



MAHARISHI MARKANDESHWAR
(DEEMED TO BE UNIVERSITY)
Mullana-Ambala, Haryana
(Established under Section 3 of the UGC Act, 1956)
(Accredited by NAAC with Grade 'A++')

ADMISSION NOTICE-2023 (for Ph.D. PROGRAMME)

Applications are invited by 24-01-2023 for admission to the Ph.D. Programme in the following disciplines:

Sr. No.	Name of Discipline
TECHNICAL STREAM	
1	Agriculture
2	Biotechnology
3	Chemistry
4	Civil Engineering
5	Computer Sc. & Engineering
6	Computer Sc. & Applications
7	Electronics & Comm. Engg.
8	Electrical Engineering
9	English
10	Food Technology
11	Hotel Management
12	Law
13	Mathematics
14	Mechanical Engineering
15	Management
16	Pharmacy
17	Physics
MEDICAL STREAM	
1	Anatomy
2	Bio-Chemistry
3	Community Medicine
4	Microbiology
5	Pharmacology
6	Physiology
7	Physiotherapy
DENTAL STREAM	
1	Nine Specialities of Dental Sciences
NURSING STREAM	
1	Nursing

The MM(DU) also offers **FELLOWSHIPS** of Rs.18,000/- P.M. with **CONTINGENCY** upto Rs.6,000/- per annum (for disciplines other than Medical/Dental/Nursing streams) and some of the selected candidates may be considered for the award of **Fellowships** on their merit and research aptitude.

Except for those **exempted** from **Entrance Test** as per conditions mentioned in the Information Brochure, Admissions will be made on the basis of merit of Entrance Test to be held on 28-01-2023 at 11.00 A.M. followed by interview on the same date. Those **exempted** from **Entrance Test** will also have to **appear** for **interview** on the same date.

APART FROM MASTER'S DEGREE HOLDERS WITH MINIMUM 55% MARKS, **GRADUATES WITH 4-YRS DEGREE PROGRAMME IN AGRICULTURE, DENTAL, ENGINEERING, HOTEL MANAGEMENT, LAW, MEDICAL, NURSING AND PHARMACY WITH 75% MARKS AS MENTIONED IN THE INFORMATION BROCHURE ARE ALSO ELIGIBLE TO APPLY. A RELAXATION OF 5% MARKS OR ITS EQUIVALENT GRADE MAY BE ALLOWED FOR THOSE BELONGING TO SC/ST/OBC (NON-CREAMY LAYER)/PWD/EWS CANDIDATES ALSO.**

Information Brochure containing Application Form and other details can be obtained from the counter of the **MM(DU)** on payment of Rs.1000/- or can be downloaded from the **website** of the **MM(DU)** in which case a Bank Draft of equivalent amount drawn in the name of the **Maharishi Markandeshwar (Deemed to be University)** will have to be **enclosed** with the Application.

REGISTRAR

Ph.: 01731-274475-78 | Fax: 274495
Website: www.mmumullana.org | Email: info@mmumullana.org

ABOUT THE MM(DU)

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 (Deemed to be University), Mullana-Ambala**, was established under the aegis of the reputed Maharishi Markandeshwar Education Trust (now known as Maharishi Markandeshwar 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(DU)** began with the establishment of **MM Engineering College** at Mullana in 1995. Making rapid progress in a short span of 27 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 almost in all major specialties, Super speciality Courses of **DM** (Medical Gastroenterology, Cardiology) and **M.Ch** (Urology, Neuro-Surgery), **Ph.D** in select disciplines and other para medical courses]; **DENTAL SCIENCES** (BDS, MDS and **Ph.D** in all the nine specialities, Diploma in Dental Hygienists, Certificates in Aesthetic Dentistry and Oral Implantology); **PHYSIOTHERAPY** (BPT, MPT in five specialities, **Ph.D.**); **PHARMACY** (B.Pharm, **M.Pharm** in three specialities, **Pharm D**, Ph.D); **NURSING** (B.Sc, M.Sc Nursing in five specialities, P.B. B.Sc Nursing, Ph.D); **ENGINEERING & TECHNOLOGY** (B.Tech, M.Tech, MA/M.Sc/B.Sc., **Ph.D** in various disciplines); **BUSINESS MANAGEMENT** (BBA, MBA, B.Com, **Ph.D.**); **COMPUTER SCIENCE** (BCA, MCA, **Ph.D.**); **HOTEL MANAGEMENT** (BHM&CT; B.Sc Hospitality & Hotel Administration, M.Sc Dietetics, Ph.D.); **LAW** (LL.M., B.A.-LL.B, BBA-LL.B, B.Com-LL.B. 5-yr integrated courses and **Ph.D.**); **AGRICULTURE** [B.Sc. (Honours) Agriculture; B.Sc. (Honours) Agriculture Integrated; M.Sc. (Agronomy); M.Sc. (Entomology) and **Ph.D.**] in addition to recently started Online Courses of BBA, B.Com (Hons.), BCA and MBA as also 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**.

