Diploma in Electrical Engineering Diploma in Electrical Engineering

Eligibility	S.S.C with Work Experience
Duration	1 - 3 Year
Fees	27,500.00
Syllabus	**SEM – I** 1. Applied Science 2. Applied Mathematics - I 3. Elements of Electrical Engineering 4. Mechanical Engineering sciences 5. Electrical Wiring **SEM – II** 1. Applied Mathematics - II 2. English Communication 3. Electrical Circuit 4. Electronics - I 5. Computer Aided Engineering Drawing **SEM – III** 1. Electrical Machines - I 2. Communication & Computer Networks 3. Electrical & Electronics Measurements 4. Electronics - II 5. Computer Aided Electrical Drawing **SEM -- IV** 1. Electrical Machines - II 2. Electrical Power Generation 3. Transmission & Distribution 4. Power Electronics 5. C - Programming **SEM - V**

	1. Estimation & Specification 2. Switchgear & Protection 3. Embedded System 4. Electrical Installation Design 5. CASP **SEM - VI** 1. Industrial Drives & Control 2. Utilization of electrical Energy & Management 3. Basic Management Skill & Indian Constitution 4. Electrical Motor Control 5. PLC & HDL

Bachelors Program in Electrical Engineering

Eligibility	3 Years Diploma or HSC with 3 years Work Experience
Duration	1 - 4 Year
Fees	37,500.00
Syllabus	**SEM – I** 1. Calculus 2. Physics 3. Mechanics of Solids 4. English 5. Engineering Graphics 6. Linear Algebra **SEM – II** 1. Chemistry 2. Environment & Energy Studies 3. Art of Programming 4. Elements of Electrical Engineering 5. Communication Skills 6. Mathematics of Electrical Engineers

SEM – III

1. Thermal & Hydraulics Prime Movers
2. Analogue Electronic Circuits
3. Network Analysis & Synthesis
4. Electrical Engineering Materials
5. Electrical Transducer & Measurements
6. ICT Tools & Security

SEM – IV

1. Fundamentals of Electrical Power Systems
2. DC Machines & Transformers
3. Digital Electronic Circuits
4. Fundamentals of Power Electronics
5. Control System Engineering
6. Engineering Electromagnetic

SEM -- V

1. Economics for Engineers
2. Ethics & Values
3. Analysis of Electrical Power Systems
4. Rotating AC Machines
5. High Voltage Engineering
6. Power Electronic Converters

SEM -- VI

1. Utilization of Electrical Power
2. Microprocessor & Microcontroller
3. Power System Operation & Control
4. Electrical Drives & Traction System
5. Testing, Commissioning & Maintenance of Electrical Equipment
6. Electronic System Design

SEM -- VII

1. Permanent Magnet Brushless & Reluctance Motors
2. Renewable Energy Sources
3. Advanced Microprocessors & Microcontrollers
4. Signals & Systems
5. Dynamics & Modeling of Electrical machines

	6. Extra High Voltage Transmission **SEM -- VIII** 1. Electrical Machine Design 2. Digital Signal Processors for Electrical Engineering 3. Power System Protection & Switchgear 4. Organizational Behavior 5. Applications of Power Electronics in Power System 6. Computer Techniques in Power System

Master in Electrical Engineering

Eligibility	Graduate or Diploma with 5 years Work Experience
Duration	1 - 2 Year
Fees	34,500.00
Syllabus	**SEM – I** 1. Field Computation of Electromagnetic devices 2. Modeling & Simulation of Dynamic Systems 3. Advanced Instrumentation Techniques 4. Special Purpose Electrical Machines 5. Control System Engineering 6. Advanced Power System Principles 7. Lighting Design & Calculation **SEM – II** 1. Static Converters in Electric Drives 2. Digital Control Theory 3. Elements of High Voltage Engineering 4. Material Technology 5. Active Circuits & Systems 6. Optimization Techniques 7. Solid State Power Supplies **SEM -- III**

1. Modeling & Analysis of Electrical machines & Drives
2. Transducer Technology
3. Power System Analysis
4. High Voltage Fields
5. Optimal & Robust Control
6. Computer Control of Industrial Processes
7. Small Machines, Incremental Motion Devices

SEM -- IV

1. Computer Application in Instrumentation
2. Power System Operation
3. Dielectric Engineering
4. Real Time Systems
5. Nonlinear & Adaptive Control
6. High Voltage Equipment
7. Specialization