

**SVKM's NMIMS (Deemed to be University)**  
**Mukesh Patel School of Technology Management & Engineering, Mumbai Campus**  
**Ph.D. Engineering and Technology Management - (Batch-2026)**

**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 a high impact factor.

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

The 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 the latest cutting technology.

The emphases have been given to the latest developments 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 coursework.

**2. Duration of the Programme:** Minimum 03 years, including coursework & maximum 06 years

**3. Intake:**

Sr No	Specialization	Eligibility	Campus	Domain	Seats
1	Electronics & Telecommunication Engineering	Masters degree in Computer, Information Technology, Electronics, Electronics & Telecommunication Engineering, Electrical, Mechatronics	Mumbai	• Renewable Energy materials	1
				• Signal, Speech and Image processing	1
				• Embedded Systems and WSN	1
				• Wireless Communication	1
				• Satellite Communication	1

				<ul style="list-style-type: none"><li>Internet of Things</li></ul>	1	
				<ul style="list-style-type: none"><li>Power Electronics</li></ul>	1	
			Indore	<ul style="list-style-type: none"><li>Renewable Energy materials</li></ul>	1	
				<ul style="list-style-type: none"><li>Signal, Speech and Image processing</li></ul>	1	
				<ul style="list-style-type: none"><li>Internet of Things</li></ul>	1	
			Hyderabad	<ul style="list-style-type: none"><li>Embedded systems &amp; Wireless Communication</li></ul>	1	
	Total					11
2	Computer Engineering	Masters degree in Computer, Information Technology, Electronics, Electronics & Telecommunication Engineering, Electrical, Mechatronics	Mumbai	<ul style="list-style-type: none"><li>Computer Vision/ Image Processing with AIML</li></ul>	6	
				<ul style="list-style-type: none"><li>Data Science, Machine Learning &amp; AI</li></ul>	5	
				<ul style="list-style-type: none"><li>Cyber Security &amp; AI</li></ul>	1	
				<ul style="list-style-type: none"><li>Software Engineering / AIML</li></ul>	1	
				<ul style="list-style-type: none"><li>Quantum/ Cloud Computing</li></ul>	4	
			Shirpur	<ul style="list-style-type: none"><li>Cloud Computing</li></ul>	6	
				<ul style="list-style-type: none"><li>High performance computing</li></ul>	3	
				<ul style="list-style-type: none"><li>Cyber Security</li></ul>	4	
				<ul style="list-style-type: none"><li>Machine Learning/Deep learning</li></ul>	9	
				<ul style="list-style-type: none"><li>Big Data Analytics</li></ul>	1	
				<ul style="list-style-type: none"><li>Data Science</li></ul>	2	
			Indore	<ul style="list-style-type: none"><li>Data Analytics</li></ul>	2	
				<ul style="list-style-type: none"><li>Image Processing and Computer Vision,</li></ul>	1	
				<ul style="list-style-type: none"><li>Artificial Intelligence and Machine Learning</li></ul>	2	
<ul style="list-style-type: none"><li>Data Mining</li></ul>	1					
<ul style="list-style-type: none"><li>Cyber Security</li></ul>	1					

