Ph.D. in Engineering and Technology Management (Full time and Part time) - (Batch-2025)

Instruction Sheet

1. **Introduction:**

   The MPSTME PhD program has been designed with the objective of strengthening and supporting research culture among research scholars. They are encouraged to develop adequate depth in the subject area. Emphasis is laid on interdisciplinary research. Research Scholars are encouraged to pursue interdisciplinary research and propose and develop solutions to real life issues. The institute supports students in gaining knowledge and developing the right attitude and skills to do world class research.

   Experienced, dedicated supervisors with a wide range of research skills assist in achieving the above goals. Needless to mention that MPSTME Supervisors and Research Scholars have published papers in reputed journals with high impact factor.

   Progress of the work done by research scholars monitored by leading academicians and experts from the industries. Frequent monitoring of progress in research work and participation in quality publications ensures regular, timely and quality research.

   Institute has MoUs with various Hospitals and Research centers. Additionally, research scholars get options to choose collaborative research. State of the art AI lab with high end Processors with GPUs are available to encourage research in latest cutting technology.

   The emphases have been given to latest development in industry wherein expertise is required. The steps have been taken to further strengthen the present system in the country while framing the syllabus of course work.

2. **Duration of the Programme:** Minimum 03 years including course work & maximum 06 years

3. **Intake:**

Sr No	Department	Eligibility	Campus	Domain	Seats
1	Electronics & Telecommunication	Master's degree in Computer, Information Technology, Electronics, Electronics & Telecommunication	Mumbai	• Wireless Communication and Satellite Communication • Signal Processing, Speech and Image processing,	2 2 4

	Engineering	Engineering, Electrical, Mechatronics		• Computer vision, Bio medical Signal Processing	5
				• Embedded Systems, WSN, IoT and Power Electronics	1
				• Renewable Energy, materials	1
				• Error Coding, Image Processing	
			Hyderabad	• Wireless Communication	4
				• Antenna	
				Total	**19**
2	Computer Engineering	Master's degree in Computer, Information Technology, Electronics, Electronics & Telecommunication Engineering, Electrical, Mechatronics	Mumbai	• Cloud Computing	2
				• AIML	8
				• Data Analytics/ Data Science with ML	6
				• Block Chain	2
				• Image & Video processing and security	8
			Shirpur	• Cloud Computing	6
				• High performance computing	2
				• Machine Learning/ Deep Learning	13
				• AI and ML in Agricultural Application	2
				• Big Data Analytics	2
				• Human-centered design and automation Tools	2
				• Data Science	5
			Indore	• Data Analytics	3
				• Image Processing and Computer Vision,	2
				• Artificial Intelligence	4
				• Machine Learning	2
				• Data Mining	2
				• Cyber Security	2
				• Natural Language Processing IOT with Cross Domain Applications	1
				• Big Data Analytics	1
				• Cloud Computing	1
				• Software Engineering	1
				• Web Programming	1
				• Distributed Computing	1
			Navi Mumbai	• Artificial Intelligence, Machine Learning & Deep Learning	2
				• Image Processing & Computer Vision	2

			Location	Specialization	No.
				• Meta-heuristics algorithms, Evolutionary Computation	2
			Chandigarh	• Networking, Image Processing and Block chain	2
				• Computational and Cognitive Neuroscience, Artificial Intelligence	2
				• Cloud Computing	2
				• Meta-heuristics algorithm, clustering, feature Engineering	2
			Hyderabad	• Cloud Computing	1
				• Machine Learning	1
				• Cyber Security	1
				Total	**96**
3	Information Technology	Masters degree in Computer, Information Technology, Electronics, Electronics & Telecommunication Engineering, Electrical, Mechatronics	Mumbai	• Generative & Explainable AI, NLP and Social Media Analytics	1
				• Quantum Computing & Machine Learnng	4
				• Generative & Explainable AI (XAI), Data Security in IoT, DevSecOps & DevOpsMl	1
				• Smart Grid Cybersecurity and Anomaly Detection, Energy Forecasting and Optimization in Smart Grids	1
				• Cybersecurity / Digital Forensics/ Governance, Risk and Compliance/ Data Privacy/ Technology Adoption	1
				• IOT, Machine Learning, Protocol Stack	1
			Shirpur	• Data Mining and warehouse	3
				• Ad-Hoc Networks, Network Security & Cryptography	2
				• Block chain Technology & information security	3
				• Image Forensic	1
				• Internet of Vehicles	1
				Total	**19**

