Information Brochure

Executive E-Master's Programs

(Admissions 2025–26)

National Institute of Technology Warangal

https://www.nitw.ac.in

About the Program

The e-Master's Degree programs at the National Institute of Technology (NIT) Warangal are a bold and visionary step in postgraduate education, crafted with precision to meet the evolving needs of today's working professionals. These programs blend academic excellence, cutting-edge curriculum, and industry relevance into a flexible, future-ready format that allows professionals to learn without career interruption.

Offered through a flexible and immersive online learning model, these programs combine live, interactive weekend sessions with self-paced digital content, providing a perfect balance between structured learning and personal convenience. Optional on-campus immersion opportunities further enhance the learning experience, giving participants the chance to engage with faculty, peers, and research labs in a real-time academic environment.

Designed by leading academic departments in collaboration with industry experts, each program reflects the latest trends, tools, and practices in its field. With a strong emphasis on application-oriented learning, participants engage with practical projects, real-world case studies, and – where applicable – industry-linked dissertations, enabling immediate impact and value addition at their workplaces.

These programs stand out not only because of their rigorous academic standards but also because of their alignment with the demands of the modern, technology-driven workplace. Graduates of the program earn a prestigious master's degree from NIT Warangal, one of India's top-ranked technical institutions, recognized globally for its academic excellence and innovation.

Key Highlights of the Program

- Flexible Learning Structure: Choose from multiple domain-specific tracks and learn at your own pace with modular options.

- Hybrid Learning Model: Participate in live weekend and evening sessions led by expert faculty, supported by high-quality self-paced content.

- Expert-Curated Curriculum: Each course is carefully crafted by renowned faculty and researchers from NIT Warangal's top departments, incorporating both foundational theory and emerging industry needs.

- Real-World Relevance: Apply your learning through hands-on projects, case-based teaching, and the option to undertake a project-based dissertation closely aligned with your industry or organization.

- Academic Excellence with Flexibility: Earn a formal master's degree with the credibility of NIT Warangal, while maintaining your professional responsibilities. Study from anywhere in India or abroad, with no mandatory campus residency.

- Reputation and Recognition: Be part of a national institute of repute and join a vibrant community of alumni, scholars, and leaders shaping the future of technology, policy, and innovation.

Equivalent: **we have to choose one of the following**

- **All E-Master's programmes are equivalent to regular M.Tech. Programmes.**

Why Choose e-Master's from NIT Warangal?

The e-Master's programs at NIT Warangal are purposefully designed to empower working professionals with the **knowledge, skills, and credentials** needed to thrive in a competitive and technology-driven world. Here's how this program transforms your career journey:

- **Accelerate Your Career with Specialization in Emerging Technologies**

  In today's dynamic professional landscape, generic qualifications no longer suffice. The e-Master's programs offer **targeted, high-impact specializations** in cutting-

edge domains such as **Artificial Intelligence, Additive Manufacturing, e-Mobility, 5G & Semiconductors, Road Safety, Biomanufacturing**, and more. These areas are projected to drive innovation and growth across industries in the coming decades. By upskilling in these niche fields, you position yourself for **vertical career growth, leadership roles**, and **increased employability** in both domestic and global markets.

- **Leverage the Prestige of NIT Warangal**

  As one of India's premier technical institutions, **NIT Warangal** is synonymous with **academic rigor, research excellence, and national recognition**. Being awarded a degree from this institute not only adds credibility to your professional profile but also opens doors to a vast network of **alumni, industry collaborators, and academic experts**. The prestige associated with NIT Warangal can significantly enhance your **career mobility and professional stature**.

- **Stay Ahead in the Rapidly Evolving Tech Ecosystem**

  The pace of technological change demands continuous learning. Whether it's AI transforming manufacturing, or smart mobility redefining transportation, this program ensures that you stay updated with the **latest trends, tools, and strategies**. Each course is developed with a forward-looking vision, ensuring you acquire **future-ready skills** that are aligned with current and anticipated industry demands.

- **Learn from the Best: Faculty with Industry and Research Expertise**

  The program is taught by a team of **highly experienced professors, researchers, and industry practitioners** who bring both theoretical insights and practical knowledge to the classroom. This blend ensures that you gain a comprehensive understanding of core concepts, while also learning how to **apply them to solve real-world challenges**. Their mentorship and guidance create an enriching academic experience with high professional value.

- **Enjoy Flexible Learning Designed Around Your Schedule**

  Understanding the time constraints of working professionals, the e-Master's program offers a **highly flexible structure**. With **weekend and evening live sessions**, supported by **self-paced online modules**, you can balance your learning with personal and professional commitments. Whether you wish to accelerate or space out your learning, the program gives you the **freedom to progress at a pace that suits you best**.

.Eligibility Criteria

- Bachelor's degree in relevant discipline with minimum 55% marks or 5.5/10 CGPA.
- Minimum 2 years of industry experience.
- Additional program-specific eligibility may apply.
- Candidates working in industry with relevant experience are preferred.