The MM(DU) has placed among rank band 601-800 in by Times Higher Education world University Ranking 2023. While in NIRF ranking of 2022 by MHRD, the MM (DU) has attained **overall rank of 91**, its constituent Institute of **MM College of Pharmacy, Mullana** has attained the **rank of 24**, and **MM College of Medical Sciences and Research** attained the **rank of 32**. This Deemed to be University has also been placed at rank 174 amongst South Asian Universities by world famous QS World University Ranking Asia region. The MM (Deemed to be University) Mullana-Ambala established under Section 3 of the UGC Act, 1956 has also been accredited by the NAAC with CGPA of 3.53 in four point scale at 'A++' grade valid upto **20 December 2026**.

The Sponsoring Trust has the pride privilege of establishing the **first self-financing Engineering College**, **first self-financing Medical College** and the **first self-financing Deemed to be University** in the region. The other Universities developed by the Trust as a part of its expansion programme include MM University, Kumarhatti-Solan (H.P.); and MM University, Sadopur-Ambala (Haryana); in addition to three other MM International Schools at Ramba-Karnal, Sadopur-Ambala and Sonipat with the latest addition of a Nursing College as a constituent Institutes of MM University at Kumarhatti-Solan. MM Medical College & Hospital, Kumarhatti-Solan also happens to be the **first self-financing Medical College** in the State of **Himachal Pradesh**.

The **MM(DU) 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**; 1140-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 with houses** for about **500 faculty and administrative staff**. Recently a most advanced, highly sophisticated, 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, Punjab National Bank, HDFC Bank and ICICI Bank** 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 Gbps** 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 latest computers and licenced softwares**.

The **air-conditioned and computerized Libraries** of this Deemed to be University and its Institutions are **well equipped with rich collection of Books, Journals** with back volumes, **DVDs/CD's/Videos, Theses**, with provision of one- time sitting capacity of **1659 readers**. In total, there are **204272 books and 182448 EBSCO ebooks** academic collection, subscribe **15704 national and international Journals** including **e- journals**.

The Library facilities also include **access to NPTEL Video/Web Courses, Turnitin URKUND Plagiarism Software, IEEE, ASME, ASCE, EBSCO's DOSS, Business Source Elite, Uptodate Lippincott Williams & Wilkins e-collection, K- hub University Collection, SPSS statistics Software, SCC-Online BCI-AIR Database, Bentham Science Pharmacy Collection, Clinicalkey Now etc.** which provide access to all the users of **Engineering, Medical and Dental streams** with full text international **journals**.

This Deemed to be University is also member 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 **36.54 million bibliographic records, 20,235 records** of union catalogues of periodicals; **11,24,250 records** of periodicals articles and **139945 records** of theses and dissertations held by **7794 Libraries** in the States of India and **24 overseas Libraries**. **MEDLARS** is accessible to all users in the disciplines of Medical Science.

The **MM(DU)** make efforts in preparing its students as **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 Deemed to be 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(DU)** 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)

January, 2023

01. Ph.D. Programme is available in the following disciplines:-

Sr. No.	Name of Discipline	Sr. No.	Name of Discipline
TECHNICAL STREAM		MEDICAL STREAM	
1.	Agriculture	1.	Anatomy
2.	Biotechnology	2.	Bio-Chemistry
3.	Chemistry	3.	Community Medicine
4.	Civil Engineering	4.	Microbiology
5.	Computer Sc. & Applications	5.	Pharmacology
6.	Computer Science & Engg	6.	Physiology
7.	Electronics & Comm. Engg.	7.	Physiotherapy
8.	Electrical Engineering	DENTAL STREAM	
9.	English	1.	Conservative Dentistry & Endodontics
10.	Food Technology	2.	Oral Pathology
11.	Hotel Management	3.	Oral & Maxillofacial Surgery
12.	Law	4.	Orthodontics & Dentofacial Orthopaedics
13.	Mathematics	5.	Oral Medicine & Radiology
14.	Management	6.	Paediatric & Preventive Dentistry
15.	Mechanical Engg.	7.	Periodontology
16.	Pharmacy	8.	Prosthodontics and Crown & Bridge
17.	Physics	9.	Public Health Dentistry
		Nursing	
		1.	Nursing

02. The candidates before filling up the Application Form should satisfy themselves that they fulfil the **eligibility conditions** as per provisions of the **Ordinance** of the respective **Ph.D Programme annexed** with this Brochure.
03. The selection of the candidates for admission to the Ph.D programme will be made on the basis of merit of the **Entrance Test** to be conducted by the MM (DU) followed by **Interview** by the respective Research Advisory Committee. Those who have qualified UGC/CSIR NET in respective disciplines (other than Dental, Nursing and Medical including Physiotherapy streams) or NET from Agriculture Scientists Recruitment Board for admission to Ph.D. in Agriculture 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 on the same date** which will also expose the candidates about their depth in the subject, research aptitude, area of research, suitability, etc.
04. The **Entrance Test** shall have to be qualified by obtaining at least **50%** (45% in case of SC/ST/Physically Handicapped) qualifying marks. The **Syllabus** of the **Entrance Test** shall consist of **Research Methodology** and in the **subject concerned** at **PG/UG level** in Indian Universities.