4	Artificial Intelligence	Master's degree in Artificial Intelligence, Computer, Information Technology, Electronics, Electronics & Telecommunication Engineering, Electrical, Mechatronics, Data Science	Mumbai	• Artificial Intelligence • Machine Learning, Deep Learning • Natural Language Processing • Gen AI • AI in Healthcare	1 1 1 1 1
				Total	**5**
5	Civil Engineering	Master's degree in Civil Engineering, Construction	Mumbai	• Geotechnical Engineering • Water Resource Engineering • Structural Engineering • Geology	4 2 2 2
				Total	**10**
6	Mechanical Engineering	Masters degree in Mechanical, Production, Mechatronics, Automobile, Automation, Robotics Engineering	Mumbai	• Solar Thermal Systems, Alternative Fuel in IC Engine and Heat Transfer • Remanufacturing • Manufacturing • Operations	3 2 2 2
			Chandigarh	• Heat transfer and nanoparticles, surface coating	2
			Shirpur	• Material Engineering, • Mechanical design • Mechatronics Systems • Mechanical design • Recycling methods • Mechanical Engineering	3 2 2 2 2 2
				Total	**24**
7	Mechactronics	Masters degree in Computer, Information Technology, Electronics, Electronics & Telecommunication Engineering, Electrical, Mechatronics, Mechanical	Mumbai	• Generative Design, Advanced CAD, Robotics and Automation in Manufacturing, AR and VR in Design • Microfabrication and Design, Fluid Shaping Techniques, Analysis of Microfabrication under Fluid Flow, Digital Twins for Fluid Systems, Compliant Mechanisms in Design	2 1
				Total	**3**
8	Data Science	Masters degree in Data Science and Analytics	Mumbai	• Machine Learning and Deep Learning	1

		Computer Science Engineering Electrical Engineering Information Technology Electronics and Telecommunications Engineering, Instrumentation Engineering, Artificial Intelligence		• Artificial Intelligence and Automation • Data Analytics	1 2
				Total	**4**
9	Applied Physics	M.Phil. or Masters degree in Physics	Mumbai	• Nanotechnology • Material Science and condensed matter Physics • Quantum Computation • Microwave and Plasma Physics • Dielectric Spectroscopy • Theoretical Condensed Matter Physics • Nonlinear Dynamics and Quantum Physics • High Energy Statistical Physics • Energy Science • Astronomy and Astrophysics	2 2 2 1 1 1 1 1 1 1
			Indore	• Quantum Computational Physics	2
			Chandigarh	• Electrical and Optical Properties of Nanoparticles	2
			Hyderabad	• Dynamical Systems • Nonlinear Electronic Circuits, • Complex Systems and Networks	4
				Total	**21**
10	Applied Mathematics	M.Phil. or Master's degree in Applied Mathematics	Mumbai	• Integral transforms and special functions • Computational fluid dynamics • Fractal Geometry, Discrete Mathematics • Mathematical Modelling • Operational Research	2 2 2 2 2
			Shirpur	• Partial Differential Equations • Computational Fluid dynamics	2 2

			Indore	• Statistical and Mathematical modelling	2
				• Computational mathematics and Dynamical system	2
			Chandigarh	• Numerical Methods to solve Partial Differential Equations	2
			Hyderabad	• Numerical Analysis	2
				• Differential Equations	1
				• Discrete Mathematics	1
				Total	**24**
11	Applied Chemistry	M.Phil. or Master's degree in Applied Chemistry	Mumbai	• Green Chemistry	2
				• Polymer Chemistry	2
				• Surfactant Science	2
				• Organic Synthesis	2
				• Material Science	2
				Total	**10**
12	Humanities and Social Sciences	M.Phil. or Master's degree in English Literature	Mumbai	• Literature	5
				• Fiction	
				• Cultural Studies	
				• Poetry	
				• Education	
				• Communication Skills	
				• Human Resource and Industrial relations	
				• Development Studies	
				Total	**5**
13	Technology Management	Master's degree in any of the following: • Business Management (provided Bachelor's degree in any branch of Engineering) • Computer Applications • Electronics and Telecommunication Engineering • Computer Engineering • Information Technology • Civil Engineering • Mechanical Engineering • Chemical • Or allied branches	Mumbai	• Finance	4
				• Operations & SCM	1
				• Business Intelligence and Analytics	1
				• Marketing	2
				• Economics	1
				• Human Resource Management	2
				• General Management	1

			Shirpur	• Corporate Finance	2
				• Financial Economics	2
				• Management & Entrepreneurship	2
				Total	**19**
				Grand Total	**259**

