



Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

Think Excellence. Live Excellence.

Department of Mechanical Engineering

(Running Mechanical & Automobile Engineering Programs)

Choice Based Credit System (CBCS) Scheme

B Tech. in Mechanical Engineering

w.e.f. July 2018

Year- 4th

Semester- 7th

| S. No. | Subject Code | Name of Subject | Course Code | Teaching Scheme / week | | | Examination Scheme | | | | | Total Marks | Credits |
|--------|--------------|---|-------------|------------------------|---|----|-------------------------|---------------|---------------------|-------------------------|---------------------|-------------|---------|
| | | | | L | T | P | Theory | | | Practical | | | |
| | | | | | | | End Sem University Exam | Two Term Exam | Teacher Assessment* | End Sem University Exam | Teacher Assessment* | | |
| 1 | BTME701 | AUTOMOBILE ENGINEERING | DS | 3 | 1 | 2 | 60 | 20 | 20 | 30 | 20 | 150 | 5 |
| 2 | | ELECTIVE-II | DES | 3 | 0 | 0 | 60 | 20 | 20 | 0 | 0 | 100 | 3 |
| 3 | BTME703 | INDUSTRIAL AUTOMATION AND PRODUCTION SYSTEM | DCS | 3 | 0 | 2 | 60 | 20 | 20 | 30 | 20 | 150 | 4 |
| 4 | BTME704 | REFRIGERATION & AIR CONDITIONING | DCS | 3 | 0 | 2 | 60 | 20 | 20 | 30 | 20 | 150 | 4 |
| 5 | MBAI301C | HUMAN VALUES AND PROFESSIONAL ETHICS | DCS | 3 | 1 | 0 | 60 | 20 | 20 | 0 | 0 | 100 | 4 |
| 6 | BTME705 | MINOR PROJECT | DS | 0 | 0 | 6 | 0 | 0 | 0 | 50 | 50 | 100 | 3 |
| 7 | BTME706 | COMPUTATIONAL FLUID DYNAMICS LAB | DS | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 30 | 30 | 2 |
| 8 | BTME707 | MECHATRONICS LAB | DS | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 20 | 20 | 1 |
| TOTAL | | | | 15 | 2 | 18 | 300 | 100 | 100 | 140 | 160 | 800 | 26 |

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

| LIST OF ELECTIVE VIII SEMESTER (ELECTIVE II) | |
|--|----------------------------------|
| BTME712 | POWER PLANT ENGINEERING |
| BTME722 | RENEWABLE ENERGY |
| BTME732 | NANO TECHNOLOGY AND APPLICATIONS |
| BTME742 | SQC AND TOTAL QUALITY MANAGEMENT |

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Board of Studies

Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore

Joint Registrar

Shri Vaishnav Vidyapeeth Vishwavidyalaya
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