

**Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal**  
**New Scheme of Examination as per AICTE Flexible Curricula**  
**VIII Semester Bachelor of Technology (B.Tech.) Information Technology (w.e.f. Jan, 2021)**

| 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.    | IT-801                          | DC   | Information Security     | 70                     | 20             | 10               | 30        | 20                                | 150         | 2                      | 1 | 2  | 4             |
| 2.    | IT-802                          | DE   | Departmental Elective IV | 70                     | 20             | 10               | -         | -                                 | 100         | 3                      | 1 | -  | 4             |
| 3.    | IT-803                          | OE   | Open Elective IV         | 70                     | 20             | 10               | -         | -                                 | 100         | 3                      | - | -  | 3             |
| 4.    | IT-804                          | D/O/E Lab  | Machine Learning Lab     | -                      | --             | -                | 30        | 20                                | 50          | -                      | - | 6  | 3             |
| 5.    | IT-805                          | P  | Major Project-II         | -                      | -              | -                | 70        | 30                                | 100         | -                      | - | 8  | 4             |
| 6.    | Additional Credits <sup>#</sup> | #Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level. |                          |                        |                |                  |           |                                   |             |                        |   |    |               |
| 7.    |                                 |  | Total                    | 210                    | 60             | 30               | 130       | 70                                | 500         | 8                      | 2 | 16 | 18            |

| Departmental Electives              | Open Electives                    |
|-------------------------------------|-----------------------------------|
| 802(A) Machine Learning             | 803(A) Blockchain Technology      |
| 802 (B) Natural Language Processing | 803(B) Human Computer Interaction |
| 802 (C) Robotics                    | 803(C) 3D Printing and Design     |
| 802 (D) Quantum Computing           | 803 (D) Parallel Computing        |

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