4. Eligibility:

The basic qualification criteria for the purpose of admission to Ph. D. Programme shall be as under:

a) **Ph.D. (Engineering):**

Candidates for admission to the Programme shall have a Master's degree (M.E. / M.Tech.) / (M.Phil / M.Sc. for Applied Physics, Applied Mathematics). Minimum 2 years Programme or a professional degree declared equivalent to the Master's degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7-point scale (or an equivalent grade in a point scale wherever grading system is followed) or an equivalent degree 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 for the purpose of assessing, accrediting or assuring quality and standards of educational institutions.

b) **Ph.D. (Technology Management):**

Candidates for admission to the Programme shall have a Master's degree M.E./ M.Tech. / (MBA with B.E. / B.Tech.) (Minimum 2 years Program) / M.C.A. or a professional degree declared equivalent to the Master's degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7-point scale (or an equivalent grade in a point scale wherever grading system is followed) or an equivalent degree 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 for the purpose of assessing, accrediting or assuring quality and standards of educational institutions.
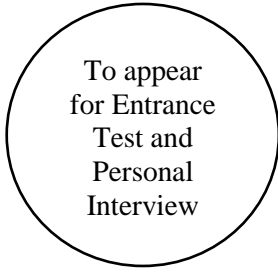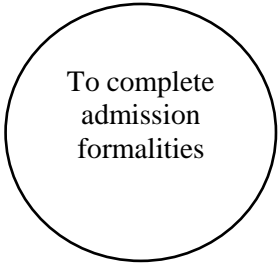
c) Candidates working in reputed Research Organizations or Academic Institutions, situated in the close vicinity of Mumbai, Shirpur or Hyderabad campuses are eligible for admission to the Ph.D. programme if they satisfy the conditions mentioned below-

- Candidates working in an organization, which encourages and facilitates research.
- The Academic Institution should have at least one running PG programme in any specialization.
- Candidates should have a minimum of two years of work experience (full time) in research organization, academic institutions or Industry.
- Candidates should furnish a 'Consent and No Objection Certificate' from his / her Academic Institution and 'MOU' in case of industry or research organization

Note:

- Candidates appearing or waiting for the final year result are eligible to apply.
  The candidate must have appeared for all his subject(s) / exams before the commencement of the program. However, their admission would be considered provisional, subject to their meeting the minimum eligibility criteria after their final examination results are announced.
- Candidates whose final mark sheet of the qualified examination is not available at the time of their provisional admission, is required to submit their final marksheet copy as soon as the result is declared. In such case, if the candidate fails to meet the required eligibility criteria, then his/her admission will be cancelled and the fees will be refunded as per NMIMS refund rules.
- Candidates are required to submit mark sheets of all degrees, degree certificates and AIU certificate (by the candidate who has completed their studies at foreign country) at the time of admission.
- Candidates who have obtained their degree by doing a part-time course or through distance learning, correspondence courses, externally, open school from recognized University are eligible to apply and register as per UGC guidelines.
- All admitted students will have to complete Ph. D. course work as prescribed by the SVKM's NMIMS (Deemed to be University). On successful completion of Ph.D. course work student will be eligible for registration for Ph.D. programme.

5. Admission process

Ph.D. in Engineering and Technology Management			
Step 1	**Step 2**	**Step 3**	**Step 4**
Initial Registration, Pay the application fees and complete the process	Download call letter & Upload required documents	To appear for Entrance Test and Personal Interview	To complete admission formalities
• Visit www.nmims.edu • For registration click on "**Apply Now**" and create an account. • Candidate will get the registration number on their registered email ID to fill and complete the application form. • Before filling the online form, please read all the instructions carefully mentioned in the instruction handout, important dates and Terms & Condition given in the online application form.	• Candidates, who register successfully, only will be confirmed for Entrance Test & Personal Interview. • Candidates are required to download the call letter from login dashboard. No separate call letter will be mailed or posted. • Upload mentioned documents for Entrance Test & Personal Interview.	• The Entrance Test and Personal Interview will be held at Mumbai Campus only.	• Selected Candidate has to confirm his / her provisional admission by filling up e-admission form, uploading required document and paying fees within given timeline. • Only those candidates who complete the process by paying fees will be provisionally admitted to the program.

6. Online registration & Payment of Registration Fees:

- Online registration available at www.nmims.edu
- Registration fees is non-refundable / non-transferable.
- Online Registration Fee of Rs. 2,500/- plus GST if applicable (Please refer online registration for payment details)
- Before filling the online registration form, please read all the instructions carefully mentioned in instruction sheet, important dates and Terms & Conditions given in online application form.

