



अनुसंधान प्रबंधन और राष्ट्रीय प्रौद्योगिकी संस्थान
RESEARCH MANAGEMENT AND NATIONAL INSTITUTE OF TECHNOLOGY
(An Autonomous institution under Ministry of HRD, Govt. of India)
(A 9001-2008 ISO CERTIFIED INTERNATIONAL B-SCHOOL)

Diploma Electrical Engineering On UGC Model Curriculum

Duration

3 Years

Type

Diploma

Level

Diploma After 10th

Eligibility

10th

Diploma in Electrical Engineering is a Diploma level Electrical Engineering course. Electrical engineering is a field of engineering that generally deals with the study and application of electricity, electronics and electromagnetism. The field first became an identifiable occupation in the late nineteenth century after the commercialization of the electric telegraph and electrical power supply. It now covers a range of subtopics including power, electronics, control systems, signal processing and telecommunications. There are equally good opportunities for jobs in the electrical engineering industry and higher education.

Diploma in Electrical Engineering Eligibility

- The candidates should have passed 10th class or equivalent with Mathematics and Science from a recognized Board/University.

Diploma in Electrical Engineering Syllabus

Syllabus of Electrical Engineering as prescribed by various Universities and Colleges.

Sem. I	
Sr. No.	Subjects of Study
1	Applied Science
2	Applied Mathematics I
3	Mechanical Engg. Sciences
4	Elements of Electrical Engg
5	Applied Science lab
6	Basic Computer Skills Lab
7	Electrical Wiring Lab
Sem. II	
1	Applied Mathematics II
2	English Communication
3	Electrical Circuits
4	Electronics I
5	Computer Aided Engg. Drawing
6	Electrical Circuit Laboratory
7	Electronics-I Lab
Sem. III	
1	Electrical Machines I
2	Communication and Computer networks
3	Electrical & Electronics Measurements
4	Electronics II
5	Electrical measurements Lab
6	Electronics Lab II
7	Computer-Aided Electrical Drawing
Sem. IV	
1	Electrical Machines II
2	Electrical Power Generation
3	Transmission and Distribution
4	Power Electronics
5	Electrical Machines Lab
6	Power Electronics Lab
7	C-Programming Lab
Sem. V	
1	Estimation & specification
2	Switchgear & protection
3	Embedded system (elective)
4	Electrical workshop
5	Embedded system lab
6	Electrical installation design lab
7	CASP
8	Project work Phase I
Sem. VI	

1	Industrial drives & control
2	Utilisation of electrical energy & management
3	Basic management skills and Indian constitution
4	Electric motor control lab
5	PLC & HDL lab
6	Project Work Phase II
7	Industrial visit

Diploma in Electrical Engineering Colleges

- Dr. B.R. Ambedkar National Institute of Technology - NIT Jalandhar, Jalandhar
- Bongaigaon Polytechnic, Bongaigaon
- Next Wave Arts Institute of Multimedia and Technology, Chandigarh
- Aastha Polytechnic, Yamuna Nagar

Diploma in Electrical Engineering Course Suitability

- Graduates apply the principles of Mathematics, Science, Electrical & Electronics engineering to solve real-world problems.
- The knowledge gained by graduates both in theory and practice enables them to analyze and find solutions to problems relating to Electrical, Electronics and Computer Engineering.

How is Diploma in Electrical Engineering Course Beneficial?

- The course is beneficial for further studies such as B.E, M.E., Ph.D., etc.
- Candidates can be absorbed as Trainees in reputed Public Sector/Private Sector companies. They have openings in the software industry as design engineers as they have adequate knowledge of CAD. They also find openings as power control engineers.
- They are offered specialized training in power control by industries such as BEL, BHEL, CPRI, KPTCL etc.
- They can become Class I Government Licensed Engineers to undertake the erection of electrical layout works in industries.

Diploma in Electrical Engineering Employment Areas

- Colleges & Universities
- Mentor Graphics - Noida
- RGF Select India Pvt. Ltd. - Gurgaon
- Genlet Engineering Pvt. Ltd. - Kochi
- Centre for Development of Advanced Computing C-DAC - Pune
- Vijai Electricals Ltd. - Haridwar
- Abacus Consultants - Pune

Diploma in Electrical Engineering Job Types

- Electrical Design Engineer
- Transformer Design Engineer
- Field Application Engineer

- Technical Trainer
- Verification Engineer
- Environmental Specialist
- Teaching Associate