

ABOUT THE UNIVERSITY

Ideally located on the '*tapobhoomi*' of Maharishi Markandeshwar ji in the river bed of the sacred '*Markanda*', with exotic lush green rural surroundings, the NAAC Accredited 'A' Grade Maharishi Markandeshwar University, Mullana-Ambala, was established under the aegis of the reputed Maharishi Markandeshwar Education Trust, (now known as Maharishi Markandeshwar University Trust) which was founded by a great visionary and renowned promoter of education, Shri Tarsem Garg, in November 1993. Named after Maharishi Markandya (the great-grandson of Bhrigu Rishi and the son of Rishi Markandu, the eternal torchbearer of communal harmony and religious tolerance, who by his power of pious devotion and deep faith in Lord Shiva, acquired the boon of eternal life by defeating the invincible Yamraja), MM University began with the establishment of MM Engineering College at Mullana in 1995. Making rapid progress in a short span of 24 years, it has developed into a vast campus comprising the institutions of high-profile professional courses in the areas of Medical Sciences (MBBS, M.Sc Medical, MD/MS/PG Diplomas almost in all major specialties, Super speciality courses of DM (Medical Gastroenterology, Cardiology) and M.Ch (Urology)/(Neuro-Surgery), Ph.D in select disciplines); Dental Sciences (BDS and MDS in all the nine specialities, Diplomas in Dental Hygienists and Dental Mechanics, Certificates in Aesthetic Dentistry and Oral Implantology, Ph.D); Physiotherapy (BPT, MPT in five specialities Ph.D.); Pharmacy (B.Pharm, M.Pharm in four specialities, Pharm D, Ph.D); Nursing (B.Sc, M.Sc Nursing in five specialities, P.B. B.Sc Nursing, Post Basic Diploma in Critical Care Nursing, Emergency & Disaster Nursing, Operation Room Nursing, Ortho & Rehabilitation Nursing, Nurse Practitioner in Midwifery, Ph.D); Engineering & Technology (B.Tech, M.Tech, MA/M.Sc/B.Sc., Ph.D in various disciplines); Business Management (BBA/MBA, B.Com/M.Com, Ph.D.); Computer Science (BCA, MCA, Ph.D); Hotel Management & Catering Technology (BHM&CT, B.Sc Hospitality Management, M.Sc Dietetics); LL.M., BA.LL.B (5-yr integrated course) and many more surpassing in size and standards most conventional Universities in the region. Exchange collaborations with the foreign Universities and institutions of repute have proved highly useful in keeping pace with the global developments in technical and professional education. Other institutions on the campus by the same Trust includes MM International School, Mullana-Ambala (for +2 with affiliation from CBSE & Cambridge); and MM School of General Nursing & Midwifery.

In recent NIRF ranking by MHRD, the University has attained overall rank bracket 101-150. While its constituent Institution of the MM College of Pharmacy, Mullana has attained the rank bracket (51-75), MM Engineering College has attained the rank bracket (151-200). This University has also become first University in North India to have received world famous QS Five Star rating in teaching employability, facilities and social responsibility.

The Sponsoring Trust has the pride privilege in establishing the first self-financing Engineering College, first self-financing Medical College and the first self-financing Deemed University in the region. The other campuses which have recently been developed by the Trust as a part of its expansion programme include MM University, Kumarhatti-Solan (H.P.), MM University, Sadopur-Ambala (Haryana) and two other MM International Schools at Ramba-Karnal and Sadopur-Ambala, with the latest addition of a Medical College a constituent Institute of MM University at Kumarhatti-Solan which also happens to be the first self financing medical college in private sector in the state of Himachal Pradesh.

An epitome of quality education, the MM University has been imparting value-based, career-oriented education, with special emphasis on medical and technical education, lending yeoman service to the society, providing the best available training in academics as well as extra-curricular activities. The carefully selected faculty is an important asset of MMU, which provides latest academic input, blending it with organization of national seminars, conferences, workshops, industry-academia interactions and orientation towards research, innovation, etc. The University also brings out eight Research Journals in different disciplines. Our vision, emanating from the founder's thought-process, is to prepare students with an integrated and technology oriented education for a better career and to be worthy citizens of a global society.

