



राष्ट्रीय प्रौद्योगिकी संस्थान कालिकट
**National Institute of
Technology Calicut**
(An Institute of National Importance)

Department of Chemical Engineering

PhD Admissions 2023-24

Applications are invited from enthusiastic highly motivated students for admission to its PhD program for the Monsoon semester 2023-24

Last Date of Online Application: ²⁷~~17~~ April, 2023 (05:00 PM)
Selection Process: Written Test & Interview conducted by the Department

GATE SCORE NOT MANADATORY

FULL-TIME SCHEME ELIGIBILITY

ME/MTech degree in Chemical Engineering/ Petroleum/ Petrochemical/Energy/Environmental Technology/Biotechnology/ Industrial Biotechnology/ Biochemical/Polymer science & Technology/Ceramic/Nanotechnology/Material science/Thermal Engineering/Metallurgy/ Applied Electronics / Instrumentation and Control with > 6/10 CGPA (60 %).

Note: Direct PhD and Self-Supporting or Industry Supported schemes are also available.

HIGHLIGHTS

- PhD Stipend and Contingency as per Institute norms
- Work with world-class faculty on cutting-edge technologies
- Address research problems of industrial importance and societal relevance
- State-of-the-art characterization and research facility
- Over 600 Lakhs INR funded projects from Government and Industries
- Intellectually stimulating and vibrant campus life

Application Link

<https://dss.nitc.ac.in/mtechapp/phd/frmlogin.aspx>

**For
More
Information
Scan...**



RESEARCH AREAS

Energy and Electrochemical Engineering

- Electrochemical systems
- Fuel Cells
- Microbial Fuel Cells
- Phase Change Heat transfer

Environmental Engineering

- Carbon Capture and Storage
- Desalination
- Membrane Separation
- Microfluidics
- Wastewater Treatment

Materials Science and Engineering

- Carbon-based materials
- Nano –composites
- Polymers and polymer Composites
- Soft Matter

Process Control, Optimization and Systems Engineering

- Flow Assurance in Oil and Gas Pipelines
- Process Intensification
- Rheology

Process Modelling, Simulation, CFD and Theoretical Computation

- Machine Learning
- Molecular Simulations
- Multiphase Flow Modelling
- Non-Newtonian Fluid Dynamics
- Thermodynamic Modelling

Reaction and Bioprocess Engineering

- Bio-materials
- Biofuels
- Catalysts

Design: PenasDe/mkem/210323

For more details contact : hodchemical@nitc.ac.in