

तमसो मा ज्योतिर्गमय

M. Tech. Power Systems

Department of Electrical Engineering
National Institute of Technology Calicut

Program Educational Objectives (PEOs) for M.Tech Power Systems

PEO1 To equip the engineering graduates with enhanced knowledge and skills in the area of power systems so as to excel in various sectors in the modern power industry/utility and/ or teaching and/or higher education and /or research.

PEO2 To transform engineering graduates to expert power engineers so that they could comprehend, analyze, design and create novel products and strategic solutions to real life problems in the areas of power systems that are technically sound, economically feasible and socially acceptable.

PEO3 To train engineering graduates to exhibit professionalism, keep up ethics in their profession and relate engineering issues to address the technical and social challenges.

PEO4 To improve the communication skills and willingness to work in groups and to develop a multidisciplinary approach in problem solving.

The Master's degree in Power Systems gives the graduate students a thorough understanding of the tools, methods, and practice of power system engineering and management. The goal of the course is to provide an education that will lead to a career in industry and other research centres. The program is designed to educate the engineering workforce which is currently in demand.

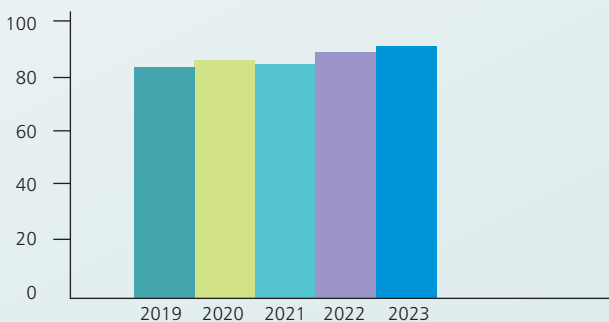
Potential Job Opportunities

Power System Engineer - Grid Studies | Transmission system Engineer | Energy Analyst | System Studies Specialist | Technical Expert - Power Systems | Electrical & Power Engineer | Test Engineer - Power System Protection | Power System Modelling Associate | Power System Consultant | Energy Market Analyst/Researcher | Application Engineer - Power Systems | Research Engineer - Power Systems etc.

Employers



Placements



Over 4000 citations

Over 200 articles published in journals

Over 1000 conference papers presented

Over 10 patents filed

Over 80 workshops/FDPs organized

Courses

Computer Methods in Power System Analysis,
Power Converters for Power Systems Application
Advanced Power System Operation and Control
Signal Processing for Power Systems
Power System Stability and Dynamics
FACTS and HVDC
Digital Protection of Power systems
Power System Economics and Deregulation
Mathematical Methods for Power Engineering
Power Systems Computation Lab
Advanced Power Systems Lab
Power Quality Issues and Remedial Measures
Wide Area Monitoring and Control of Power Systems
Power System Reliability
Parallel and Distributed Processing of Power Systems
Smart Grid Technologies
Distributed Generation and Microgrids
Power System Automation
Data Analytics in Power Systems

Laboratories

Power Systems Lab
Real Time Simulation Lab
Hybrid Energy Systems Lab
Simulation Lab
Industrial Power Lab

Software tools



For Enquiries

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https://old.nitc.ac.in/electrical/Power_Systems/ps_indexI.html

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