Diploma in Electrical & Electronics Engineering

Eligibility	S.S.C with Work Experience
Duration	1 - 3 Year
Fees	27,500.00
Syllabus	**SEM – I** 1. Communication English I 2. Engineering Mathematics I 3. Engineering Physics I 4. Engineering Chemistry I 5. Engineering Graphics I **SEM – II** 1. Communication English II 2. Engineering Mathematics II 3. Engineering Physics II 4. Engineering Chemistry II 5. Engineering Graphics II **SEM – III** 1. Electrical Circuit Theory 2. Electrical Machines I 3. Electronic Devices & Circuit 4. Electrical Circuit & Machines 5. Measurements & Instruments **SEM -- IV** 1. Electrical Machines II 2. Digital Electronics 3. Transducer & Single Conditioners 4. Electrical Machines Instrumentations 5. Digital Electronics & Linear Integrated Circuits **SEM - V** 1. Power System I 2. Microcontrollers

	3. Special Electrical machines 4. Electrical Circuit Simulation 5. Control of Electrical Machines **SEM - VI** 1. Programmable Logic Controller 2. Electrical Machine Design 3. Electrical Estimation & Energy Auditing 4. Power System II 5. Power Electronics

Bachelors Program in Electrical & Electronics 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. Engineering Graphics 5. English 6. Linear Algebra **SEM – II** 1. Chemistry 2. Environment & Energy Studies 3. Art of Programming 4. Elements of Electrical Engineering 5. Communication Skills 6. Electronic Devices & Circuit

SEM – III

1. Thermal & Hydraulic Machines
2. Industrial Psychology
3. Basic System Analysis
4. Electrical Measurements & Measuring Instruments
5. Analogue & Digital Electronics
6. Human Values & Professional Ethics

SEM – IV

1. Microprocessors
2. Biomedical Instrumentation
3. Network Analysis & Synthesis
4. Electrical & Electronics Engineering Materials
5. Electromechanical Energy Conversion - I
6. Optimization Techniques

SEM -- V

1. Engineering & Managerial Economics
2. Fundamentals of E. M. Theory
3. Electromechanical Energy Conversion - II
4. Control System
5. Elements of Power System
6. Analogue Integrated Electronics

SEM -- VI

1. Industrial Management
2. Power System Analysis
3. Power Electronics
4. Analogue & Digital Communication
5. Human Values & Professional Ethics
6. Illumination Technology

SEM -- VII

1. Electrical Instrumentation & Process Control
2. Switch Gear & Protection
3. Heat Power Engineering
4. Active & Passive Network Synthesis
5. Multimedia Systems
6. Electrical & Electronics Engineering

	SEM -- VIII 1. Data Communication Networks 2. Computer Organization & Architecture 3. Transducer & Sensors 4. Electromagnetic Theory 5. Micro Processor & Micro Controller 6. Electric Driver

Master Program in Electrical & Electronics Engineering

Eligibility	Graduate or Diploma with 5 years Work Experience
Duration	1 - 2 Year
Fees	34,500.00
Syllabus	**SEM – I** 1. Probing at the Nan Scale 2. Data Networks 3. Digital Communication 4. Energy Efficient Electronics Technology 5. Advanced Power Electronics & Drives 6. Modern Control Systems 7. Wide Band Gap Electronics **SEM – II** 1. Power Generation Systems 2. Network QoS & Control 3. RF & Microwave 4. Signal Analysis & Modeling 5. Digital Signal Processing & Communication 6. Lasers 7. Project Planning

	SEM -- III 1. Circuit Theory & Networks 2. Materials Science 3. Electromagnetic Theory 4. Electric Drives 5. Active & Passive Network Synthesis 6. Heat Power Engineering 7. Multimedia Systems **SEM -- IV** 1. Industrial Management 2. Microprocessor Based System 3. Advanced Numerical Computation 4. Remote Control & Telemetry 5. AI & Neural Networks 6. Optimal Control System 7. Specialization