

Programme Highlights

- Total student intake: **25** (GATE) and other schemes
- Placement figures in 2022 & 2023: **95%**
- Internship offers in 2022 & 2023: **7 & 10**
- Emerging technological areas covered in the curriculum
- Four-phase project starting in the second semester

Major recruiters:



Research areas

AI/ML and Blockchain in Operations and Supply Chain Management
Circular Supply Chain | Consumer Behaviour | Disaster Prevention and Management | Digital Twins in Supply Chain Management | Freight Logistics Management | Human Factors and Ergonomics | Humanitarian Logistics | Marketing Management | Port Operations and Management | Precision Agriculture and more

Laboratory Facilities

Industrial Engineering Lab: Setup for construction of X bar and R charts, Pin Board Assembly, Setups for preparation of Learning Curve and Assembly Chart, Product Structure and MRP, Integrated Composite Anthropometer, Visual Acuity Apparatus, Setups for fitting Probability Distribution, Time Study, and Posture Analysis, Software package for Layout Planning, & more
Supply Chain and System Simulation Lab: Supply Chain Role Play Game (SCRPG), Vendor Managed Inventory based SCRPG, Supply Chain Performance Analysis using Excel, Manual Simulation, Arena, SCIPA, FIPA, MNMRP, Digital Human Modelling, Python, MATLAB, LINGO, AMPL, GAMS, R Studio, anyLogistix, WITNESS, STATA, SmartPLS, Tecnomatix, Siemens Jack, WorkPro, & more



M. Tech. Programme in Industrial Engineering and Management



Department of Mechanical Engineering
National Institute of Technology Calicut

NIT Campus P. O., Kozhikode – 673601, Kerala, India



hodmed@nitc.ac.in



04952286401



0495 2287250



www.nitc.ac.in



Vision and Mission of the Institute



Vision: International standing of the highest calibre.

Mission: To develop high quality technical education and personnel with a sound footing on basic engineering principles, technical and managerial skills, innovative research capabilities, and exemplary professional conduct to lead and to use technology for the progress of mankind, adapting themselves to changing technological environment with the highest ethical values as the inner strength.



Vision and Mission of the Department



Vision: To impart nationally and internationally recognized education in the fields of Mechanical Engineering, leading to well-qualified engineers who are innovative contributors to the profession and successful in advanced studies and research.

Mission: To offer high quality graduate and post graduate programmes in the fields of Mechanical Engineering and to prepare students for professional career and higher studies promoting excellence in teaching, research, entrepreneurship, collaborative activities with ethical values, making positive contributions to the society.



M. Tech. in Industrial Engineering and Management

Program Educational Objectives

- To train students with in-depth and advanced knowledge to become highly-skilled professionals in the areas of industrial engineering and management and allied fields, and to make capable of analysing and solving complex industrial engineering and management problems.



- To enable graduates to carry out innovative and independent research work in academia/industry to enhance the knowledge base in industrial engineering and management and to disseminate the knowledge.
- To prepare the students to exhibit a high level of professionalism, integrity, social responsibility and life-long independent learning ability.



Important Courses of Study

- Decision Modelling
- Inventory and Supply Chain Management
- Ergonomics and Work System Design
- Statistics for Management
- Lean Production Management
- Industrial Engineering Laboratory
- Data Science
- Machine Learning and Artificial Intelligence
- Operations Planning and Control
- Accounting and Finance for Management
- Modelling and Data Analytics Laboratory

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