05. PATTERN OF ADMISSION TEST AND INTERVIEW UNIFORMLY APPLICABLE TO ALL THE DISCIPLINES

ADMISSION TEST: Duration	: 02 Hours
Maximum Marks	: 70
Part - I	Research Methodology (Common for all) : 35 marks
	35 Objective Type structured questions carrying 01 mark each
Part - II	Subject concerned : 35 marks
	35 Objective Type structured questions carrying 01 mark each
Academic Merit	
(for those entitled to	Master's Degree : 40 Marks
Exemption from	Bachelor's Degree : 20 Marks
Entrance Test)	+2 : 10 Marks
INTERVIEW	: 30 Marks

Note: (1) **Interview** will be applicable to all the candidates, those appearing in **Entrance Test** and also those **Exempted** from the **Entrance Test**.

(2) **All the candidates** who have appeared in the **Entrance Test** as also those **Exempted from the Entrance Test**, will also be interviewed **on the date as mentioned in the Admission Notice**.

(3) 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**.

06. After selection and deposit of fees, the candidates will have to undergo a **Course Work** of one **Semester** and will have to attain 75% attendance to become eligible to appear in the examination of Course Work. They will have to qualify the same securing at least **55%** marks. After getting their topics of research and synopses approved, all the Research Students can proceed further with their research work as per provisions of the Ordinance.

07. The filled in **Application Form** along with 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 (Deemed to be University), Mullana-Ambala, 133-207, **on or before the last date as mentioned in the Admission Notice**.

08. The following **documents** will have to be **submitted** by the candidates **alongwith** their **Applications**:

(A) **Attested copies** of the:

- **Matriculation** Pass Certificate or an equivalent Examination Certificate issued by the Board/University for **date of birth**.
- **Senior Secondary** Pass Certificate (+2).
- **Detailed Mark Cards (DMCs)** of examinations of **all the Parts** of the **Graduation** Degree.
- **DMCs** of Examinations of **all the Parts** of the **Master's Degree/Qualifying examination** in the relevant discipline.
- **DMCs** of Examinations of **M.Phil** or any other **Research Degree**, passed by the candidates, if any, also showing the **Papers offered**.
- **Certificate of qualifying the NET/SLET/NET** from **UGC/CSIR and GATE from Agriculture Scientists Recruitment Board** for admission to Ph.D in Agriculture.
- **Character Certificate** reporting on the inter-personal/social behavioral pattern of the applicant issued by the Institution last attended by the candidate.
- **SC/ST/OBC (Non-creamy layer)/Differently-abled/EWS and other categories of Certificate(s)**.
- **Experience Certificate** indicating the Position held, Period of Service, name of the Organization, etc., wherever applicable.
- **No Objection Certificate** from the Employer, must be submitted at the time of Entrance Test/Interview, if not being submitted alongwith the Application Form.
- **Passport/Student Visa** in case of NRI/Foreign candidates.

(B) • **Two Passport size Photographs**, duly **attested**, one of which to be **affixed** on the Application Form.

- **Migration Certificate** in case the last Examination has been passed by the candidate from any **other University**, [other than the MM (DU)]. If not readily available, it can be submitted **within 15 days** from the date of deposit of admission dues.
- **Undertaking 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 undertaking on-line www.antiragging.in or asking for the details on helpline@antiragging.in.
- Any other relevant document.

Note : The candidates will have to produce the **original documents** at the time of depositing the admission dues.

09. All those in service should obtain permission from their respective Department/Office and should attach it with their Application Forms.
10. 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 fulfillment of the requirements as per relevant provisions of the Ordinance.
11. **RATES OF FEES:** The candidates selected for admission to the Ph.D. Programme shall pay the Admission and other fees as prescribed by the MM(DU) from time to time.

Sr. No.	Details	Rates of Fees	Other Streams
		Medical, Physiotherapy, Dental & Nursing Streams	
1.	Registration/Admission Fee One time to be paid at the time of Admission	• 18,000/-	• 12,000/-
		NRI/Foreign Candidates US \$ 500	
2. (i)	Tuition Fee (Per Annum including other annual charges)	• 90,000/-	₹ 75,000/-
2. (ii)	NRI/Foreign Candidates (Per Annum)	US \$ 5000	US \$ 2500

- 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 alongwith admission dues.**
- In subsequent years, Annual Fees will have to be paid on or before the last date of completion of the ongoing year. It can also be remitted late upto 30 days with a late fee of ₹2500/-. (US \$ 250 in the case of NRI/ Foreign Candidates).
 - In case Tuition Fee is not paid within the prescribed period as above, registration will stand cancelled without any further notice.
 - Hostel fee will be paid by Hostel residents only.

