

### **M. Tech. -Electrical Engineering** (Power System / Machines & Drives)

Fees : 1,00,000\* per Year

Eligibility : BE/B.Tech. or equivalent examination Degree in Electrical Engineering with 50% (45% for SC/ST/OBC candidates)

### **Faculty Strength**

- Department has well experienced faculties having more than 05 years to 21 years' experience.
- Faculty involves in research and promote themselves for higher studies (Ph. D.).
- Several publications from faculty members in reputed journals & conferences.
- Focus on practical based teaching and learning.
- Use of ICT tools for teaching and learning.



### **Key Features @ Electrical, Gnu-Uvpce**

- Value Added Courses (Ethics & Value)
- Well-equipped laboratories like advanced electrical machines, drives, power system, high voltage, microprocessor & microcontroller, advanced power electronics, simulation etc.
- Separate project lab for research activity.
- Seminar on current Trends
- Training & Placement activity cell
- Departmental Library
- Co-curricular activity (STTP/ Workshop/ Convergence/ Expert Lecture)
- Extra-curricular activities (Youth festival/ Navratri/ NSS/ Blood Donation camp)
- Toppers are awarded with additional scholarship annually

# Career Opportunities after M. Tech - Electrical Engineering

## Government Jobs (Class I & Class II)

As an Electrical Engineer in Gujarat Engineering Services, As a Junior Assistant Electrical Inspector in Government Energy & Power Sector, Jr. Electrical Supervisor in R & B sector, Jr. Electric Engineer in Indian Railways

## Public Sector

NPC India, BSNL, BHEL, HCL, Indian Renewable Energy Development Agency, ONGC, NTPC, PGCIL, NHPC etc.

## Industry

General Electric, Shell Oil, Servomax, Mitsubishi, ABB, Siemens India, Schneider Electric, PCB planet, Polycab wires, Suzlon Energy etc.

## Further Study

Ph. D.

## Entrepreneur

Manufacturing of Electrical Equipment, Dealership, Electrical Contractor - service & maintenance of Electrical Equipment.

## CURRICULUM & PROGRAMME

Advance Electrical Machine, Advanced Control System, Advance Power Electronics, FACTS Devices, Digital Signal Processor, Application of AI in Electrical Engineering, Power System Dynamics & Control, Modern Power System Protection, Power System restructuring, Power Quality & Energy Management, Electrical Drives, Computer Based Power System.

- Project based learning method.
- Professional approach and ethic in engineering.
- Choice Based Credit System, Continuous Evaluation Pattern

