

Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal

Scheme of Examination as per AICTE Flexible Curricula

IV Semester

Bachelor of Technology (B.Tech.) [Electronics & Instrumentation 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 | | | | | |
| | | | | | | | | Lab Work & Sessional | | | | | |
| 1. | BT401 | BSC | Mathematics- III | 70 | 20 | 10 | - | - | 100 | 3 | 1 | - | 4 |
| 2. | EI402 | DC | Analog Electronics | 70 | 20 | 10 | 30 | 20 | 150 | 2 | 1 | 2 | 4 |
| 3. | EI403 | DC | Sensors & Transducers | 70 | 20 | 10 | 30 | 20 | 150 | 3 | 1 | 2 | 5 |
| 4. | EI404 | DC | Digital Electronics | 70 | 20 | 10 | 30 | 20 | 150 | 3 | 1 | 2 | 5 |
| 5. | EI405 | DC | Data Structures | 70 | 20 | 10 | 30 | 20 | 150 | 3 | 0 | 2 | 4 |
| 6. | EI406 | DLC* | Computer Programming(Java) | - | - | - | 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.

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