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

12. RESEARCH FELLOWSHIP:

The Maharishi Markandeshwar (Deemed to be University) also offers **Research Fellowship** of Rs.18,000/- P.M. with **Contingency Grant** upto Rs.6,000/- per year to some of the scholars enrolled for Ph.D. in **various disciplines (other than those of medical streams i.e Dental, Nursing and Medical including Physiotherapy)**. The **Fellowships** will be awarded taking into consideration the overall **merit and research aptitude** of the scholars with the **following conditions:**

1. (i) **Initially the Fellowship** will be awarded for **one year** w.e.f. the date of completion of the course work extendable for a **maximum period of next two years on year to year basis** or **till** the date of submission of the **Thesis whichever is earlier**.
 - (ii) Each **Scholar** of Ph.D., who is awarded **Fellowship**, will have to work on **whole time basis** and will **attend the Institute/Department regularly** to carry on his/her Research work under the guidance of his/her supervisor and will have to **mark his/her attendance on Biometric Machine**.
 - (iii) The Scholar will have to **undertake academic load of 6-8 hours a week** to be assigned by the HOD/Institution.
 - (iv) The Scholar will regularly submit his/her **six monthly Progress Report** to be **monitored** by the **Research Advisory Committee** as further **continuance of Fellowship** will depend on **satisfactorily Progress Report** of the research work done by him/her.
2. (i) The Scholar will preferably **publish** at least **one Research Paper per year** in impact factor journal **indexed with Scopus/Web of Science/Pubmed**.
 - (ii) The Scholar will complete his/her Ph.D. Programme and shall submit his/her Ph.D. Thesis within the prescribed period as per provisions under the **rules failing which he/she will have to refund the entire amount drawn by him/her under Fellowship**.
 - (iii) After completion of the Ph.D., this Deemed to be University will have first right to utilize the services of the scholar on a teaching/academic assignment for a period of at least three years with salary as prescribed by this Deemed to be University, failing which whole amount of **Fellowship** drawn by the scholar will have to be **refunded** by him/her to which effect a **bond** will have to be **executed** by each of them while conveying his/her acceptance.
3. **Contingency of Rs.6,000/-per year** will be **utilized** as per following **guidelines**:
 - Expenditure will be incurred on the recommendations of the Supervisor concerned with prior approval of the competent authority.
 - The equipments and books purchased, if any, out of the Contingency grant will be the property of the concerned Institute/College and will have to be deposited in the Institute **at the time of submission of the thesis**.
 - Other guidelines issued from time to time will also be applicable to the Scholars.
- Note:** Usually not more than **ONE Fellowship** will be allocated to any subject/discipline.
4. Applications for Fellowships will have to be submitted within 30 days from the date of deposit of Admission dues and joining as a Research Scholar in the MM(DU) through proper channel with the recommendations of the Principal/Director/HOD concerned.

MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY)
MULLANA- AMBALA (HARYANA)-133207
(Established under section 3 of the UGC Act, 1956)
(Accredited by NAAC with Grade 'A++')

ORDINANCE – DOCTORATE OF PHILOSOPHY (PH.D.)
(Applicable to all the Faculties of the MM(DU))

1. INTRODUCTION

- (1) Based on UGC Regulations of 2022*, this Ordinance is applicable to the research Programme leading to the award of Degree of Doctor of Philosophy (Ph.D.) which may be undertaken in any of the Institutes/Departments of the MM(DU) fulfilling the academic, administrative and infrastructure requirements as specified by the UGC.
- (2) No research programme for the award of Ph.D. Degree shall, however, be undertaken through distance education mode.

2. ACADEMIC CONTROL:

- (1) Subject to general control of the Academic Council, research studies for Ph.D. Programme shall be organized by the respective Board of Studies assisted by the Research Advisory Committee (**RAC**) in concerned disciplines.

3. ELIGIBILITY CRITERIA:

The following are eligible to seek admission to the Ph.D. programme:

- (1) The candidates who have completed:
 - i. A 1-year/2-semester master's degree programme after a 4-year/8-semester bachelor's degree programme or a 2-year/4-semester master's degree programme after a 3-year bachelor's degree programme or qualifications declared equivalent to the master's degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade in a point scale wherever grading system is followed.

OR

Equivalent qualification from a foreign educational institution accredited by an assessment and accreditation agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that

*UGC (Minimum Standards and Procedures for Award of Ph.D. Degree Regulations, 2022
[No. F.1-3/2021 (QIP) dated 7-11-2022])

accredit or assure quality and standards of the educational institution. Provided that a candidate seeking admission after a 4-year/8-semester bachelor's degree programme should have a minimum of **75%** marks in aggregate or its equivalent grade on a point scale wherever the grading system is followed.

- (2) Candidates who have completed the M.Phil. programme with at least **55%** marks in aggregate or its equivalent grade in a point scale wherever grading system is followed or equivalent qualification from a foreign educational institution accredited by an assessment and accreditation agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country to assess, accredit or assure quality and standards of educational institutions, shall be eligible for admission to the Ph.D. programme.
- (3) A relaxation of **5%** marks or its equivalent grade may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently-Abled, Economically Weaker Section (EWS) and other categories of candidates as per the decision of the Commission from time to time.

4. DURATION OF THE PROGRAMME:

- (1) Ph.D. Programme shall be for a minimum duration of three **(3)** years, including course work, and a maximum duration of six **(6)** years from the date of admission to the Ph.D. programme.
- (2) A maximum of an additional two **(2)** years can be given through a process of re-registration, provided, however, that the total period for completion of a Ph.D. programme should not exceed eight **(8)** years from the date of admission in the Ph.D. programme.

Provided further that, female Ph.D. scholars and Persons with Disabilities (having more than **40%** disability) may be allowed an additional relaxation of two **(2)** years; however, the total period for completion of a Ph.D. programme in such cases should not exceed ten **(10)** years from the date of admission in the Ph.D. programme.

