

**DEPARTMENT OF TECHNICAL EDUCATION**  
**DIPLOMA COMPUTER SCIENCE & ENGINEERING (OBE)**

**FIRST YEAR**

**FIRST SEMISTER**

- 1 Engineering Mathematics – I (15SC01M)
- 2 Applied Science (15SC03S)
- 3 Concepts of Electrical & Electronic Engineering (15ECO1T)
- 4 Applied Science Lab (15SC04P)
- 5 Basic Electronic Lab (15ECO2P)
- 6 Basic Computer Skills Lab (15CS11P)

**SECOND SEMISTER**

- 1 Engineering Mathematics –II (15SC02M)
- 2 Communication Skills in English (15CP01E)
- 3 Digital and Computer Fundamental (15CS21T)
- 4 Digital Electronics Lab (15ECO3P)
- 5 Basic Web Design Lab (15CS22P)
- 6 Multimedia Lab (15CS23P)

**SECOND YEAR**

**THIRD SEMISTER**

- 1 Programming with C (15CS31T)
- 2 Computer Organization (15CS32T)
- 3 Database Management System (15CS33T)
- 4 Computer Network (15CS34T)
- 5 Programming with C Lab (15CS35P)
- 6 DBMS and GUI Lab (15CS36P)
- 7 Network Administration Lab (15CS34P)
- 8 Kannada kali – 1 (15KA3NT)
- 9 Tantrika Kannada -1 (15KA3KT)

**FOURTH SEMISTER**

- 1 Data Structure using C (15CS41T)
- 2 OOP with Java (15CS42T)
- 3 Operating System (15CS43T)
- 4 Professional Ethics & Indian Constitution (15CS44T)
- 5 Data Structures Lab (15CS45P)
- 6 OOP with Java Lab (15CS46P)
- 7 Linux Lab (15CS47P)
- 8 Kannada kali-2 (15KA4NT)
- 9 Tantrika kannada -2 (15KA4KT)

**THIRD YEAR**

**FIFTH SEMISTER**

- 1 Software Engineering (15CS51T)
- 2 Web Programming (15CS52T)
- 3 Design & Analysis of Algorithms (15CS53T)
- 4 Green Computing (15CS54T)
- 5 Web Programming Lab (15CS55P)
- 6 Design & Analysis of Algorithms lab (15CS56P)
- 7 Professional Lab (15CS57P)
- 8 Project Lab (15CS58P)

**SIXTH SEMISTER**

- 1 Software Testing (15CS61T)
- 2 Network Security & Management (15CS62T)
- 3 Elective Subject (15CS63T)
- 4 Software Testing Lab (15CS64P)
- 5 Network Security Lab (15CS65P)
- 6 Soft skills for IT Professionals (15CS66P)
- 7 Project Work-II (15CS67P)

\*\*\*Elective Courses/Course Code