राष्ट्रीय प्रौद्योगिकी संस्थान वारंगल

National Institute of Technology Warangal

An Institute of National Importance



DEPARTMENT OF MECHANICAL ENGINEERING

Ph D Brochure

Applications are invited for admission to the PhD program in the Department of Mechanical Engineering NIT Warangal for July - 2024 Session

Key Highlights

- Opportunity to work in multi-disciplinary research.
- Industrial interface and placement support.
- Excellent infrastructure and facilities.
- Travel support to conferences.
- Department is sanctioned with FIST grant by DST.
- Executed sponsored research projects worth 10.0 crores in the last 5 years.
- Number of papers published in the last 5 years: 300
- Conference proceedings: 180
- Patents granted: 25, Patents filed: 20;
- Technology Transfer:

Research Areas

- Engineering Design, FEA, Mechanisms, Dynamics, Tribology
- Composite Materials
- Nano materials, FGM
- Condition Monitoring
- Computational Mechanics
- Conventional & Unconventional Metal Forming
- Machining, Hybrid Machining,
- Robotics and Automation AI and ML
- Laser Assisted Machining,
- Friction stir welding, EDM
- 3D printing, Mechatronics
- Molecular Dynamics & Simulation
- Additive Manufacturing
- I C Engines, Bio Fuels, Heat and Mass Transfer, Fluid Mechanics,
- Refrigeration & Air Conditioning
- Micro and Nano fluids , Multiphase flows
- Phase Change Materials
- C F D, PEM Fuel Cells
- Renewable Energy
- Thermal Management

Available Schemes : PhD 1. Full Time 2. Part Time 3. QIP

Admissions Link : https://admissions.nitw.ac.in/register/?next=/

Who can apply??

M.Tech with/without GATE score

B.Tech with valid GATE score

Some of the selected candidates will have the opportunity to work on international SPARC projects and conduct a portion of their research in global research laboratories

Funding Agencies and Research Collaborations

Application Deadline: 03-04-2024

Further Contact : Prof. V. Suresh Babu, E-mail : mech_hod@nitw.ac.in; Tel: 08702462300

Department link : https://www.nitw.ac.in/mec

For more details : https://admissions.nitw.ac.in/static/files/2024/Brochure_july_2024.pdf