

# Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal

Scheme of Examination as per AICTE Flexible Curricula

**IV Semester**

**Bachelor of Technology (B.Tech.) [Mechanical Engineering]**

***For batches admitted in July, 2020 (w.e.f. Jan, 2022)***

| 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<br>Lab Work & Sessional |             |                        |   |    |               |
| 1.      | ES401        | BSC      | Energy & Environmental Engineering                                  | 70   | 20             | 10               | -         | -                                 | 100         | 3                      | 1 | -  | 4             |
| 2.      | ME402        | DC       | INSTRUMENTATION & CONTROL   | 70   | 20             | 10               | 30        | 20                                | 150         | 2                      | 1 | 2  | 4             |
| 3.      | ME403        | DC       | THEORY OF MACHINES  | 70   | 20             | 10               | 30        | 20                                | 150         | 3                      | 1 | 2  | 5             |
| 4.      | ME404        | DC       | FLUID MECHANICS   | 70   | 20             | 10               | 30        | 20                                | 150         | 3                      | 1 | 2  | 5             |
| 5.      | ME405        | DC       | MANUFACTURING TECHNOLOGY  | 70   | 20             | 10               | 30        | 20                                | 150         | 3                      | 0 | 2  | 4             |
| 6.      | ME406        | DLC*     | SOFTWARE LAB  | -  | -              | -                | 30        | 20                                | 50          | -                      | - | 4  | 2             |
| 7.      | BT407        | DLC      | 90 hrs Internship based on using various software's –Internship -II | To be completed anytime during fourth semester. Its evaluation/credit to be added in fifth semester. |                |                  |           |                                   |             |                        |   |    | 3             |
|         |              |          | Total   | 350  | 100            | 50               | 150       | 100                               | 750         | 14                     | 4 | 12 | 24            |
| 8.      | BT408        | MC       | Cyber Security  | Non-credit course  |                |                  |           |                                   |             |                        |   |    |               |
| 9.      | BT409I       | MC       | Indian Knowledge System   | Non-credit course  |                |                  |           |                                   |             |                        |   |    |               |
|         | NC001        |          | NSS/NCC   |  |                |                  |           |                                   |             |                        |   |    |               |

\*A minimum of 2hours per week should be allotted for the Virtual Lab along with the slot fixed for the conventional lab classes.

MST: Minimum of two mid semester tests to be conducted.

\*Students can earn additional credits from the University recognized MOOC courses.

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