximal ideals; Fields, quotient field. Vector spaces, Linear dependence and Independence of vectors, basis, dimension, linear transformations, matrix representation with respect to an ordered basis, Range space and null space, rank-nullity theorem; Rank and inverse of a matrix, determinant, solutions of systems of linear equations, consistency conditions. Eigenvalues and eigenvectors. Cayley-Hamilton theorem. Symmetric, Skew symmetric, Hermitian, Skew-Hermitian, Orthogonal and Unitary matrices.

Real Analysis: Sequences and series of real numbers. Convergent and divergent sequences, bounded and monotone sequences, Convergence criteria for sequences of real numbers, Cauchy sequences, absolute and conditional convergence; Tests of convergence for series of positive terms-comparison test, ratio test, root test, Leibnitz test for convergence of alternating series. Functions of one variable: limit, continuity, differentiation, Rolle's Theorem, Cauchy's Taylor's theorem. Interior points, limit points, open sets, closed sets, bounded sets, connected sets, compact sets; completeness of R, Power series (of real variable) including Taylor's and Maclaurin's, domain of convergence, term-wise differentiation and integration of power series. Functions of two real variable: limit, continuity, partial derivatives, differentiability, maxima and minima. Method of Lagrange multipliers, Homogeneous functions including Euler's theorem.

**Complex Analysis:** Functions of a complex Variable, Differentiability and analyticity, Cauchy Riemann Equations, Power series as an analytic function, properties of line integrals, Goursat Theorem, Cauchy theorem, consequence of simply connectivity, index of a closed curves. Cauchy's integral formula, Morera's theorem, Liouville's theorem, Fundamental theorem of Algebra, Harmonic functions.

**Integral Calculus:** Integration as the inverse process of differentiation, definite integrals and their properties, Fundamental theorem of integral calculus. Double and triple integrals, change of order of integration. Calculating surface areas and volumes using double integrals and applications. Calculating volumes using triple integrals and applications.

**Differential Equations:** Ordinary differential equations of the first order of the form y'=f(x,y). Bernoulli's equation, exact differential equations, integrating factor, Orthogonal trajectories, Homogeneous differential equations-separable solutions, Linear differential equations of second and higher order with constant coefficients, method of variation of parameters. Cauchy-Euler equation.

**Vector Calculus:** Scalar and vector fields, gradient, divergence, curl and Laplacian. Scalar line integrals and vector line integrals, scalar surface integrals and vector surface integrals, Green's, Stokes and Gauss theorems and their applications.

**Linear Programing:** Convex sets, extreme points, convex hull, hyper plane & polyhedral Sets, convex function and concave functions, Concept of basis, basic feasible solutions, Formulation of Linear Programming Problem (LPP), Graphical Method of LPP, Simplex Method



# PROGRAMMES OFFERED IN ACADEMIC SESSION 2024-25 AT A GLANCE

S.No.	Category	Programme	Mode of Admission
1.	Undergraduate	B.Tech.	JEE Mains 2024
		B.Tech. (Lateral Entry)	CUET(UG) 2024/CUET(PG) 2024
		BBA	CUET(UG) 2024
		B.Pharm.	CUET(UG) 2024
		B.Pharm. (Lateral Entry)	CUET(UG) 2024
2.	Postgraduate	M.Tech.	GATE/CUET(PG)2024/MET2024*
		M.C.A.	CUET(PG) 2024
		M.B.A.	CAT/CMAT-2024/ CUET(PG)2024
		M.Sc.	CUET(PG)2024/MET-2024*
3.	Ph.D.	Ph.D.	MET-2024*

<sup>\*</sup>MET 2024 stands for Malaviya Entrance Test 2024 which is the admission test conducted by the University.



महामना की सुयश शोभा, तकनीकि की यह तपस्थली। योग-स्थली गुरु गोरक्ष की, बुद्ध की निर्वाण स्थली।।

> दृश्य अनुपम् राप्ती का, मिलती गले रोहिन वलय। ज्ञान मार्गी संत कबिरा की, कृति हुयी मनोहर मधुमय।।

ज्ञान और विज्ञान का, मंदिर मनोरम शुभ्र पावन। शोध के जिज्ञासु करते, सरस्वती का चरण वंदन।।

> मानवता का मंदिर मनोहर, आलोक मय दिव्य सुन्दर। गूंजता परिसर हमारा, सकल विद्या का शंख स्वर।।

नवीनता की खोज में, संलग्न यह विद्या सदन। सुज्ञान के इस कल्पतरु का, करते हैं हम शत-शत नमन।।







### **Contact Details**

Postal Address: Chairman, Admission Cell

Madan Mohan Malaviya University of Technology (MMMUT),

Deoria Road, Gorakhpur-273010 (UP)

University Website URL : www.mmmut.ac.in

Counselling Website URL : https://mmmut.admissions.nic.in/

Admission Cell Helpline Numbers: 8765783798, 9235500507

Email : admission2024@mmmut.ac.in

### Office Timing

9.30 am to 5.00 pm (Monday to Friday)

9.30 am to 2.00 pm (Saturdays)