

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal
New Scheme of Examination as per AICTE Flexible Curricula
Bachelor of Technology (B.Tech.) Mechanical Engineering

VI Semester

(w.e.f. Jan, 2020)

| S.No. | Subject Code | Category | Subject Name | Maximum Marks Allotted | | | | | Total Marks | Contact Hours per week | | | Total Credits |
|-------|---------------------------------|--|--------------------------------------|---|----------------|------------------|------------|-----------------------------------|-------------|------------------------|----------|-----------|---------------|
| | | | | Theory | | | Practical | | | L | T | P | |
| | | | | End Sem. | Mid Sem. Exam. | Quiz/ Assignment | End Sem | Term work Lab Work & Sessional | | | | | |
| 1. | ME601 | DC | Thermal Engineering and Gas Dynamics | 70 | 20 | 10 | 30 | 20 | 150 | 2 | 1 | 2 | 4 |
| 2. | ME602 | DC | Machine Component Design | 70 | 20 | 10 | 30 | 20 | 150 | 2 | 1 | 2 | 4 |
| 3. | ME603 | DE | Departmental Elective | 70 | 20 | 10 | - | - | 100 | 4 | - | 0 | 4 |
| 4. | ME604 | OE | Open Elective | 70 | 20 | 10 | - | - | 100 | 4 | - | 0 | 4 |
| 5. | ME605 | D Lab | CAD Lab | - | - | - | 30 | 20 | 50 | - | - | 6 | 3 |
| 6. | ME606 | O/E Lab | RDBMS | - | - | - | 30 | 20 | 50 | - | - | 6 | 3 |
| 7. | ME607 | IN | Internship-III | To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester. | | | | | | | | | |
| 8. | ME608 | P | Minor Project II | - | - | - | - | 50 | 50 | - | - | 4 | 2 |
| 9. | Additional Credits [#] | [#] Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level. | | | | | | | | | | | |
| | | | Total | 280 | 80 | 40 | 120 | 130 | 650 | 12 | 2 | 20 | 24 |

| Departmental Electives | Open Electives |
|------------------------------------|------------------------------------|
| 603 (A) Turbo Machinery | 604(A) Robotics |
| 603 (B) Computer Aided Engineering | 604(B) Optimization Techniques |
| 603(C) Product Design | 604(C) Renewable Energy Technology |

Swayam on line course (any one of one sem duration)

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|--------------|---------------|----------------|
| 1 Hr Lecture | 1 Hr Tutorial | 2 Hr Practical |
| 1 Credit | 1 Credit | 1 Credit |