				<ul style="list-style-type: none"><li>Natural Language Processing IOT with Cross Domain Applications</li></ul>	1
				<ul style="list-style-type: none"><li>Big Data Analytic</li></ul>	1
				<ul style="list-style-type: none"><li>Cloud Computing</li></ul>	1
				<ul style="list-style-type: none"><li>Software Engineering</li></ul>	1
				<ul style="list-style-type: none"><li>Web Programming</li></ul>	1
				<ul style="list-style-type: none"><li>Distributed Computing</li></ul>	1
			Chandigarh	<ul style="list-style-type: none"><li>Computer Networking</li></ul>	2
				<ul style="list-style-type: none"><li>Computer Vision</li></ul>	2
				<ul style="list-style-type: none"><li>Blockchain</li></ul>	2
				<ul style="list-style-type: none"><li>Computational and Cognitive Neuroscience</li></ul>	2
				<ul style="list-style-type: none"><li>Artificial Intelligence</li></ul>	2
				<ul style="list-style-type: none"><li>Cloud Computing</li></ul>	2
				<ul style="list-style-type: none"><li>Meta-heuristics algorithm</li></ul>	2
				<ul style="list-style-type: none"><li>5G/6G Wireless cellular networks</li></ul>	1
				<ul style="list-style-type: none"><li>Energy Efficiency Optimization</li></ul>	1
			Hyderabad	<ul style="list-style-type: none"><li>Cloud Computing</li></ul>	2
				<ul style="list-style-type: none"><li>Artificial Intelligence &amp; Deep Neural Network</li></ul>	1
	Total				74
3	Information Technology	Masters degree in Computer, Information Technology, Electronics, Electronics & Telecommunication Engineering, Electrical, Mechatronics	Mumbai	<ul style="list-style-type: none"><li>Generative &amp; Explainable AI</li></ul>	1
				<ul style="list-style-type: none"><li>Natural Language Processing</li></ul>	2
				<ul style="list-style-type: none"><li>Social Media Analytics</li></ul>	1
				<ul style="list-style-type: none"><li>Cybersecurity, Digital Forensics, Governance, Risk and Compliance, Data Privacy</li></ul>	2

				<ul style="list-style-type: none"><li>Smart Grid Cybersecurity and Anomaly Detection, Energy Forecasting and Optimization in Smart Grids</li></ul>	2
				<ul style="list-style-type: none"><li>Internet of Things, Protocol Stack</li></ul>	2
				<ul style="list-style-type: none"><li>Machine Learning</li></ul>	3
				<ul style="list-style-type: none"><li>Quantum Computing</li></ul>	1
				<ul style="list-style-type: none"><li>Data Security in IoT</li></ul>	1
				<ul style="list-style-type: none"><li>DevSecOps and DevOps</li></ul>	1
			Shirpur	<ul style="list-style-type: none"><li>Data Mining and warehouse</li></ul>	7
				<ul style="list-style-type: none"><li>Ad-Hoc Networks, Network Security &amp; Cryptography</li></ul>	1
				<ul style="list-style-type: none"><li>Blockchain Technology &amp; information Security</li></ul>	2
				<ul style="list-style-type: none"><li>Image Forensic</li></ul>	4
				<ul style="list-style-type: none"><li>Internet of Vehicles</li></ul>	1
Total					31
4	Artificial Intelligence	Masters degree in Artificial Intelligence, Computer, Information Technology, Electronics, Electronics & Telecommunication Engineering, Electrical, Mechatronics, Data Science	Mumbai	<ul style="list-style-type: none"><li>AI in Finance</li></ul>	1
				<ul style="list-style-type: none"><li>Graph Neural Network applications</li></ul>	1
				<ul style="list-style-type: none"><li>AI in cybersecurity</li></ul>	1
				<ul style="list-style-type: none"><li>AI in geospatial applications</li></ul>	1
				<ul style="list-style-type: none"><li>Agentic AI applications</li></ul>	1
				<ul style="list-style-type: none"><li>AI in Healthcare</li></ul>	2
				<ul style="list-style-type: none"><li>Large and small Language models</li></ul>	1
			Navi Mumbai	<ul style="list-style-type: none"><li>Artificial Intelligence, Machine Learning &amp; Deep Learning</li></ul>	9
				<ul style="list-style-type: none"><li>Image Processing &amp; Computer Vision</li></ul>	3

