

DIPLOMA IN ELECTRICAL ENGINEERING

3-Year / 6-Semester Curriculum

Duration: 3 Years **Pattern:** Semester System **Total Semesters:** 6

Eligibility: 10th Pass / Equivalent

SEMESTER I – FIRST YEAR

Subject Code	Subject Name
DEE-101	Engineering Mathematics – I
DEE-102	Engineering Physics
DEE-103	Engineering Chemistry
DEE-104	Communication Skills
DEE-105	Engineering Graphics
DEE-106	Fundamentals of Electrical Engineering
DEE-107	Engineering Physics Laboratory
DEE-108	Engineering Chemistry Laboratory
DEE-109	Electrical Workshop Practice
DEE-110	Communication Skills Laboratory

SEMESTER II – FIRST YEAR

Subject Code	Subject Name
DEE-201	Engineering Mathematics – II
DEE-202	Applied Physics
DEE-203	Electrical Circuit Theory
DEE-204	Electronic Devices and Circuits
DEE-205	Electrical Measurements and Instruments
DEE-206	Computer Fundamentals
DEE-207	Electrical Circuit Laboratory
DEE-208	Electronics Laboratory
DEE-209	Computer Applications Laboratory
DEE-210	Electrical Workshop Practice – II

SEMESTER III – SECOND YEAR

Subject Code	Subject Name
DEE-301	Electrical Machines – I
DEE-302	Electrical Circuit Analysis
DEE-303	Electrical and Electronic Measurements
DEE-304	Power Generation Systems
DEE-305	Electrical Materials
DEE-306	Digital Electronics
DEE-307	Electrical Machines – I Laboratory
DEE-308	Measurements & Instrumentation Laboratory
DEE-309	Electrical Workshop & Wiring Laboratory
DEE-310	Digital Electronics Laboratory

SEMESTER IV – SECOND YEAR

Subject Code	Subject Name
DEE-401	Electrical Machines – II
DEE-402	Transmission and Distribution of Electrical Power
DEE-403	Power Electronics
DEE-404	Control Systems
DEE-405	Electrical Installation and Estimation
DEE-406	Microprocessors and Microcontrollers
DEE-407	Electrical Machines – II Laboratory
DEE-408	Power Electronics Laboratory
DEE-409	Electrical Installation Laboratory
DEE-410	Microprocessor & Microcontroller Laboratory

SEMESTER V – THIRD YEAR

Subject Code	Subject Name
DEE-501	Power Systems – I
DEE-502	Switchgear and Protection
DEE-503	Electrical Drives
DEE-504	Renewable Energy Systems
DEE-505	PLC and Industrial Automation
DEE-506	Electrical Machine Design
DEE-507	Power Systems Laboratory
DEE-508	Electrical Drives Laboratory
DEE-509	PLC & Industrial Automation Laboratory
DEE-510	Computer-Aided Electrical Drawing
DEE-511	Industrial Training / Internship

SEMESTER VI – THIRD YEAR

Subject Code	Subject Name
DEE-601	Power Systems – II
DEE-602	Utilization of Electrical Energy
DEE-603	Energy Conservation and Audit
DEE-604	High Voltage Engineering
DEE-605	Electric Vehicle Technology
DEE-606	Entrepreneurship and Management
DEE-607	Electrical Estimation & Costing Laboratory
DEE-608	Energy Audit Laboratory
DEE-609	Electric Vehicle Technology Laboratory
DEE-610	Project Work
DEE-611	Seminar / Viva Voce

SUGGESTED ELECTIVE SUBJECTS

Code	Elective Subject
DEE-E01	Solar Photovoltaic Systems
DEE-E02	Wind Energy Technology
DEE-E03	Industrial Automation
DEE-E04	Advanced PLC
DEE-E05	Electric Vehicle Systems
DEE-E06	Smart Grid Technology
DEE-E07	Power Quality
DEE-E08	Biomedical Instrumentation

Note: Subject codes are an institutional model and may be modified according to the affiliating university/board requirements.