



INDIAN INSTITUTE OF TECHNOLOGY MANDI

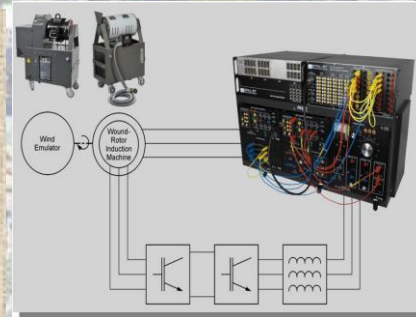
Himachal Pradesh -175005, India

SCHOOL OF COMPUTING AND ELECTRICAL ENGINEERING (SCEE)

M.Tech. – Power Electronics and Drives



Objective: To train students for state-of-the-art practices in area of Power Electronics and Drives and to generate new knowledge by engaging in cutting-edge research to serve as a valuable resource for industry and society.



FACILITIES FOR INNOVATIVE PROJECTS

- Real-time Digital Simulators
- Smart Energy Test Bed
- Wind Turbine with Hardware-in-loop
- Solar Emulators
- Electric Drive Setups
- Power Electronic Inverters/Amplifiers
- cRIO/sbRIO from National Instruments
- Real-time Controllers, etc.

SOFTWARES AVAILABLE FOR R&D

- MATLAB/Simulink, LabView, DigSilent, RSCAD/PSCAD, ANSYS, COMSOL, CADENCE, etc.

Why to Join this Program?

- State-of-art power electronics and drives practicum
- Practice and Research oriented curriculum
- Experimental/practicum based learning
- Opportunity to work in Industrial/research projects
- Best academic environment and campus nestled in the Sivalik Range of the Himalayas

Where are the opportunities after studying this course?

Power Sector Utilities & Companies like GE, BEL, DRDO, ISRO, Honeywell, ABB, ALSTOM, BHEL, NTPC, PGCIL, Schneider, BOSCH, etc.

ELIGIBILITY:

- BE/B. Tech. (EE/EEE) & **Valid GATE Score in EE**

IMPORTANT DATES:

- Start of online application: March 21, 2017
- Last date for application: April 18, 2017
- Date of Interview: May 13-14, 2017
- Apply online at: <http://oas.iitmandi.ac.in/admission>

ONGOING INDUSTRIAL & RESEARCH PROJECTS

- Grid Integration of Renewable Energy
- Micro-grids Design & Analysis
- Efficient Design and Control of Electric Drives
- Power Quality Analysis
- Solar-photovoltaic Energy Systems
- Hybrid Energy Storage
- Hardware-in-loop Testing
- Many more...