				• Meta-heuristics algorithms, Evolutionary Computation	6
				• Edge Computing, Edge Artificial Intelligence	2
				• Generative and Agentic Artificial Intelligence	1
			Hyderabad	• Artificial Intelligence & Deep Neural Network	1
	<b>Total</b>				<b>30</b>
5	Civil Engineering	Masters degree in Civil Engineering, Construction	Mumbai	• Geotechnical Engineering	4
				• Water Resource Engineering	3
				• Structural Engineering	2
				• Geology	2
				• Construction Management	1
	<b>Total</b>				<b>12</b>
6	Mechanical Engineering	Masters degree in Mechanical, Production, Mechatronics, Automobile, Automation, Robotics Engineering	Mumbai	• Solar Thermal Systems	2
				• Alternative Fuel in IC Engine	2
				• Heat Transfer	1
				• Remanufacturing	1
				• Additive Manufacturing and Composite Materials	2
				• Operations	1
				• Computational Fluid Dynamics	2
			Chandigarh	• Heat transfer	1
				• Nanoparticles	1
				• Surface coating	2
				• Mechanical design	4
				• Mechatronics Systems,	2

				<ul style="list-style-type: none"><li>Recycling methods</li></ul>	3	
				<ul style="list-style-type: none"><li>Mechanical Engineering</li></ul>	1	
			Indore	<ul style="list-style-type: none"><li>Mechanical Engineering</li></ul>	1	
	Total					26
7	Mechatronics	Masters degree in Computer, Information Technology, Electronics, Electronics & Telecommunication Engineering, Electrical, Mechatronics, Mechanical	Mumbai	<ul style="list-style-type: none"><li>Smart Robotics and Autonomous Systems</li><li>AI-Driven Mechatronics &amp; Digital Engineering</li><li>Cyber-Physical Systems &amp; Digital Twins</li><li>Immersive XR for Engineering Systems</li></ul>	2	
				<ul style="list-style-type: none"><li>Microfabrication and Design, Fluid Shaping Techniques, Analysis of Microfabrication Under Fluid Flow, Digital Twins for Fluid Systems, Compliant Mechanisms in Design</li></ul>	2	
	Total					4
8	Data Science	Masters degree in Data Science and Analytics Computer Science Engineering Electrical Engineering Information Technology Electronics and Telecommunications Engineering, Instrumentation Engineering, Artificial Intelligence	Mumbai	<ul style="list-style-type: none"><li>Machine Learning and Deep learning</li></ul>	1	
				<ul style="list-style-type: none"><li>Data Analytics</li></ul>	1	
		Total				

9	Technology Management	Masters degree in any of the following: ● Business Management (provided Bachelor’s degree in any branch of Engineering) ● Computer Applications ● Electronics and Telecommunicati on Engineering ● Computer Engineering ● Information Technology ● Civil Engineering ● Mechanical Engineering ● Chemical ● Or allied branches	Mumbai	● Finance	3
				● Operations & SCM	2
				● Business Intelligence and Analytics	2
				● Marketing	2
				● Economics	1
				● Human Resource Management	2
			Shirpur	● Corporate Finance	2
				● Financial Economics	2
				● Management & Entrepreneurship	2
			Indore	● Financial Economics	1
● General Management	1				
● Marketing	1				
Total					21
10	Applied Physics	Masters degree in Physics	Mumbai	● Energy Storage Materials	2
				● Material Science and Condensed Matter Physics	3
				● Dielectric Spectroscopy	1
				● High Energy Statistical Physics	1
			Indore	● Quantum Computational Physics	1
			Chandigarh	● Electrical and Optical Properties of Nanoparticles ● Green Synthesis of Nanoparticles for Sustainable Solutions	2
				Hyderabad	● Dynamical Systems / Nonlinear Electronic Circuits / Quantum dynamics
			Total		

11	Applied Mathematics	Masters degree in Applied Mathematics	Mumbai	• Integral transforms and special functions	6
				• Computational fluid dynamics	2
				• Fractal Geometry, Discrete Mathematics	2
				• Mathematical Modelling	1
				• Fuzzy Graph Theory	2
			Shirpur	• Computational Fluid Dynamics	3
			Indore	• Statistical and Mathematical modelling	2
				• Computational mathematics	1
			Chandigarh	• Dynamical system	1
				• Numerical Methods	1
				• Computational Mathematics	1
				• Numerical solutions to Partial Differential Equations(Singularly Perturbed/Fractional)	1
				• Mathematical Physics/General Relativity and Cosmology	2
			Hyderabad	• Numerical Analysis	2
			Navi Mumbai	• Integral Transform, Numerical Methods and Mathematical Modelling	2
				• Fractional Order Thermoelasticity in solids (Application of Fractional Calculus)	3
				• Boundary Value Problems, Heat Conduction equation (Application of Partial DE)	3



