



INSTITUTE OF TECHNOLOGY  
& MANAGEMENT  
GWALIOR • MP • INDIA  
"THINK BIG... THINK BEYOND"

## Department of Mechanical Engineering

2022-23

| CO Academic Year 2022-23 |  |             |        |               |
|--------------------------|--|-------------|--------|---------------|
| S.N.                     | Course Name                                  | Course Code | Target | CO Attainment |
| <b>First Year</b>        |  |             |        |               |
| 1.                       | Engineering Physics                          | BT 201      | 1.5    | 0.72          |
| 2.                       | Engineering Mathematics-I                    | BT 102      | 1.1    | 0.99          |
| 3.                       | Basic Mechanical Engineering                 | BT 203      | 2.1    | 1.1           |
| 4.                       | Basic Civil Engineering and Mechanics        | BT 204      | 1.6    | 0.57          |
| 5.                       | Basic Computer Engineering                   | BT 205      | 1.5    | 0.75          |
| 6.                       | Language Lab and Seminar                     | BT 206      | 2      | 2.91          |
| 7.                       | Engineering Chemistry                        | BT 101      | 1      | 0.65          |
| 8.                       | Engineering Mathematics-II                   | BT 202      | 0.52   | 0.64          |
| 9.                       | English for Communication                    | BT 103      | 1      | 0.925         |
| 10.                      | Basic Electrical and Electronics Engineering | BT 104      | 1.06   | 0.59          |
| 11.                      | Engineering Graphics                         | BT 105      | 1.6    | 1.01          |
| 12.                      | Manufacturing Practices                      | BT 106      | 2.91   | 1.94          |
| 13.                      | Swachh Bharat Summer Internship              | BT 108      | 1.5    | 2.52          |
| <b>Second Year</b>       |  |             |        |               |
| 14.                      | Engineering Mathematics-III                  | BT 301      | 1.5    | 1.20          |
| 15.                      | Engineering Thermodynamics                   | ME 302      | 1.2    | 0.94          |
| 16.                      | Materials Technology                         | ME 303      | 1.6    | 0.90          |
| 17.                      | Strength of Materials                        | ME 304      | 1.5    | 1.16          |
| 18.                      | Manufacturing Process                        | ME 305      | 2.1    | 0.83          |

  
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|                   |                                       |        |      |      |
|-------------------|---------------------------------------|--------|------|------|
| 19.               | Thermal Engineering Lab               | ME 306 | 1.9  | 2.84 |
| 20.               | Internship-I                          | BT 107 | 2    | 2.97 |
| 21.               | EEES                                  | ES 401 | 1.5  | 0.71 |
| 22.               | Instrumentation and Control           | ME 402 | 0.92 | 0.94 |
| 23.               | Theory of Machine                     | ME 403 | 1.5  | 0.86 |
| 24.               | Fluid Mechanics                       | ME 404 | 1.6  | 0.57 |
| 25.               | Manufacturing Technology              | ME 405 | 1.6  | 1.29 |
| 26.               | Software Lab                          | ME 406 | 2.92 | 2.94 |
| <b>Third Year</b> |                                       |        |      |      |
| 27.               | Internal Combustion Engine            | ME 501 | 1.65 | 1.9  |
| 28.               | Mechanical Vibration                  | ME 502 | 1.6  | 1.66 |
| 29.               | Dynamics of Machine                   | ME 503 | 1.65 | 0.72 |
| 30.               | Industrial Engineering and Ergonomics | ME 504 | 1.4  | 1.32 |
| 31.               | FEM/CFD Lab                           | ME 505 | 2.5  | 2.9  |
| 32.               | Python                                | ME 506 | 1.8  | 2.96 |
| 33.               | Internship-II                         | BT 407 | 2.25 | 2.97 |
| 34.               | Minor Project -I                      | ME 508 | 2.8  | 2.97 |
| 35.               | Thermal Engineering and Gas Dynamics  | ME 601 | 1.8  | 1.11 |
| 36.               | Machine Component and Design          | ME 602 | 0.9  | 1    |
| 37.               | Turbomachinery                        | ME 603 | 1.6  | 1.03 |
| 38.               | Renewable Energy Technology           | ME 604 | 1.4  | 1.27 |
| 39.               | CAD Lab                               | ME 605 | 1.6  | 2.95 |
| 40.               | RDBMS Lab                             | ME 606 | 1.9  | 1.44 |

  


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|                            |   |        |      |      |
|----------------------------|---|--------|------|------|
| 41.                        | Minor Project II                          | ME 608 | 2.91 | 2.98 |
| <b>4<sup>th</sup> Year</b> |   |        |      |      |
| 42.                        | Heat and Mass Transfer                    | ME 701 | 1.51 | 1.79 |
| 43.                        | Power Plant Engineering                   | ME 702 | 1.7  | 1.47 |
| 44.                        | Operation Research and Supply Chain       | ME 703 | 1.4  | 1.45 |
| 45.                        | Simulation lab                            | ME 704 | 1.7  | 3    |
| 46.                        | MATLAB and R Programming                  | ME 705 | 2.91 | 2.91 |
| 47.                        | Major Project I                           | ME 706 | 1.8  | 3    |
| 48.                        | Evaluation of Internship III              | ME 607 | 1.8  | 3    |
| 49.                        | Refrigeration and Air Conditioning        | ME 801 | 1.67 | 2.45 |
| 50.                        | Automobile Engineering                    | ME 802 | 1.51 | 2.54 |
| 51.                        | Energy conversion and Management<br>Audit | ME 803 | 1.6  | 2.04 |
| 52.                        | CAD/CAM Lab                               | ME 804 | 1.8  | 2.93 |
| 53.                        | Major Project II                          | ME 805 | 1.9  | 2.52 |

  


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