The University complex comprises independent buildings of various MM Institutes, fourteen hostels (6 for boys, 7 for girls and 1 PG hostel for Medical Students) five of which are centrally air-conditioned, with accommodation for about 6000 students; 920-beds Medical College Hospital, with latest facilities of CT-SCAN, MRI, Ultra modern OTs, Blood Bank, Pathological Labs, etc. as also recently procured 1.5 Tesla MRI and 128 Slice MDLT advanced Software for angiography and imaging; residential sector for about 500 faculty and administrative staff. Recently a most advanced, highly sophisticated, state-of-the-art, latest model High Energy Linear Accelerator has been acquired from Elekta of UK named versa HD for the treatment of cancer patients. This LINEAR Accelerator has the most advanced configuration out of the linear accelerators installed in this region which will provide all types of highly sophisticated Radiotherapy Techniques for treatment of patients and includes 3D CRT (3D Conformal Radiation), IMRT (Intensity Modulated Radiation Therapy), IGRT (Image Guided Radiation Therapy), VMAT (Volumetric Arc Therapy), SRS (Stereotactic Radiosurgery) and SBRT (Stereotactic Body Radiation Therapy). Other facilities include shopping centers, branches of the State Bank of India and Oriental Bank of Commerce with ATM facilities; Post Office; transport service with 80 AC/Delux Buses for staff and students coming from nearby areas; Petrol outlet; Wi-Fi Campus with backbone of optic fibre line with 1 gpbs under MHRD (NMEICT) project, Govt. of India and 45 mbps connectivity; Examination Hall; Auditorium; modern lecture- theatres duly fitted with OHPs and LCDs; own civic facilities like water supply, sewerage and electrification backed by high – powered soundless generators to ensure uninterrupted electric supply to facilitate teaching- learning process. All the MM institutions have well- equipped modern Labs with latest equipments, besides about sixty computer Labs with over 3000 P-IV and licenced softwares.

The air-conditioned and computerized Libraries of the University and its Institutions are well equipped with rich collection of Books, Journals, DVDs/CD's/Videos, Theses, standards and back volumes with provision of one- time sitting capacity of 1575 readers. In total there are 170357 books, 1,00,000+e-books and subscribe 9910 national and international Journals including e- journals.

The University has also access to n-list Digital Library Consortium, Animal simulator, NPTEL Video/Web Courses, Turnitin UK Plagiarism Software, IEEE, ASME, ASCE, EBSCO's Dentistry and Oral Sciences Source, Lippincott Williams & Wilkins e-collection, K- hub University Collection WHO Global Package, SPSS statistics Software. Data Base Air Law College, Bentham, etc. which provide access to all the users of Engineering, Medical and Dental streams with full text international journals.

The University is also members of national networks like INFLIBNET, MEDLARS, DELNET, etc. through which the collections of various institutions in India and abroad are accessible to the users for records searching. DELNET offers access to more than 22.84 million bibliographic records, 37,847 union list of current periodicals, 20,235 records of union catalogues of periodicals; 9,22,042 records of periodicals articles and 81074 records of theses and dissertations held by 5916 Libraries in the States of India and 25 overseas Libraries. MEDLARS is accessible to all users in the disciplines of Medical Sciences.

The MM University takes pains in preparing its students into world-class professionals who can prove to be the pride of any employer. Those who pass out from here are capable of getting prestigious jobs within and outside the country. Several reputed companies visit our campus during the session and our students get high-class placements with enviable packages in reputed establishments through campus interviews even before completion of their courses.

The key differentiator of this University is to focus on high quality research with emphasis on overall development of students, maintaining a balance between academic excellence and moral perfection. Our training for different professions are tuned to making our students responsive to the emerging needs of our nation.

The MM University has, thus, taken up a big challenge of the reconstruction of the society through education.

