

**DEPARTMENT OF TECHNICAL EDUCATION**  
**DIPLOMA ELECTRONICS & COMMUNICATION ENGINEERING (OBE)**

**FIRST YEAR**

**FIRST SEMESTER**

ENGINEERING MATHEMATICS – I (15SC01M)  
APPLIED SCIENCE (15SC03S)  
BASICS OF ELECTRICAL & ELECTRONIC ENGG.(15EC11T)  
APPLIED SCIENCE LAB (15SC04P)  
BASICS OF ELECTRICAL & ELECTRONIC ENGG LAB (15EC12P)  
COCEPTS OF COMPUTER LAB (15EC13P)

**SECOND SEMESTER**

ENGINEERING MATHEMATICS – II (15SC02M)  
COMMUNICATION SKILLS IN ENGLISH (15SC03S)  
BASIC OF SEMICONDUCTOR DEVICES (15EC21T)  
SEMICONDUCTOR DEVICES (15EC22P)  
DIGITAL ELECTRONICS LAB (15EC23P)  
MATHEMATICAL SIMULATION LAB (15EC24P)

**SECOND YEAR**

**THIRD SEMESTER**

ANALOG ELECTRONIC CIRCUITS (15EC31T)  
DIGITAL ELECTRONICS (15EC32T)  
ANALOG COMMUNICATION (15EC33T)  
ELECTRONIC MEASUREMENTS & INSTRUMENTATION (15EC34T)  
ANALOG ELECTRONICS & COMMUNICATION LAB (15EC35P)  
DIGITAL ELECTRONICS LAB - II (15EC36P)  
C – PROGRAMMING LAB (15EC37P)  
KANNADA KALI-1 (15KA3NT)  
TANTRIKA KANNADA-1 (15KA3KT)

**FOURTH SEMESTER**

PROFESSIONAL ETHICS & INDIAN CONSTITUTION (15EC41T)  
MICROCONTROLLER & APPLICATIONS (15EC42T)  
DIGITAL COMMUNICATION (15EC43T)  
DATA COMMUNICATION & COMPUTER NETWORKS (15EC44T)  
PROFESSIONAL PRCTICE LAB (15EC45P)  
MICROCONTROLLER LAB (15EC46P)  
DIGITAL COMMUNICATION & NETWORKING LAB (15EC47P)  
KANNADA KALI-2 (15KA4NT)  
TANTRIKA KANNADA-2 (15KA4KT)

**THIRD YEAR**

**FIFTH SEMESTER**

ORGANISATIONAL MANAGEMENT (15EC51T)  
ARM CONTROLLER (15EC52T)  
ADVANCED COMMUNICATION (15EC53T)  
APPLICATIONS OF ELECTRONICS ENGG (15EC54T)  
ARM CONTROLLER LAB (15EC55P)  
PCB DESIGN FABRICATION LAB (15EC56P)  
ELECTRONICS SERVICING LAB (15EC57P)  
PROJECT WORK-I (15EC58P)

**SIXTH SEMESTER**

INDUSTRIAL AUTOMATION (15EC61T)  
EMBEDDED SYSTEMS (15EC62T)  
ELECTIVE COURSE \*\*\*  
INDUSTRIAL AUTOMATION LAB (15EC64P)  
VERILOG LAB (15EC65P)  
PROJECT WORK-II (15EC66P)  
IN PLANT TRAINING (15EC67P)

**\*\*\*ELECTIVE COURSES/COURSE CODE**

1. MEDICAL ELECTRONICS (15EC63A)    2. ADVANCED MICROPROCESSORS (15EC63B)    3. OOPs USING C++ (15EC63C)