



**Shri Vaishnav Vidyapeeth Vishwavidyalaya**  
Master of Technology (Thermal and Design)  
Choice Based Credit System (CBCS)

**SEMESTER - II**

| S. 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      | MTME201     | Design of Thermal Systems          | 2                    | 1 | 0  | 3       | 60                            | 20                  | 20                         | 0                             | 0                          | 100         |
| 2      | MTME202     | Design of IC Engine and Components | 2                    | 0 | 2  | 3       | 60                            | 20                  | 20                         | 30                            | 20                         | 150         |
| 3      | MTME203     | Dynamics and Mechanism Design      | 2                    | 0 | 2  | 3       | 60                            | 20                  | 20                         | 30                            | 20                         | 150         |
| 4      |             | Elective-I                         | 2                    | 1 | 0  | 3       | 60                            | 20                  | 20                         | 0                             | 0                          | 100         |
| 5      |             | Elective-II                        | 2                    | 1 | 0  | 3       | 60                            | 20                  | 20                         | 0                             | 0                          | 100         |
| 6      | MTME206     | Material Behaviour and Vibration   | 0                    | 0 | 2  | 1       | 0                             | 0                   | 0                          | 30                            | 20                         | 50          |
| 7      | MTIE107     | Intellectual Property Rights       | 0                    | 0 | 4  | 2       | 0                             | 0                   | 0                          | 30                            | 20                         | 50          |
|        |             |                                    | 10                   | 3 | 10 | 18      | 300                           | 100                 | 100                        | 120                           | 80                         | 700         |

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

| List of Elective-I |         |                                       |
|--------------------|---------|---------------------------------------|
| 1                  | MTME214 | Incompressible and Compressible Flows |
| 2                  | MTME224 | Measurements in Thermal Engineering   |

| List of Elective-II |         |                                 |
|---------------------|---------|---------------------------------|
| 1                   | MTME215 | Advanced Heat and Mass Transfer |
| 2                   | MTME225 | Gas Turbines and Jet Propulsion |

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

*K. R. Chaudhary*  
**Chairperson**  
**Board of Studies**  
**Shri Vaishnav Vidyapeeth Vishwavidyalaya**  
**Indore**

*Anurag*  
**Registrar**  
**Shri Vaishnav Vidyapeeth Vishwavidyalaya**  
**INDORE (M.P.)**