SVKM's NMIMS Deemed-to-be University
Mukesh Patel School of Technology Management & Engineering

Ph.D. in Engineering & Technology Management (2022 Batch)

<mark>Instruction Sheet</mark>

1. **Introduction**:

   This course have been tailored by leading academicians and experts from the industries. 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. This Handout gives information about the admission procedure and admission entrance test / PI for PhD in Engineering & Technology Management program for 2022 Batch. **Duration of the Programme:** Minimum 3 including course work & Maximum 6 Years (full time)

2. **Program & Intake:**

   - **Ph.D. Engineering:** Electronics & Telecommunication, Computer, Information Technology, Civil Engineering, Mechanical Engineering, Chemical, Applied Physics, Applied Chemistry, and Applied Mathematics.

   - **Ph.D. Technology Management**

   Intake for Academic Year 2022-23

Sr No	Department	Eligibility	Campus	Domain	Seats
1	Electronics & Telecommunication Engineering	Masters degree in Computer, Information Technology, Electronics, Electronics & Telecommunication Engineering, Electrical, Mechatronics.	Mumbai	• Artificial Intelligence for Image processing and Analysis	1
				• Computational Neuroscience	2
				• Indian Regional Navigation Satellite System	1
				• IoT and Bio-Medical Engineering	1
			Shirpur	• Wireless networks	1
				• Internet of things	1
				• Industrial automation	1
			Indore	• VLSI Design Optimization, Place and Route Algorithms, Advanced Logic Design, WSN, Wearable Electronics and Remote Health Monitoring	2
				Total	**10**
2	Computer Engineering	Masters degree in Computer, Information Technology, Electronics, Electronics & Telecommunication Engineering, Electrical, Mechatronics.	Mumbai	• Machine Learning /Artificial Intelligence	1
				• Data Mining/ Machine Learning/ Natural Language Processing	1
				• Block chain and cloud computing	1
			Shirpur	• Data mining	1
				• Software engineering and testing	1
				• Data Science	1
				• Privacy preservation	1

			• Healthcare Informatics	1
			• Intelligent computing	1
		Navi Mumbai	• Dependable computing	2
			• Hardware Security	
		Indore	• Machine Learning, Information Retrieval	2
			• Renewable Energy, Solar energy, wind energy, biomass energy, tidal energy	2
			Total	**15**
3	Information Technology	Masters degree in Computer, Information Technology, Electronics, Electronics & Telecommunication Engineering, Electrical, Mechatronics	Mumbai	• Data Mining Wireless sensor networks and Internet of Things	1 3
				• Data Mining/Social Media Analytics	1
			Shirpur	• Soft computing/Swarm optimization algorithms	2
				• Deep learning, AI/ML	2
				• Bio-informatics	1
				• Medical imaging	1
				• Computational science	1
				Total	**12**
4	Civil Engineering	Masters degree in Civil Engineering, Construction	Mumbai	• Geotechnical Engineering / Transportation Geotechnics	4
				• Water Resource Engineering	2
				• Construction Management/Water resource Engineering.	2
				Total	**8**
5	Mechanical Engineering	Masters degree in Mechanical, Production, Mechatronics, Automobile, Automation, Robotics Engineering, Textile Machinery.	Mumbai	• Manufacturing, Remanufacturing Product Sustainable Development, Friction Stir Welding, Renewable Energy sources	1
				• Manufacturing and Operations(IOT)	2
				• Thermal Engineering and Heat Transfer	2
				• Design of Wind turbines, Design of Offshore Structures and composite Materials	2
				• Renewable Energy and Heat Transfer	2
			Shirpur	• Fracture Mechanics	1
				• Welding metallurgy	2
				• Additive manufacturing	1
				Total	**13**
6	Chemical Engineering		Mumbai	• Reaction kinetics	2
				• Green Synthesis and Engineering	
				• Nanotechnology	
				• Process Intensification	
				• Biomass utilization	
				Total	**2**
7	Applied Physics	M.Phil. or Masters degree in Applied Physics	Mumbai	• Graphene nanostructure	7
				• Material Science and condensed matter Physics	
				• Applied Physics	
				• Microwave and Plasma Physics	
			Shirpur	• Nanostructure synthesis and field emission	1
			Indore	• Atomic Physics	2
				Total	**10**
8	Applied Chemistry		Mumbai	• Surfactant development	2

		M.Phil. or Masters degree in Applied Chemistry		• Catalysis and Nano Material research • Sustainable Engineering Systems, Organic Synthesis and Green Chemistry • Organic process development	
			Shirpur	• Electrochemistry/Energy materials	1
			Indore	• Organic Chemistry	2
				Total	**5**
9	Applied Mathematics	M.Phil. or Masters degree in Applied Mathematics	Mumbai	• Integral transforms and special functions • Computational fluid dynamics • Fractal Geometry, Discrete Mathematics • Operational Research	5
			Shirpur	• Similarity solutions of partial differential equations	1
			Indore	• Applied Statistics and Data Analytics • Fixed point theory and it's applications	2
				Total	**8**
10	Technology Management	*Masters 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 • Operations & SCM • Business Intelligence and Analytics • General Management	2 2 1 5
			Shirpur	• Finance • Marketing • Cost management • Entrepreneurship • Business communication • Marketing	2 1 1 1 2 2
				Total	**19**
				Grand Total	**102**

Admission for PhD program through **Entrance Test and Personal Interview** conducted by NMIMS

3. Eligibility and Admission Criteria:

• **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 Chemistry &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.

- **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.

