

## Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

### Scheme of Examination as per AICTE Flexible Curricula

**VIII Semester**

**Bachelor of Technology (B.Tech.) [Robotics and Artificial Intelligence]**

**(w.e.f. Jan, 2026)**

| 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.    | RA801               | DC-1   | Intelligence Drone Computing | 70                     | 20             | 10               | 30        | 20          | 150                    | 2 | 1 | 2             | 4  |
| 2.    | RA802               | DE   | Departmental Elective        | 70                     | 20             | 10               | -         | -           | 100                    | 3 | 1 | -             | 4  |
| 3.    | RA803               | OE   | Open Elective                | 70                     | 20             | 10               | -         | -           | 100                    | 3 | - | -             | 3  |
| 4.    | RA804               | D/O/ELab   | Departmental Elective Lab    | -                      | -              | -                | 30        | 20          | 50                     | - | - | 6             | 3  |
| 5.    | RA805               | O/E Lab  | Major Project-II             | -                      | -              | -                | 70        | 30          | 100                    | - | - | 8             | 4  |
| 6.    | 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                        | 210                    | 60             | 30               | 130       | 70          | 500                    | 8 | 2 | 16            | 18 |

| Departmental Electives                          | Open Electives                                   |
|---|--|
| 802(A) Robotics in Healthcare                   | 803 (A) Augmented Reality and Virtual Reality    |
| 802 (B) AI in Autonomous Vehicles               | 803 (B) Blockchain Technology                    |
| 802 (C) Design and Analysis of Machine Elements | 803 (C) Managing Innovation and Entrepreneurship |