	Total				35
12	Humanities and Social Sciences	Masters degree in English literature,	Mumbai	● Literature	6
	Total				6
13	Biology	M Sc Bio Tech., MSc Micro Biology / M Tech Bio Tech	Mumbai	Green Technology	2
	Total				2
Grand Total					266

#### 4. Eligibility:



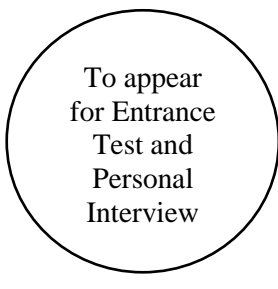
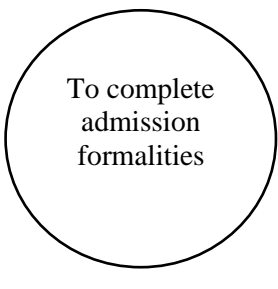
- Candidates who have successfully completed: A 1-year/2-semester master's degree programme after 4 year/8 semester undergraduate degree or a 2-year/4-semester master's degree programme, after 3 year bachelor's degree programme or qualifications declared equivalent to the master's degree by corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade in point scale wherever grading system is followed. OR an 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 institution. Further relaxation will be provided as per UGC norms.

#### 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.
- The admission information handout's eligibility requirements will serve as the only document for program eligibility. The school's brochure or prospectus will only be used as a guide and not be used to refer to eligibility.

#### Admission process:

Ph.D. in Engineering and Technology Management			
<u>Step 1</u>	<u>Step 2</u>	<u>Step 3</u>	<u>Step 4</u>
 <p>Initial Registration, Pay the application fees and complete the process</p>	 <p>Download call letter &amp; Upload required documents</p>	 <p>To appear for Entrance Test and Personal Interview</p>	 <p>To complete admission formalities</p>
<ul style="list-style-type: none"> <li>• Visit <a href="http://www.nmims.edu">www.nmims.edu</a></li> <li>• For registration click on “<b>Apply Now</b>” and create an account.</li> <li>• Candidate will get the registration number on their registered email ID to fill and complete the application form.</li> <li>• Before filling the online form, please read all the instructions carefully mentioned in the instruction handout, important dates and Terms &amp; Condition given in the online application form.</li> </ul>	<ul style="list-style-type: none"> <li>• Candidates, who register successfully, only will be confirmed for Entrance Test &amp; Personal Interview.</li> <li>• Candidates are required to download the call letter from login dashboard. No separate call letter will be mailed or posted.</li> <li>• Upload mentioned documents for Entrance Test &amp; Personal Interview.</li> </ul>	<ul style="list-style-type: none"> <li>• The Entrance Test and Personal Interview will be held at Mumbai Campus only.</li> </ul>	<ul style="list-style-type: none"> <li>• Selected Candidate has to confirm his / her provisional admission by filling up e-admission form, uploading required document and paying fees within given timeline.</li> <li>• Only those candidates who complete the process by paying fees will be provisionally admitted to the program.</li> </ul>

## 5. Online registration & Payment of Registration Fees:

- Online registration available at [www.nmims.edu](http://www.nmims.edu)
- Registration fees is non-refundable / non-transferable.
- Online Registration Fee of Rs. 2,500/- plus GST if applicable (Please refer to online registration for payment details)
- Before filling the online registration form, please read all the instructions carefully mentioned in the instruction sheet, important dates, and Terms & Conditions given in the online application form.
- Kindly keep ABC ID (Academic Bank of Credits) details ready before filling the registration form (Please visit the website for creating ID\_ <https://abcidcard.co.in/>)

## 6. 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%)

## 7. 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 the 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 the 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.