Further provided that the Ph.D. scholars will have to seek yearly extension in case the work is not likely to be completed within the four years from the date of registration.

- (3) Female Ph.D. Scholars may be provided Maternity Leave/Child Care Leave for up to **240** days in the entire duration of the Ph.D. programme.

5. PROCEDURE FOR ADMISSION:

- (1) The admission shall be based on the criteria notified by the MM(DU), keeping in view the guidelines/norms in this regard issued by the UGC and other statutory/regulatory bodies concerned, and taking into account the reservation policy of the Central/State Government from time to time as applicable to the self financing institutions.
- (2) Admission to the Ph.D. programme shall be made by MM(DU) using the following methods:
 - i. MM(DU) may admit students, who qualify for Fellowship/ Scholarship in UGC-NET/UGC-CSIR NET/GATE/CEED or NET in Agriculture and similar National level tests based on an interview. They are not required to appear in the Entrance Test.

AND/OR

- ii. MM(DU) shall invite applications through advertisements in leading newspaper(s) and on institutional website and may admit students through an Entrance Test conducted at the level of the MM(DU). The Entrance Test shall be based on **50%** of research methodology, and **50%** shall be subject-specific.
 - iii. Students who have secured **50%** marks in the entrance test are eligible for the interview.
 - iv. A relaxation of **5%** marks will be allowed in the entrance examination for the candidates belonging to SC/ST/OBC/differently-abled category, Economically Weaker Section (EWS), and other categories of candidates as per the decision of the Commission from time to time.
 - v. MM(DU) may decide the number of eligible students to be called for an interview based on the number of Ph.D. seats available.
 - vi. Provided that for the selection of candidates based on the entrance test conducted by the MM(DU), a weightage of **70%** for the entrance test and **30%** for the performance in the interview/viva- voce shall be given.
- (3) **The MM(DU) shall:**
- i. Notify a Prospectus well in advance on the institution's website specifying the number of seats for admission, subject/discipline-wise distribution of available seats, criteria for admission, the procedure for admission, and all other relevant information for the candidates; and
 - ii. Adhere to the National/State-level reservation policy, as applicable to self-financing institutions from time to time.

- (4) The MM(DU) shall maintain a list of Ph.D. supervisors (specifying the name of the supervisor, his or her designation, and the department/school/centre), along with the details of Ph.D. scholars (specifying the name of the registered Ph.D. scholar, the topic of his/her research and the date of admission) admitted under them on the website of the institution and update this list every academic year.
- (5) Every year the RAC shall admit Research Students depending upon the number of available Research Supervisors, required infrastructure, research promotion facilities, research labs, library and availability of such other academic and physical facilities keeping in view the norms regarding teacher-scholar ratio as referred to in clause 6(3) hereunder.
- (6) In pursuance of the Admission Notice got published by the MM(DU), the applications as received shall be submitted to the Institution/Department concerned where the same will be scrutinized for further necessary action.
- (7) After deposit of the dues, the candidate will submit the synopsis of his/her proposed research programme for presentation of a seminar before the Research Advisory Committee concerned and allocation of Supervisor from within the Department/Institute and if need be, a Co-Supervisor from other Departments/Institutes. The synopsis approved by the Research Advisory Committee will be placed before the Board of Studies of the Department/Institute for its consideration and approval. However, the process of submission of the synopsis in the case of those who were required to undergo course work will start after the satisfactory completion of the course work. The candidates will be required to finalize their synopses and topics in the Institute/College within one month of the declaration of result of course work.

Provided that the candidates who are exempted from undergoing the course work will be required to get their topics and synopsis finalized from the Research Advisory Committee (RAC) within one month from the date of deposit of the admission dues.

- (8) The RAC shall consider the topic and synopsis of research programme presented by the candidate in the form of a Seminar whether the candidate possesses the competence for undertaking the proposed research, if his/her work can suitably be undertaken at the MM(DU) and if the proposed area of research can contribute to new/additional knowledge in research. Wherever required the topic with synopsis will also be got examined by the Ethics Committee.
- (9) The recommendations with regard to the suitability of the research scholars made by the RAC approved by Board of Studies and Academic Council shall be final.
- (10) The selected candidates will have to deposit the admission dues as prescribed by the MM(DU) from time to time and will be enrolled as a research scholar w.e.f. the date he/she deposits the fee.

- (11) After approval of the topic and synopsis of the research scholar with name of the Supervisor by the RAC, the Chairperson of the RAC will upload/host the synopsis and the topic approved on the INFLIBNET website of Shodhgangotri (shodhganga, inflibnet.ac.in) within 15 days of the approval by the RAC with a soft copy of the same in the form of PDF file to the MM(DU) Coordinator of INFLIBNET.
- (12) The research topic of a candidate can be allowed to be modified within one year from the date of approval of the topic and the synopsis by the Research Advisory Committee (RAC). However, the date of registration shall remain the same. In case the research topic of the Ph.D. Programme of any candidate is modified at any subsequent stage, the synopsis on the modified topic will also have to be got uploaded on the website of the INFLIBNET by the Chairman, Research Advisory Committee (RAC) within fifteen days of the approval of the same by the Research Advisory Committee (RAC) and will finally be approved by the Academic Council on the recommendations of the Board of Studies.