  Note:
  - Candidates appearing or awaiting for final year result are **NOT ELIGIBLE** to apply. Candidates are required to submit marksheet at the time of admission.
  - Candidates who have cleared their graduation by doing a part-time course or through distance learning, correspondence courses, externally, open school from recognized University are eligible to apply & register as per UGC guidelines.
  - Candidates has to choose specialization based on specialization at Master program
  - Ph.D. is a full time program. During first year of the program, all students will have to complete Pre-Ph. D. course work. On successful completion of Pre-Ph.D. course work student will be registered for Ph. D.

4. **Admission process :**

Ph.D. in Engineering & 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 for test & PI	To appear for Entrance Test 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 on Virtual Platform.	• 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.

4.1 Payment of registration fee (Step-1) :

- The online registration fee of Rs 2,500/-
- Registration Fee is non-refundable / Non-transferable.

4.2 Call letter (Step 2) :

- List of Documents to be uploaded for to appear Entrance Test & Personal Interview :
  - Copy of duly filled online application form
  - 10th mark sheet & passing certificate
  - 10+2 or equivalent mark sheet and passing certificate
  - Degree mark sheet (all semesters) & Degree certificate
  - Post-Graduation marksheet (all semesters) & certificate
- Candidate's application form will not be considered, if they fail to upload the above-mentioned documents till Thursday, 21st April 2022.
- The link for the Entrance Test and Personal Interview will be mailed to your registered email ID. The Interviews will be scheduled as per the important dates mentioned on the website.
- The candidate must be available as per the mentioned time given in the call letter. Candidate should have desktop / laptop for taking the Personal Interview with proper internet connection.

5. **Selection Process:** Entrance Test & Personal Interview

   A) **Entrance Test (Time: 90 minutes / Total: 50 Marks), will be conducted through online platform.**

   Section A: 50% of Research Methodology

   Section B: 50% Area / Domain Specific

   The candidate must have qualified entrance test with qualifying marks as 50% conducted by the NMIMS University. Only entrance test qualified candidate would be call for Personal Interview process.

NOTE: The candidate qualified in UGC-NET (including JRF) / UGC-CSIR NET (including JRF) / SLET / GATE / Teacher Fellowship holder or have passed M.Phil. Programs are exempted from NMIMS entrance test. However, they have to appear for Personal Interview.

B) **Personal Interview (Total 50 Marks), will be conducted through online platform.**

- Presentation based on SOP will be followed by Personal Interview
- During interview candidates are expected to discuss their research Interest / area
- Final merit list will be based on entrance Test & Personal Interview marks.
- Admission offer is given as per the merit and vacancy available. WAITLISTED candidates have to check their merit list status as per the date given on the website. SELECTED candidate should upload necessary required documents and pay the full course fees at the link given in respective candidate's log-in within the stipulated given time frame. Kindly note that only those candidates who complete the process by paying fees will admitted to the program.

6. **Program Fee:**

Fees for 2022-2023 for first year (for information only): Rs. 2,50,000/- p.a.

Scholarship Rs. 1,00,000/- will be awarded to the genuine candidate at the time of admission. Scholarship form is available on website https://engineering.nmims.edu/academics/programmes/phd/. The form should be submitted at following address along with the Registration Form, SOP copy, Complete RESUME, Admission Form and the Admission offer letter copy (which is available on student's dashboard)**:**

Mukesh Patel School of Technology Management & Engineering
Bhakti Vedant Swami Marg,
Near Cooper Hospital, JVPD Scheme,
Vile Parle (West), Mumbai.
Maharashtra- 400 056, India

- Scholarships are awarded on a yearly basis, once you are awarded with the scholarship it will continue throughout the program.
- Application must be received along with the Registration Form / Admission form, and admission offer letter. Scholarship recipients will be notified by email of the scholarship committee's decision.
- Scholarship scheme is open only for the sincere aspirants. The scholarship will stand cancelled immediately on following reason:
  - If a student does not obtain a minimum of B+ Grade i.e. 73% in Term End Examinations throughout the program.
  - If a student is found indulging in any wrong activity.
- A student will not be entitled to avail the scholarship in case of re-admission.

7. **Refund Rules:** The Schedule of refund of fees will be as follows. If a student chooses to withdraw from the program of study in which he / she is enrolled, the institution concerned shall follow the following five-tier system for the refund of fees remitted by the student.

Sr. No.	Percentage of Refund of Aggregate fees	Point of time when notice of withdrawal of admission is served to HEI
(1)	100%	15 days or more before the formally-notified last date of admission
(2)	90%	Less than 15 days before the formally-notified last date of admission
(3)	80%	15 days or less after the formally-notified last date of admission
(4)	50%	30 days or less, but more than 15 days, after formally-notified last date of admission
(5)	00%	More than 30 days after formally-notified last date of admission

In case of (1) in the table above, the deduction will be 5% of the fees paid as processing charges from the refundable amount, subjectto a maximum of Rs 5,000/-.

Note: The above refund rules are subject to revision (as applicable). Candidates to refer Important Dates of the respective programme.

8. **Important Instructions:**

- The candidate who is pursuing PhD at NMIMS University, should not take PG / PhD admission in any other University.

- Campus allotment in Second year will be effected as per the merit scores in first year admission process. NMIMS has discretion right in this regard.

- **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/

- Please see the important dates and preserve it as a guide. All announcements from the institute will be through its website www.nmims.edu / on the candidate's dashboard and no individual communication will be sent to the candidates. Kindly check the website regularly for any updates.

- 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 forfeited.

- Candidate's documents will be verified online (if selected) & if found not eligible, admission will be cancelled and fees will be forfeited.

- Canvassing in any form will disqualify the candidate.

- NMIMS has full right to disqualify a candidate at any stage of admission process if found ineligible. No separate intimation will be given.

- It is the sole responsibility of the candidate to ascertain whether they possess the necessary and requisite qualification for the admission at NMIMS, as verification of the documents is done at the time of final admission.

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

9. **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