

COURSE NAME: Bachelor of Mechanical Engineering

INTRODUCTION: Bachelor of Mechanical Engineering is for candidates who want to begin a career within the construction industry, specializing in general Mechanical engineering works across the local industry. They will wish to progress as a competent Mechanical engineer. Candidates are required to demonstrate the ability to perform the necessary practical skills and the knowledge required to complete the assessments.

CODE: BME

MNQF: Level 7

DURATION: 3 years

COURSE FEE: 73,200 MRF

Registration Fee: 500 MRF

YEAR I: 21,400 MRF

YEAR II: 24,000 MRF

YEAR III: 27,600 MRF

MODE: Face to Face

ENTRY CRITERIA: Successful Completion of Higher Secondary Education OR

MNQF level 4 qualification in the Mechanical field

INTAKE: January / July

MODULES:

SEMESTER I

- Engineering Mathematics 1
- Mechanical Principles - Statics
- Fluid Mechanics
- Electrical and Electronics
- Design and Communication

SEMESTER II

- Engineering Mathematics 2
- Mechanical Principles - Dynamics
- Thermodynamics
- Computer-Aided Engineering and Programming
- Project 1

SEMESTER III

- Engineering Mathematics 3
- Solid Mechanics
- Heat Transfer
- Materials Engineering and Processing
- Project Management

SEMESTER IV

- CAD/CAM
- Theory of Machines
- Electric Power System
- Engineering Economics and Entrepreneurship
- Project 2

SEMESTER V

ELECTIVE I

- Hydraulics and Pneumatics
- Internal Combustion Engines
- Finite Element Analysis
- Final Project 1

SEMESTER VI

ELECTIVE II

- Application of Fluid Mechanics
- Air Conditioning and Refrigeration
- Occupational Safety and Professional Conduct
- Final Project 2

ELECTIVE I

- Turbo Machinery
- Nanotechnology
- Data Structure and Algorithms
- Advanced Power Systems & Green Technology
- Construction Engineering

ELECTIVE II

- Vibration and Noise Control
- Artificial Intelligence
- Introduction to Machine Learning
- Waste Water Treatment and Reuse
- Design of Steel Structures