Further the candidate will be required to work for atleast two years on changed topic from the date of approval of the same by the Research Advisory Committee (RAC) subject to maximum duration of six year.

6. ALLOCATION OF RESEARCH SUPERVISOR:

Eligibility criteria to be a Research Supervisor, Number of Ph.D. scholars permissible per supervisor, etc. shall be as under:

- (1) Permanent faculty members working as Professor/Associate Professor of the MM(DU) with a Ph.D./MD or MS or MDS and at least five research publications in peer-reviewed or refereed journals and permanent faculty members working as Assistant Professors with a Ph.D., and at least three research publications in peer-reviewed or refereed journals may be recognized as a Research Supervisor in the MM(DU) where the faculty member is employed or in its constituent Post-graduate Institutes/Colleges. Such recognized research supervisors cannot supervise research scholars in other institutions. Ph.D. awarded by a university under the supervision of a faculty member who is not an employee of the MM(DU) or its constituent Institutes would be in violation of these Regulations.

Provided that in areas/disciplines where there is no, or only a limited number of peer-reviewed or refereed journals, the MM(DU) may relax the above condition for recognition of a person as Research Supervisor with reasons recorded in writing.

- (2) In case of interdisciplinary/multidisciplinary research work, if required, a Co-Supervisor from outside the Institute/ Department/MM(DU) may be appointed.

- (3) An eligible Professor/Associate Professor/Assistant Professor can guide up to eight **(8)**/six **(6)**/four **(4)** Ph.D. scholars, respectively, at any given time.

Provided that seat allocated to a Research Supervisor shall be treated as vacant from the date of submission of Ph.D. Thesis by any research student working under his/her supervision.

Provided further that if the Supervisor of a candidate leaves the MM(DU) before the completion of the research work or is otherwise unable to see the work due to some valid reason(s), the Vice-Chancellor may allow the change of the Supervisor, on the recommendations of the RAC.

- (4) In case of relocation of a female Ph.D. scholar due to marriage or otherwise, the research data shall be allowed to be transferred to the Higher Educational Institution to which the scholar intends to relocate, provided all the other conditions in these Regulations are followed, and the research work does not pertain to a project sanctioned to the parent Institution/Supervisor by any funding agency. Such scholar shall, however, give due credit to the parent institution and the supervisor for the part of research already undertaken.
- (5) Faculty members with less than three years of service before superannuation shall not be allowed to take new research scholars under their supervision. However, such faculty members can continue to supervise Ph.D. scholars who are already registered until superannuation and as a co-supervisor after superannuation, but not after attaining the age of 70 years.
- (6) Admission Fees, Annual Fee, Evaluation Fee, etc. to be paid by the candidate shall be prescribed by the MM(DU) from time to time. In case any candidate does not pay his/her dues in time, his/her registration/enrolment shall be cancelled without any further notice.

7. COURSE WORK:

Credit requirements, number, duration, syllabus, minimum standards for completion, etc. shall be as under:

- (1) The Credit requirement for the Ph.D. Course Work is a minimum of 12 credits, including a "Research and Publication Ethics" course as notified by UGC vide D.O. No.F.1-1/2018(Journal/CARE) in 2019 and a research methodology course. The RAC can also recommend UGC recognized online courses as part of the credit requirements for the Ph.D. programme.
- (2) All Ph.D. scholars, irrespective of discipline, shall be required to train in teaching/education/pedagogy/writing related to their chosen Ph.D. subject during their doctoral period. Ph.D. scholars may also be assigned 4-6 hours per week of teaching/research assistantship for conducting tutorial or laboratory work and evaluations.

- (3) A Ph.D. scholar must obtain a minimum of **55%** marks or its equivalent grade in the UGC 10-point scale in the course work to be eligible to continue in the programme and submit his or her thesis.
- (4) Each of the candidates shall be required to complete the Course Work during the initial semester and shall have to attend not less than **75%** of the lectures delivered in each of the Papers of the Course Work. However, **10%** of the shortage of lectures may be condoned by the Principal/HOD on genuine reasons.

8. RESEARCH ADVISORY COMMITTEE (RAC) AND ITS FUNCTIONS:

- (1) There shall be a Research Advisory Committee for each of the Ph.D. Programmes comprising the following with Director/Principal/HOD of the Institute/Department as Chairperson of the RAC:
 - All Professors of the Department/Institute.
 - One Associate Professor of the Institute/Department, if possessing the research degree of Ph.D/MD/MS/MDS on year to year basis.
 - One Assistant Professor of the Institute/Department, if possessing research degree of Ph.D. on year to year basis.

The Research Supervisor of the Ph.D. scholar concerned shall be the Convener of this committee, and this committee shall have the following responsibilities:

- i. To review the research proposal and finalize the topic of research as also to assign the Supervisor.
 - ii. To guide the Ph.D. scholar in developing the study design and methodology of research and identify the course(s) that he/she may have to do.
 - iii. To periodically review and assist in the progress of the research work of the Ph.D. scholar.
- (2) Each semester, a Ph.D. scholar shall appear before the RAC to make a presentation and submit a brief report on the progress of his/her work for evaluation and further guidance. The RAC shall submit its recommendations along with a copy of Ph.D. scholar's progress report to the MM(DU). A copy of such recommendations shall also be provided to the Ph.D. scholar.
 - (3) In case the progress of the Ph.D. scholar is unsatisfactory, the RAC shall record the reasons for the same and suggest corrective measures. If the Ph.D. scholar fails to implement these corrective measures, the RAC may recommend, with specific reasons, the cancellation of the registration of the Ph.D. scholar from the Ph.D. programme.