IMPORTANT INSTRUCTIONS

[for candidates applying for Admission to the Ph.D. (Doctor of Philosophy) Programme]

2017

1. Ph.D. Programme is available in the following disciplines with No. of seats as indicated against each:

Sr. No.	Name of Discipline	Proposed No. of Seats	Sr. No.	Name of Discipline	Proposed No. of Seats.
Technical Stream			Medical Stream		
1.	Biotechnology	16	1.	Anatomy	02
2.	Chemistry	16	2.	Biochemistry	02
3.	Civil Engg.	08	3.	Community Health/Public Health	02
4.	Computer Science & Applications	02	4.	Microbiology	02
5.	Computer Sc. & Engg.	12	5.	Pharmacology	02
6.	Electronics & Comm. Engg.	15	6.	Physiology	02
7.	English	04	7.	Physiotherapy	02
8.	Hotel Management	12	Nursing Stream		
9.	Mathematics	04	1.	Nursing	09
10.	Management	12			
11.	Mechanical Engg.	15			
12.	Pharmacy	16			
13.	Physics	16			

2. The candidates before filling up the Application Forms should satisfy themselves that they fulfil the eligibility conditions as per concerned clause of the Ordinance of the respective Ph.D Programme annexed with this Brochure.
3. The selection of the candidates for Admission to the Ph.D programme will be made on the basis of merit of the Entrance Tests to be conducted by the University followed by interview in the respective Departments/Institutes. Those who have qualified UGC/CSIR NET in respective disciplines (other than Medical/Nursing streams) or M.Tech with GATE for seeking admission to Ph.D programme, will not be required to appear in the Entrance Test and will be considered for admission **on the basis of their academic merit** followed by **interview** which will also expose the candidates about their depth in the subject, research aptitude, area of research, suitability, etc.

4. The Entrance Test shall have to be qualified by obtaining at least 50% qualifying marks. The Syllabus of the Entrance Test shall consist of Research Methodology and in the subject concerned at PG level in Indian Universities.
5. **(A) PATTERN OF ADMISSION TEST AND INTERVIEW UNIFORMLY APPLICABLE TO ALL THE DISCIPLINES (OTHER THAN MEDICAL AND NURSING STREAMS)**

ADMISSION TEST: Duration : 02 Hours
Maximum Marks : 90

Part - I Research Methodology (Common for all) : 45 marks

30 Objective Type structured questions carrying 01 mark each : 30 marks

One descriptive question : 15 marks

Part - II Subject concerned : 45 marks

30 Objective type structured questions carrying 01 mark each : 30 marks

One descriptive question : 15 marks

Academic Merit

(for those entitled to Exemption from Entrance Test)

Master's Degree	: 50 Marks
Bachelor's Degree	: 30 Marks
+2	: 10 Marks

INTERVIEW : 30 Marks

- Note:
1. In the cases of those who are entitled to Exemption from Entrance Test, but have appeared in the Entrance Test, marks obtained by them in the Entrance Test will be taken into consideration and will subsequently not be allowed to opt for considering them on the basis of Academic Merit.
 2. Interview will be applicable to all the candidates those appearing in Entrance Test and those exempted from the Entrance Test.
 3. All the candidates who have appeared in the Entrance Test and those exempted will be interviewed on the same date.

(B) PATTERN OF ADMISSION TEST AND INTERVIEW IN THE FACULTY OF MEDICAL SCIENCES

ADMISSION TEST: Duration	: 02 Hours
Maximum Marks	: 90
Part - I Research Methodology (Common for all)	: 45 marks
30 Objective Type structured questions carrying 01 mark each	: 30 marks
One descriptive question	: 15 marks
Part - II Subject concerned	: 45 marks
30 Objective type structured questions carrying 01 mark each	: 30 marks
One descriptive question	: 15 marks
INTERVIEW	: 30 Marks

(C) PATTERN OF ADMISSION TEST AND INTERVIEW IN THE FACULTY OF NURSING

ADMISSION TEST: Duration	: 02 Hours
Maximum Marks	: 90
Part - I Research Methodology	: 45 marks
30 Objective Type structured questions carrying 01 mark each	: 30 marks
One descriptive question	: 15 marks
Part - II Subject concerned	: 45 marks
30 Objective type structured questions carrying 01 mark each divided into 03 Sections comprising 10 questions each Section - A : Nursing Management Section - B : Nursing Education Section - C : Advance Nursing Practice	: 30 marks
Three descriptive questions (One from each Section)	: 15 marks (5x3=15 marks)
INTERVIEW	: 30 Marks

