

**Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal**  
**New Scheme of Examination as per AICTE Flexible Curricula**  
**Bachelor of Technology (B.Tech.) Electronics & Communication Engg. (w.e.f. July, 2019)**

**V Semester**

| 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.    | EC 501                          | DC   | Microprocessor & its Application | 70  | 20             | 10               | 30         | 20                             | 150         | 2                      | 1        | 2         | 4             |
| 2.    | EC 502                          | DC   | Digital Communication            | 70  | 20             | 10               | 30         | 20                             | 150         | 2                      | 1        | 2         | 4             |
| 3.    | EC 503                          | DE   | Departmental Elective            | 70  | 20             | 10               | -          | -                              | 100         | 4                      | -        | 0         | 4             |
| 4.    | EC 504                          | OE   | Open Elective                    | 70  | 20             | 10               | -          | -                              | 100         | 3                      | -        | 0         | 3             |
| 5.    | EC 505                          | D Lab  | CNTL Lab                         | -   | -              | -                | 30         | 20                             | 50          | -                      | -        | 4         | 2             |
| 6.    | EC 506                          | O/E Lab  | Matlab Programming               | -   | -              | -                | 30         | 20                             | 50          | -                      | -        | 4         | 2             |
| 7.    | BT-407                          | IN   | Evaluation of Internship-II      | -   | -              | -                | -          | 100                            | 100         | -                      | -        | 6         | 3             |
| 8.    |                                 | IN   | Internship-III                   | To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester. |                |                  |            |                                |             |                        |          |           |               |
| 9.    | EC 508                          | P  | Minor Project 1                  | -   | -              | -                | -          | 50                             | 50          | -                      | -        | 4         | 2             |
| 10.   | Additional Credits <sup>#</sup> | <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. |                                  |   |                |                  |            |                                |             |                        |          |           |               |
|       |                                 |  | <b>Total</b>                     | <b>280</b>  | <b>80</b>      | <b>40</b>        | <b>120</b> | <b>230</b>                     | <b>750</b>  | <b>11</b>              | <b>2</b> | <b>22</b> | <b>24</b>     |

| Departmental Electives             | Open Electives                             |
|------------------------------------|--|
| EC 503 (A) CNTI                    | EC 504 (A) EMT (Electro Magnetic (Theory)  |
| EC 503 (B) Mobile Communication    | EC 504 (B) Computer System Organisation    |
| EC 503 (C) Advanced Control system | EC 504 (C) Process Control Instrumentation |

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