K.L.N. COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Total number of Courses: 64
Total credits : 189

PRE-REQUISITE FLOW CHART

YEAR I

SEMESTER I
- Technical English I
- Mathematics I
- Engineering Physics I
- Engineering Chemistry I

SEMESTER II
- Technical English II
- Mathematics II
- Engineering Physics II
- Engineering Chemistry II

SEMESTER III
- Transforms and Partial Differential Equations
- Digital Logic Circuits
- Electromagnetic Theory
- Environmental Science and Engineering

YEAR II

SEMESTER III
- Linear Integrated Circuits and Applications
- Linear and Digital Integrated Circuits Laboratory

SEMESTER IV
- Numerical Methods
- Electrical Machines I
- Object Oriented Programming
- Transmission and Distribution
- Measurements and Instrumentation
- Object Oriented Programming Laboratory
- Electrical Machines Laboratory I

PRE-REQUISITE FLOW CHART

Contd.......
YEAR III

SEMESTER V
- Power System Analysis
- Microprocessors and Microcontrollers
- Power Plant Engineering
- Power Electronics
- Electrical Machines II
- Control Systems
- Control and Instrumentation Laboratory
- Communication Skills – Laboratory Based
- Electrical Machines Laboratory II

SEMESTER VI
- Communication Engineering
- Solid State Drives
- Embedded Systems
- Design of Electrical Machines
- Power System Transients
- Power Electronics & Drives Laboratory
- Microprocessor & Microcontroller Laboratory
- Presentation Skills and Technical Seminar

YEAR IV

SEMESTER VII
- High Voltage Engineering
- Protection and Switchgear
- Special Electrical Machines
- Principles of Management
- Flexible AC Transmission Systems
- Microcontroller Based System Design
- Power System Simulation Laboratory
- Comprehension

SEMESTER VIII
- Electric Energy Generation, Utilization and Conservation
- Power Electronics for Renewable Energy Systems
- Total Quality Management
- Project Work

Legend:
- Science & Humanities
- Basic Civil & Mechanical
- Electrical Core
- Electronics Core
- Computing
- Management
- Elective

Pre-requisite
Co-requisite