9. ADMISSION OF INTERNATIONAL STUDENTS:

- (1) Each supervisor can guide up to two international research scholars on a supernumerary basis over and above the permitted number of Ph.D. scholars as specified in clause 6.3 above.
- (2) A Foreign/NRI candidate seeking admission to Ph.D. Programme shall submit a brief outline of the proposed area of research alongwith the application form for admission to Ph.D. Programme and also two reference letters from Professors of some other University to the Head of Department/Principal of the College/Institute concerned for consideration by the RAC.
- (3) A Foreign/NRI candidate who is not present in India at the time of Entrance Test shall need to achieve atleast 5 in IELTS Academic or 60 in TOEFL or 150-154 in GRE or 600 in GMAT or qualify in any other equivalent entrance test in their home country. Their merit will be decided on the basis of marks obtained at 10+2 level, Bachelor Degree and Master Degree level (other than M.Phil) as per following criteria:

Level of Examination	Weightage
Master's Degree	40 Marks
Bachelor's Degree	20 Marks
10+2 Examination	10 Marks

The merit will be followed by online Interview (having a weightage of **30** marks) on the basis of a brief outline of the proposed area of research submitted by the candidate.

Provided that a minimum of **50%** marks shall be qualifying marks for determining the merit of total weightage i.e. **70+30** Marks.

- (4) All the recommendations of the RAC with regard to admission of the candidates of Ph.D. programme in the Institutes/ Colleges/Departments shall be placed before another Committee headed by the Vice-Chancellor which will include following members for taking final decision/approval regarding allowing admission to the concerned Foreign/NRI student:-
 - (i) **Dean of Faculty concerned**
 - (ii) **Principal/HOD**
 - (iii) **Proposed Supervisor**
- (5) The period of stay of three years while pursuing Ph.D. Programme including six months' course work shall be mandatory and there shall be no exemption of period for Foreign/NRI research student.
- (6) At any point, the total number of Ph.D. scholars under a faculty member, either as a supervisor or a co-supervisor, shall not exceed the number prescribed in clause 6.3 and clause 9.1.

10. EVALUATION AND ASSESSMENT:

- (1) Upon satisfactory completion of Course Work and obtaining the marks/grade prescribed in clause **(3)** of Regulation 7 above, the Ph.D. scholar shall be required to undertake research work and produce a draft dissertation/thesis.

- (2) Before submitting the thesis, the Ph.D. scholar shall make a presentation before the RAC, which shall also be open to all faculty members and other research scholars/students and thereafter will have to submit the thesis within three months from the date of presentation or upto the date of the expiry of the Ph.D. registration period whichever is earlier.
- (3) The MM(DU) shall have a mechanism using well-developed software applications to detect Plagiarism in research work and the research integrity shall be an integral part of all the research activities leading to the award of a Ph.D. degree.
- (4) A Ph.D. scholar shall submit the thesis for evaluation, along with **(a)** an undertaking from the Ph.D. scholar that there is no plagiarism; and **(b)** a certificate from the Research Supervisor attesting to the originality of the thesis and that the thesis has not been submitted for the award of any other degree/diploma to any other Higher Educational Institution.
- (5) The thesis shall be presented in English only, unless the topic requires it otherwise.
- (6) The Research Scholar shall submit four typed or Photostat copies of his/her Thesis alongwith six soft copies of the same in the form of CD in PDF file and six copies of summary of the Thesis in about 1000 words.
- (7) The Ph.D. thesis submitted by a Ph.D. scholar shall be evaluated by his/her Research Supervisor and at least two external examiners of the rank of Professor at reputed Universities/Institutions, who are experts in the field and not in employment of the MM(DU). Such examiner(s) should be academics with a good record of scholarly publications in the field selected by the Vice-Chancellor from a Panel of names of eminent Professors recommended by the Board of Studies in the respective discipline comprising at least five **(5)** Professors from reputed Universities/Intuitions within the country and five **(5)** from abroad. Wherever possible, one of the external examiners should be chosen from outside India. The viva-voce board shall consist of the Research Supervisor and at least one of the two external examiners and may be conducted online. The viva-voce shall be open to the members of the Research Advisory Committee/faculty members/research scholars, and students.
- (8) The viva-voce of the Ph.D. scholar to defend the thesis shall be conducted if both the external examiners recommend acceptance of the thesis after incorporating any corrections suggested by them. If one of the external examiners recommends rejection, the thesis shall be sent to an alternate external examiner from the approved panel of examiners, and the viva-voce examination shall be held only if the alternate examiner recommends acceptance of the thesis. If the alternate examiner does not recommend acceptance of the thesis, the thesis shall be rejected, and the Ph.D. scholar shall be declared ineligible for the award of a Ph.D. In case of any doubt conflict between the reports by the External Examiners, the matter will be referred to the Research Degree Committee comprising the Vice-Chancellor, the Dean of the Faculty concerned and the HOD/Dean Research which will examine the reports for making recommendations to the Vice-Chancellor if the thesis be referred to the third examiner or viva-voce to be got conducted.