6. A limited number of Fellowships of **Rs.12,000/- P.M.** with contingency upto **Rs.6,000/-** per annum are available in the subjects **other than the subjects of the Faculties of Medical Sciences and Nursing** and some of the selected candidates may also be considered for the award of **Fellowship** on their merit and research aptitude. The continuation of the Fellowship and utilization of the amount of **Contingency** will be made as per **guidelines** framed by the University from time to time and subject to satisfactory progress report.
7. After selection and deposit of fees, the candidates will have to undergo a **Course Work** of one **Semester** and will have to qualify the same securing at least 55% marks after which they can proceed further with their research work as per provisions of the respective ordinance.
8. The filled in Application Form alongwith the **attested copies** of **testimonials** which make the candidate eligible for admission to the Ph.D. (Doctor of Philosophy) programme must reach the Deputy Registrar (Academic), MM University, Mullana-Ambala, 133-207, **on or before the date as mentioned in the Admission Notice.**
9. The following **documents** will have to be **submitted** by the candidates **alongwith** their **Applications:**
 - (A) **Attested copies** of the:
 - (i) **Matriculation** Pass Certificate or an equivalent Examination Certificate issued by the Board/University for **date of birth.**
 - (ii) **Senior Secondary** Pass Certificate (+2).
 - (iii) **DMCs** of examinations of all the Parts of the **Graduation** Degree.
 - (iv) **DMCs** of Examinations of all the Parts of the **Master's Degree/Qualifying examination** in the relevant discipline.
 - (v) **DMCs** of Examinations of **M.Phil** or any other **Research Degree**, passed by the candidates, if any, also showing the **Papers offered.**
 - (vi) **Character Certificate** reporting on the inter-personal/social behavioral pattern of the applicant issued by the Institution last attended by the candidate.

- (vii) **DMC of the Course Work**, if any, completed from any other recognized University.
 - (viii) **Experience Certificate** indicating the Position held, Period of Service, name of the Organization, etc., wherever applicable.
 - (ix) **No Objection Certificate** from the Employer, must be submitted at the time of Entrance Test/Interview, if not submitted alongwith the Application Form.
 - (x) **Passport/Student Visa** in case of NRI/Foreign candidates.
- (B)**
- (i) **Two** Passport size **Photographs**, duly attested, one of which to be affixed on the Application Form.
 - (ii) **Migration Certificate** in case the last Examination has been passed by the candidate from any Other University (other than the MMU). If not readily available, it can be submitted **within 15 days** from the date of deposit of admission dues.
 - (iii) **Affidavit** against **Ragging** (to be submitted through on-line at the time of depositing the admission dues). The UGC has launched website for filling up the affidavit on-line www.antiragging.in or asking for the details on helpline@antiragging.in.

Note : The candidates will have to produce the **Original documents** at the time of **Written Test/Interview/depositing the admission dues**.

10. The working teachers, engineers and executives who are interested to be admitted as research students for Ph.D Programme should obtain permission from their respective Department and should attach it with their Application Forms.
11. The candidates, who have passed the qualifying examinations from any **Foreign University** will have to submit **Equivalence Certificate** from **Association of Indian Universities (AIU)**, New Delhi and will be considered on fulfilment of the requirements as per relevant provisions of the respective ordinance.

12. RATES OF FEES: The candidates selected for admission to the Ph.D. Programme shall pay the **Admission and other fees** as prescribed by the University from time to time.

Sr. No.	Details	Rates of Fees	Other Streams
		Medical & Nursing Streams	
1.	Admission Fee (including other charges)	₹ 10000/-	10000/-
	One time to be paid at the time of Admission	NRI/Foreign Candidates US \$ 500	
2.(i)	Tuition Fee (including other annual charges)	₹ 50,000/-	₹ 30,000/-
	(Per Annum)	NRI/Foreign Candidates US \$ 5000	NRI/Foreign Candidates US \$ 2500
(ii)	Tuition Fee (including other annual charges) For candidates from Industry & Business Houses (Per Annum)	-	₹ 50,000/-

- Note:** (i) Tuition Fee is to be paid every year in advance. No separate intimation will be sent to the research students for depositing the annual tuition fee.
- (ii) 'Year' to be counted from the date of Admission in each case.
- (iii) Tuition Fee for the first year is payable **at the time of Admission**.
- (iv) In subsequent years, Annual Tuition Fee can be remitted late upto 30 days with a late fee of ₹2500/-. (US \$ 250 in the case of NRI/Foreign Candidates).
- (v) In case Tuition Fee is not paid within the prescribed period as above, registration will stand cancelled without any further notice.

IMPORTANT: For further details please refer to the relevant Ordinance **annexed with this brochure**.