

**DEPARTMENT OF TECHNICAL EDUCATION
DIPLOMA MECHANICAL ENGINEERING (OBE)**

FIRST YEAR

FIRST SEMISTER

Communication Skills in English (15CP01E)
Engineering Mathematics-I (15SC01M)
Work Shop Technology (15ME11T)
Engineering Graphics-I (15ME12D)
Basic Computer Skills Lab (15ME13P)
Basic Workshop Practice –I (15ME14P)

SECOND SEMISTER

Engineering Mathematics – II (15SC02M)
Applied science (15SC03S)
Basic Electrical & Electronics Engineering (15EE01E)
Engineering Graphics-II (15ME21D)
Applied Science Lab (15SC04P)
Basic Electrical & Electronics Lab (15EE02P)

SECOND YEAR

THIRD SEMISTER

Strength of Materials (15ME31T)
Mechanics of machines (15ME32T)
Mechanical Measurements (15ME33T)
Machine Drawing (15ME34D)
Mechanical Computer Aided Drafting (15ME35P)
Basic Work Shop –II (15ME36P)
Mechanical Testing & Quality Control Lab (15ME37P)
Kannada kali-1 (15KA3NT)
Tantrika kannada-1 (15KA3KT)

FOURTH SEMISTER

Hydraulics & Pneumatics (15ME41T)
Basic Thermal Engineering (15ME42T)
Machine Tool Technology (15ME43T)
Professional Ethics & Indian Constitution (15ME44T)
Hydraulics & Pneumatics Lab (15ME45P)
Machine shop (15ME46P)
C Programming lab (15ME47P)
Kannada kali-2 (15KA4NT)
Tantrika kannada-2 (15KA4KT)

THIRD YEAR

FIFTH SEMISTER

Industrial Management (15ME51T)
Applied Thermal Engineering (15ME52T)
Machine Design (15ME53T)
Mechatronics (15ME54T)
Professional Practices (15ME55P)
Thermal Engineering Lab (15ME56P)
Mechatronics Lab (15ME57P)
Project work-I (15ME58P)

SIXTH SEMISTER

Estimation & Costing (15ME61T)
Computer Integrated Manufacturing (15ME62T)
Elective Course ***
CNC Lab (15ME64P)
Computer Aided Analysis and Simulation Lab (15ME65P)
Project Work-II (15ME66P)
In plant Training (15ME67P)

*****Elective Courses/Course Code**

- 1. Automobile Engineering-(15ME63A)**
- 3. Renewable Energy Resources-(15ME63C)**

- 2.Power Plant Engineering-(15ME63B)**
- 4.Refrigeration & Air conditioning-(15ME63F)**