- (9) The MM(DU) shall complete the entire process of evaluating a Ph. D. thesis, including the declaration of the result of the viva-voce, within a period of six **(6)** months from the date of submission of the thesis.

11. PH.D. THROUGH PART-TIME MODE:

- (1) Ph.D. programmes through part-time mode will be permitted, provided all the conditions stipulated in these Regulations are fulfilled.
- (2) The MM(DU) shall obtain a “No Objection Certificate” through the candidate for a part-time Ph.D. programme from the appropriate authority in the organization where the candidate is employed, clearly stating that:
- i. The candidate is permitted to pursue studies on a part-time basis.
 - ii. His/Her official duties permit him/her to devote sufficient time for research.
 - iii. If required, he/she will be relieved from the duty to complete the course work.

12. ISSUING A PROVISIONAL CERTIFICATE:

Prior to the actual award of the Ph.D. degree, the MM(DU) shall issue a provisional certificate to the effect that the Ph.D. is being awarded in accordance with the provisions of these Regulations.

13. DEPOSITORY WITH INFLIBNET:

Following the successful completion of the evaluation process and before the announcement of the award of the Ph.D. degree(s), the MM(DU) shall submit an electronic copy of the Ph.D. thesis to INFLIBNET, for hosting the same so as to make it accessible to all the Higher Educational Institutions and research institutions.

MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY)

MULLANA-AMBALA- 133207 (HARYANA)

(Established under Section 3 of the UGC Act, 1956)

(Accredited by NAAC with Grade 'A++')

APPLICATION FORM FOR ADMISSION TO THE Ph.D PROGRAMME (2023)

1. Name of the candidate :
(in block letters)

2. Father's Name :
(in block letters)

Occupation:

3. Mother's Name :
(in block letters)

Occupation:

4. Date of Birth :
(proof to be attached)

5. Postal Address for Communication:
City State Pin

Ph:(with STD Code)/Mobile : Email ID

6. Permanent Address:

7. State of Domicile District

8. Nationality NRI Foreigner
(other than NRI)

9. Please tick below whichever is applicable (for statistical information)

Male Female Gen SC ST BC OBC PH ESM

10. Name of DISCIPLINE for admission to Ph.D Programme:

11. Details of Examinations Passed:

Name of Examinations*	Name of the University/Board	Name of the Institution	Month/Year of Passing	Subject(s)	Maximum Marks	Marks Obtained	% Marks & Division
Matric							
10+2							
Graduation**							
Master's Degree** (subject)							
M.Phil							
UGC/CSIR NET/SET/ SLET or GATE							
Any other**							

*Attested copies of all the certificates/DMC's/Degrees to be enclosed.

**Mention name of the degree.

12. Basis for seeking Exemption from appearing in the Entrance Test.

Examination qualified	Name of the Examining Body	Month & Year	Supporting documents enclosed, if any.
NET/GATE/SLET (for Non Medical)			

P.T.O.

13. Details, if in employment:*

Name of the Org/ University/Institute	Name of post	Present Pay & Grade	Nature of Appointment	Date of Joining	Remarks
Previous Experience, if any					

* No Objection from the Employer to be enclosed.

14. Area(s) of interest for research: _____
(one page note to be attached)

15. Details, if already registered/worked for Ph.D. in MM(DU) or elsewhere :

Name of the University/Institute	Subject for which registered	Topic of research	Name of the Supervisor	Period	Reasons for leaving

Declaration by the candidate:

I declare that entries made by me in this Application Form are true and correct in all respects and in case any entry or information given by me in this form is found to be false, this shall entail automatic cancellation of my admission besides rendering me liable to such action as this Deemed to be University may deem fit.

I have noted that my admission to the Ph.D. Programme and my continuance on its rolls are subject to the provisions of the MM (DU) and other rules and instructions as may be applicable from time to time. I also undertake that I shall abide by the rules of discipline and proper conduct as are applicable from time to time in the MM (DU) and its institutions.

I am fully aware of the Regulations of the UGC and other Regulating Bodies and law regarding ragging as well as the punishment and that if found guilty on this account, I am liable to be punished accordingly. I undertake that I shall not indulge in any act of ragging. I also undertake that I have read and understood the Information Brochure 2023 of Ph.D. Programme, issued by this Deemed to be University.

Place

Date

Signature of candidate

For office use only

This is to certify that:

1. Basis on which the candidate is entitled for exemption in Entrance Test. _____
2. The topic of Mr./Ms. _____ S/o Shri _____ has been approved by the Board of Studies in _____ for Registration to Ph.D. _____ as under :
Resolution No. of BOS _____ dated _____
Topic : _____
Name of the Supervisor: _____
If the Supervisor has consented: _____

Dated : _____

Signature of DIRECTOR/PRINCIPAL/HOD
(Chairman, Board of Studies)

Dy. Registrar (Regn.)