



Shri Vaishnav Vidyapeeth Vishwavidyalaya
Shri Vaishnav Institute of Technology and Science
Choice Based Credit System (CBCS) Scheme in the light of NEP-2020
B. Tech in Mechanical Engineering
SEMESTER - IV (2024 - 2028)

| Sr. No. | COURSE CODE | COURSE NAME | TEACHING SCHEME/WEEK | | | CREDITS | EXAMINATION SCHEME | | | | | TOTAL MARKS |
|---------|-------------|----------------------------------|----------------------|---|----|---------|-------------------------------|---------------------|----------------------------|-------------------------------|----------------------------|-------------|
| | | | L | T | P | | THEORY | | | PRACTICAL | | |
| | | | | | | | End Sem University Exam (60%) | Two Term Exam (20%) | Teachers Assessment* (20%) | End Sem University Exam (60%) | Teachers Assessment* (40%) | |
| 1 | BTME401 | FLUID MECHANICS | 3 | 0 | 2 | 4 | 60 | 20 | 20 | 30 | 20 | 150 |
| 2 | BTME402 | THEORY OF MACHINES | 3 | 1 | 2 | 5 | 60 | 20 | 20 | 30 | 20 | 150 |
| 3 | BTME403 | APPLIED THERMODYNAMICS | 3 | 1 | 2 | 5 | 60 | 20 | 20 | 30 | 20 | 150 |
| 4 | BTME404 | MACHINE DESIGN I | 3 | 0 | 2 | 4 | 60 | 20 | 20 | 30 | 20 | 150 |
| 5 | BTME405N | IC ENGINES AND ELECTRIC VEHICLES | 3 | 0 | 2 | 4 | 60 | 20 | 20 | 30 | 20 | 150 |
| 6 | BTME406N | CAD AND SOLID MODELLING LAB | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 50 | 50 |
| 7 | MOOC1 | MOOC I | – | – | – | 2 | – | – | – | – | 50 | 50 |
| TOTAL | | | 15 | 2 | 12 | 25 | 300 | 100 | 100 | 150 | 200 | 850 |

Legends: L - Lecture ; T - Tutorial/Teacher Guided Student Activity ; P - Practical ;

*Teacher Assessment shall be based on following components: Quiz/Assignment/Project/Participation in Class, given that no component shall exceed more than 10 marks.

Note: Students have to compulsorily opt MOOCs course of two credits from Swayam Portal.

Chairperson
Board of Studies
Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore

Chairperson
Faculty of Studies
Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore

Controller of Examinations
Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore

Registrar
Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore

Vice Chancellor
Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore