**SAMRATASHOKTECHNOLOGICALINSTITUTEVIDISHA(M.P.)**
**(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV Bhopal)**

**Scheme of Examination (Semester-VII)**

**For Batch Admitted in session -2022-23**

**Bachelor of Technology (B.Tech.)– Electrical Engg.**

| Subject Code | Subject Category | Subject Name | Maximum Marks Allotted | | | | | | | | Contact Hrs. per week | | | Total Credits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Theory | | | | Practical | | | Total Marks | | | | |
| | | | ES | MS | Assignment | Quiz | ES | LW | Quiz | | L | T | P | |
| EE-701 | DC | Power system protection | 60 | 20 | 10 | 10 | 30 | 10 | 10 | 150 | 3 | 0 | 2 | 04 |
| EE-702 | DE-4 | Dept. Elective - 4 | 60 | 20 | 10 | 10 | -- | -- | -- | 100 | 3 | 0 | 0 | 03 |
| EE-703 | DE-5 | Dept. Elective - 5 | 60 | 20 | 10 | 10 | -- | -- | -- | 100 | 3 | 0 | 0 | 03 |
| EE-704 | DE-6 | Dept. Elective - 6 | 60 | 20 | 10 | 10 | -- | -- | -- | 100 | 3 | 0 | 0 | 03 |
| EE-705 | PROJ | Major Project Prelim | -- | -- | -- | -- | 50 | 50 | -- | 100 | 0 | 0 | 6 | 03 |
| EE-706 | ILC | Internship-III (Completed in Third Year) | -- | -- | -- | -- | -- | 100 | -- | 100 | 0 | 0 | 4 | 02 |
| **Total** | | | **240** | **80** | **40** | **40** | **100** | **150** | **--** | **650** | **12** | **0** | **12** | **18** |
| EE-707 | ILC | Extra curricular Activities | | | It is a one credit per year activity endorse in eight semester mark sheet | | | | | | | | | |
| MST : Minimum two mid semester tests to be conducted during Semester | | | | | | | | | | | | | | |

| | DE -4 EE – 702 | DE-5 EE- 703 | DE-6 EE – 704 |
|---|---|---|---|
| **A** | Advance Electric Drive & Traction | Soft Computing Techniques | Non Conventional Sources of Energy |
| **B** | Electric Vehicle | Intelligent Techniques | Energy audit & management |
| **C** | Advance Power Electronics | Nature inspired Techniques | Flexible AC transmission system |

**Minor Degree and Honour Degree:**
**Students can opt any number of subjects depending on the number of credits he/she wants to earn in a particular semester for Honours/Minor Degree. Total 20credits required for Honours/Minor Degree (From V to VIII Semester – Refer pool of attached subjects for Honours/Minor Degree)**