



केन्द्रीय शैक्षणिक एवम् तांत्रिक माहिती संशोधन समीती

CENTRAL EDUCATION & INFORMATION TECHNOLOGY RESEARCH COMMITTEE
AN AUTONOMOUS INSTITUTION REGD. BY THE GOVT. OF NCT OF DELHI UNDER ITA 1882 GOVT. OF INDIA
REGD. BY NCS-MINISTRY OF LABOUR AND EMPLOYMENT GOVT. OF INDIA
REGD. AT MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISES (MSME), GOVT. OF INDIA
An Autonomous Organization works for IT, HRD & Literacy



Diploma in Electrician

Diploma in Electrical Engineering is a three-year programme where the students are taught about the application of electromagnetism, electronics, and electricity. It is a part of the Engineering field of study. A wide range of topics is taught to the students pursuing a diploma in electrical engineering such as telecommunications, signal processing, control systems, electronics, and power. Today the market is beaming with opportunities for an electrical engineer, as electricity has become an indispensable part of human lives.

Diploma in Electrical Engineering Syllabus

The detailed semester-wise syllabus for the diploma in electrical engineering programme is given in the table below -

S.No	Particulars
Semester - I	Electrical Wiring Lab Basic Computer Skills Lab Applied Science Lab Elements of Electrical Engineering Mechanical Engineering Sciences Applied Mathematics - I Applied Sciences
Semester - II	Electronics Lab - I Electrical Circuit Laboratory Computer-Aided Engineering Drawing

	<p>Electronics - I</p> <p>Electrical Circuits</p> <p>English Communication</p> <p>Applied Mathematics - II</p>
Semester - III	<p>Computer-Aided Electrical Drawing</p> <p>Electronics Lab - II</p> <p>Electrical Measurements Lab</p> <p>Electronics - II</p> <p>Electrical and Electronics Measurement</p> <p>Communication and Computer Networks</p> <p>Electrical Machines - I</p>
Semester - IV	<p>C-Programming Lab</p> <p>Power Electronics Lab</p> <p>Electricals Machines Lab</p> <p>Power Electronics</p> <p>Transmission and Distribution</p> <p>Electrical Power Generation</p> <p>Electrical Machines - II</p>
Semester - V	<p>CASP</p> <p>Electrical Installation Design Lab</p> <p>Embedded System Lab</p> <p>Electrical Workshop</p>



Embedded System (Elective)

Switchgear and Protection

Estimation and Specification

Project Work Phase - I

Semester - VI

PLC and HDL Lab

Electric Motor Control Lab

Basic Management Skills and Indian Constitution

Utilization of Electrical Energy and Management

Industrial Devices and Control

Industrial Visit

Project Work Phase - II