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

**Fellowship duration and amount:** The fellowship is for a fixed period/ tenure of 2-3 years for Junior Research Fellow (JRF) and a maximum of 3 years for Senior Research Fellow (SRF). Maximum total duration of fellowship is 5 years. The JRF amount will be INR 37,000 + HRA per month and SRF amount will be INR 42,000 + HRA per month. The fellow will not be entitled to HRA if he/she utilizes the hostel facility provided by SVKM's NMIMS. Additionally, contingency grant of INR 30,000/ year will be provided to the JRF and INR 60,000/ year will be provided to the SRF on the reimbursement basis.

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

- Please note the closure of admission / last date of admission as mentioned in the important dates of the respective program.
- The Candidate is requested to check the commencement date. The cancellation policy/date is applicable, as mentioned in the admission offer letter.

**10. Important Instructions:**

- Candidate has to check the 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](http://www.nmims.edu)
- For cancellation/ withdrawal of admission: Withdrawal/cancellation means voluntary withdrawal/cancellation by the candidate for any reason. Candidate has to upload cancellation form duly filled and signed, fees paid receipt copy & cancelled cheque (personal account) to the 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 admission to the program, even if selected, will stand cancelled, and fees will be refunded as per the refund rule clause. Candidates' admission will be canceled by the university if he/She does not voluntarily withdraw.
- 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 qualifications for 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 the full right to disqualify a candidate at any stage of the 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 is declared. In such a 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 the program is considered "Provisional Admission" until all required and mandatory documents are submitted by the candidate on or before September 30, 2026, and these are verified and approved. If it is found that the candidate is not eligible at any stage of the program, even after the course has commenced, the candidate will be discontinued from the program, the admission will be canceled, and fees will be refunded in accordance with the UGC refund policy.
- The admission information handout's eligibility requirements will serve as the only document for program eligibility. The school's brochure or prospectus will only be used as a guide and not be used to refer to eligibility.
- Canvassing in any form will disqualify the candidate.
- All matters of dispute will be subject to the legal jurisdiction of Mumbai only.

## **11. Contact Information:**

### **In case of any NMIMS Admission-related queries, contact:**

- a) Toll-Free No.: 18001025138 – Monday to Friday (except public holidays), Saturday (only 2nd and 4th Saturday) Time: 09:00 - 18:00 hrs
- b) For any support and assistance, kindly log in to the dashboard <https://apply.nmims.edu> & raise a query in my query section.

**Format for preparing SOP**

**Title:** The Title of the project should be concise (with sub-title, if any), reflecting the scope of the investigation.

**Aim of the Project:** The broad aim of the project, emphasizing the overall thrust of the proposed investigation, should be clearly mentioned.

**Statement of the Problem:** The problem to be investigated should be clearly contextualized in the theoretical framework of the discipline.

**Overview of Literature:** The problem identified should be logically linked to other studies on the theme in the literature, delineating the need for the present investigation.

**Conceptual Framework:** The concepts to be used, their relevance and applicability to the study and their operationalization should be indicated.

**Research Questions or Hypotheses:** The research questions to be answered/ addressed need to be unequivocally stated.

**Research Methodology:**

- (a) **Coverage:** The proposal should clearly indicate the rationale/scope of the study, sampling frame, sampling methods, sampling size, units of observation, etc.
- (b) **Data Collection:** The proposal should indicate sources of data, types of data, tools, and techniques for the collection of various categories of proposed data.
- (c) **Data Analysis:** It should indicate the statistical techniques, if any, proposed to be used in data processing, specific packages for data analysis, content analysis, indices/scaling techniques proposed to be used, etc.

**Implications:** The proposal should state whether this research would bring forth any implications for policy making, either for the region concerned or the country, any methodological innovations, or contribute to theory building.

**References:** The proposal should include a 'List of References' mentioned in the text, along with other important recent additions to the literature on the theme. The references should indicate the author, title, publisher, and year of publication.