7. Selection Process: Entrance Test & personal interview

a) **Entrance Test:** (100 marks, 90 minutes), will be conducted at Mumbai campus only.

Section A: 50% Research methodology

Section B: 50% Area / Domain Specific

The candidate must have qualified written test with qualifying marks as 50% conducted by the SVKM's NMIMS Deemed to be University. Only entrance test qualified candidate will be called for Personal Interview.

Note: Candidates those who have qualified (with valid period & valid score) in NET / SET / GATE / GPAT / JRF examination of the apex bodies in higher / technical professional education such as UGC, CSIR, ICMR or other equivalent examinations mentioned on the score card, such candidates are exempted from NMIMS entrance test. However, they have to appear for Personal Interview.

b) **Personal Interview:**

- Presentation based on Statement of Purpose will be followed by Personal Interview.
- During interviews, candidates are expected to discuss their research interest/area.
- Final merit list will be based on entrance test & personal interview marks.

c) **Weightage**

- Entrance Test   :   100 marks (70%)
- Personal Interview :   50 marks (30%)

8. **Program Fees:**

    Effective fees for all Ph.D. students will be Rs. 50,000/- p.a.

    Annual fees: Rs. 2,50,000/-

    Annual Scholarship: Rs. 2,00,000/-

    Scholarship form is available on website-

    https://engineering.nmims.edu/academics/programmes/phd/

    The duly filled scholarship form (hardcopy) should be submitted at following address along with the copy of registration form, copy of SOP, complete resume, admission form and the admission offer letter copy (which is available on student's dashboard)**:**

    > Mukesh Patel School of Technology Management & Engineering
    > SVKM's Narsee Monjee Institute of Management Studies, V. L. Mehta Road,
    > Vile Parle (W), Mumbai – 400 056, India.

    Note:

    - Scholarship will be provided for up to 05 years or completion of PhD program, whichever is earlier.

    - If student is found indulging in any unlawful activity, the scholarship will stand cancelled with immediate effect.

    - PhD student will not be entitled to avail the scholarship if he/she re-registers for PhD or take re-admission for the PhD program.

9. **Fellowship: Fellowship will be provided to full time PhD students in line with UGC.**

10. **Refund rules:** As per the notification of UGC. Details will be shared at the time of admission

11. **Important Instructions:**

    - Candidate has to check website for all details. Please check the important dates. All announcements from the SVKM's NMIMS (Deemed to be University) will be through its website www.nmims.edu

    - For cancellation/ withdrawal of admission: Withdrawal / cancellation means voluntary withdrawal / cancellation by candidate for any reason. Candidate has to upload cancellation form duly filled and signed, fees paid receipt copy & cancelled cheque (personal account) to mentioned link : https://upload.nmims.edu/admission/cancellation/

    - The candidate who is pursuing PhD at SVKM's NMIMS (Deemed to be University), should not take PG / PhD admission in any other University.

- If at any stage, it is found that a candidate does not satisfy the eligibility criteria or the information furnished by him/ her in the application form is incorrect, his/her application for the admission to the program, even if selected, will stand cancelled and fees will be refunded as per SVKM's NMIMS (Deemed to be University) refund rules.

- Candidate's document/s will be verified at the time of admission (if selected) and if found not eligible, admission will be cancelled and fees will be refunded as per SVKM's NMIMS (Deemed to be University) refund policy.

- It is the sole responsibility of the candidate to ascertain whether they possess the necessary and requisite qualification for the admission at SVKM's NMIMS (Deemed to be University), as verification of the documents is done at the time of final admission.

- SVKM's NMIMS (Deemed to be University) has full right to disqualify a candidate at any stage of admission process if found ineligible.

- Candidates whose final mark sheet of the qualified examination is not available at the time of their provisional admission, is required to submit their final marksheet copy as soon as the result declared. In such case, if the candidate fail to meet the required eligibility criteria then his/her admission will be cancelled and the fees will be refunded as per SVKM's NMIMS (Deemed to be University) refund rules.

- Admission to program is considered as **"Provisional Admission"** till all required and mandatory documents are submitted by the candidate and the same are verified and approved. If it is found that the candidate is not eligible at any stage (even after the course commencement), admission will be cancelled and fees will be refunded as per refund rule clauses even if selected/ admitted to the program.

- Canvassing in any form will disqualify the candidate.

- All matters of dispute will be subject to the legal jurisdiction of Mumbai only.

12. Contact Information:

NMIMS Admission / Application / Technical related queries:

(a) Toll Free No: 18001025138 – Monday to Saturday (Except public holidays)

(b) For any support and assistance kindly login to dashboard & raise query in my query section