

## Syllabus for Electronics & Communication PGQP52

- Basic Circuit Theory and Network Analysis
- Mathematics Foundation for Electronics
- Semiconductor Devices
- Applied Physics
- Electronic Circuits
- Digital Electronics and Verilog
- C Programming and Data Structures
- Operational Amplifiers and Applications
- Signals and Systems
- Electronic Instrumentation
- Microprocessors and Microcontrollers
- Electromagnetics
- Communication Electronics
- Photonics
- Power Electronics
- Numerical Analysis
- Modern Communication Systems
- Semiconductor Fabrication and Characterization
- Electrical Machines
- Basic VLSI Design
- Digital Signal Processing
- Control Systems
- Computer Networks
- Nano electronics
- Embedded Systems
- Biomedical Instrumentation
- Transmission Lines, Antenna and Wave Propagation
- Dissertation
- Design and Fabrication of Printed Circuit Boards
- Robotics
- Mobile Applications Development
- Internet Technologies
- Cyber Security
- Electrical Vehicles
- IoT