



**NATIONAL
INSTITUTE OF
TECHNOLOGY
CALICUT**

तमसो मा ज्योतिर्गमय

**GATE NOT
MANDATORY***

Department of Mechanical Engineering

**PhD ADMISSION OPEN
2026-27 MONSOON**



Unleashing Innovation in Industrial Engineering and Management Research



**Scan to
Apply**

**Why Choose
IEM@NITC?**

- **Faculty Excellence:**
Engage with leading experts dedicated to shaping the future of industrial engineering and management.
- **Cutting-Edge Facilities:**
Access state-of-the-art labs and resources to bring your research to life.
- **Collaborative Environment:**
Build interdisciplinary connections with researchers across AI, ML, Blockchain, and more.
- **Impactful Research:**
Contribute to solutions that make a difference in industries and communities.

**Application Deadline:
April 01, 2026**

**Explore Our Cutting-Edge
Research Areas:
(include but not limited to)**

Our Research Supervisors:

| | |
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- **Smart Supply Chains: AI, ML & Blockchain in Action** - Transforming operations with intelligent, data-driven, and secure technologies.
- **Closing the Loop: Circular Supply Chains** - Driving sustainability through circular economy principles.
- **Inside the Consumer Mind** - Decoding behaviour to shape smarter markets and decisions.
- **Resilient Operations: Disaster Prevention & Management** - Designing systems that anticipate, adapt, and recover.
- **Digital Twins in Supply Chains: Mirror Intelligence** - Leveraging digital replicas to optimize performance and decision-making.
- **Freight Logistics: Redefining Efficiency** - Shaping the future of freight through innovative logistics strategies.
- **Human Factors & Ergonomics: Designing for People** - Enhancing performance through human-centred systems and workplaces.
- **Humanitarian Logistics: Beyond Boundaries** - Delivering impactful logistics solutions in times of crisis.
- **Marketing Management: Engineering Market Impact** - Bridging industrial engineering insights with dynamic marketing strategies.
- **Port Operations & Management: Powering Seamless Seaports** - Driving efficiency and excellence in modern port systems.
- **Precision Agriculture: Farming with Intelligence** - Integrating technology and data for smarter crop management.



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*Non-GATE applicants must qualify in a national-level test conducted by the Department to be eligible for scholarships.