IMPORTANT DATES:

Announcement of inviting applications online:	**02.07.2025**
Last date to receive online applications:	~~01.08.2025~~ ~~17.08.2025~~ ~~12.10.2025~~ ~~30.11.2025~~ **20.12.2025**
Announcement of shortlisted candidates for interview:	~~05.08.2025~~ ~~29.08.2025~~ ~~24.10.2025~~ ~~05.12.2025~~ **02.01.2026**
Dates of interview:	~~18.08.2025 to 20.08.2025~~ ~~15.09.2025 to 17.09.2025~~ ~~06.11.2025 to 07.11.2025~~ ~~18.12.2025 to 19.12.2025~~ **19.01.2026 to 20.01.2026**
Announcement of Results: **1. List of Selected Candidates**	~~22.08.2025~~ ~~19.09.2025~~ ~~10.11.2025~~ ~~22.12.2025~~ **21.01.2026**
2. Online Reporting and Payment of Fee	~~25.08.2025 to 26-08-2025~~ ~~22.09.2025 to 23-09-2025~~ ~~11.11.2025 to 12-11-2025~~ ~~22.12.2025 to 24-12-2025~~ **22.01.2026 to 23-01-2026**
3. Tentative Commencement of Online classwork	~~01-09-2025~~ ~~06-10-2025~~ ~~17-11-2025~~ ~~29-12-2025~~ **02-02-2026**

Note: The commencement of the course is subject to receiving a minimum required number of applications within the stipulated deadline. In the event this condition is not met, the fee paid will be carried forward and adjusted against the next phase of admissions.

Program Duration & Structure

Option 1: e-Masters with Thesis (2 Years)

- Total 36 credits: 24 course + 12 thesis
- Flexible semester load (0 to 6 modules per semester)
- Thesis to be completed in final year
- Project in industry with dual mentorship (NITW + industry)

Option 2: e-Masters without Thesis (1 Year)

- Total 24 credits (coursework only)
- Fully online with flexible pacing

Mode of Learning

- Online live sessions + self-paced content
- Evening/weekend classes (11–12 hrs/week)
- Online exams & assignments
- State-of-the-art e-learning platforms: Webex/Zoom/LMS
- No mandatory residential requirement

Fee Structure

S.No	Description	Amount
1	Seat Acceptance fee	₹20,000 (One-time)
2	Admission Fee:	₹60,000 (One-time)
3	Module Fee (24 credits):	₹3,60,000
4	Semester Fee:	₹60,000
5	Thesis Fee (if applicable):	₹60,000

Note: Concessions available for NITW Alumni, Defense, PSU, MSME, and Govt. Employees

Selection Process

The selection process for admission into the e-Master's programs at NIT Warangal is designed to ensure that candidates admitted are well-suited for the academic rigor and industry relevance of the program. Depending on the **volume of applications received and the number of seats available**, applicants may be required to undergo one or more of the following stages:

- **Online or Offline Entrance Test:** Candidates may be evaluated through a written or online test that assesses their foundational knowledge in relevant subject areas, analytical reasoning, and problem-solving capabilities. The test is structured to ensure that candidates possess the necessary aptitude and readiness for advanced coursework.
- **Personal/Technical Interview:** Shortlisted candidates may be invited for an interview—either in online or offline mode—to assess their **professional experience, motivation, academic background, and alignment with the program objectives**. The interview panel may include faculty members and program coordinators.

The final selection will be based on a **holistic evaluation of academic qualifications, work experience, test/interview performance, and overall program suitability**. Decisions made by the institute's admissions committee will be final and binding.

Department-wise Program Details and Course Structures

S.No	Name of the Department	Program (Executive e-Masters in)	Eligibiity
1	Civil Engineering	Road Safety and Traffic Management	B.Tech/B.E. in Civil or Highway Engineering with a minimum of 2 years' experience
2	Electrical Engineering	e-Mobility	B.E/B.Tech in EEE, ECE, Mechanical, Automobile, or Production Engineering with a minimum of 2 years' experience
3	Mechanical Engineering	Additive Manufacturing	B.E/B.Tech in Mechanical, Production, Metallurgy, Material Science, Automobile, Aeronautics, Aerospace, Mechatronics, Robotics, or Industrial Engineering with a minimum of 2 years' experience
4	Electronics and Communication Engineering	• AI for Signal Processing, • 5G Beyond and Semiconductor Technologies	B.E/B.Tech in ECE, EEE, or EI

5	Computer Science & Engineering	Artificial Intelligence and Machine Learning	4-year B.Tech/B.E./B.S. or 3-year B.Tech/B.E. after Diploma or Master's in CSE/IT/MCA/MBA/Maths/Physics/Electronics with at least one Mathematics course
6	Biotechnology	Biomanufacturing	B.Tech in Biotech/Chemical/Biomedical/Genetic Engineering; M.Sc in Life Sciences; B.Pharm/M.Pharm/Vet/Agri/Horticulture or related areas with minimum 2 years' experience