# SAMRAT ASHOK TECHNOLOGICAL INSTITUTE VIDISHA (M.P.)
## (A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV Bhopal)

**Scheme of Examination (Semester-VI) Bachelor of Technology (B. Tech.) – Electronics and Communication Engg.**
**for Batch Admitted in Session: 2023-24 and Onwards**

| Subject Code | Subject Category | Subject Name | Maximum Marks Allotted | | | | | | | | Contact Hrs. per week. | | | Total Credits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Theory | | | | Practical | | | Total Marks | L | T | P | |
| | | | ES | MS | Assignment | Quiz | ES | LW | Quiz | | | | | |
| EC-601 | DC | CMOS Circuit Design | 60 | 20 | 10 | 10 | 30 | 10 | 10 | 150 | 3 | 0 | 2 | 4 |
| EC-602 | DC | Data Communication and Computer Network | 60 | 20 | 10 | 10 | 30 | 10 | 10 | 150 | 3 | 0 | 2 | 4 |
| EC-603 | DE | DE-2 | 60 | 20 | 10 | 10 | 30 | 10 | 10 | 150 | 3 | 0 | 2 | 4 |
| EC-604 | DE | DE-3 | 60 | 20 | 10 | 10 | -- | -- | -- | 100 | 3 | 1 | 0 | 4 |
| OE-605 | OE | OE-2 | 60 | 20 | 10 | 10 | -- | -- | -- | 100 | 3 | 0 | 0 | 3 |
| EC-606 | DLC | Simulation Lab III | -- | -- | -- | -- | 60 | 20 | 20 | 100 | 0 | 0 | 4 | 2 |
| | | **TOTAL** | 300 | 100 | 50 | 50 | 150 | 50 | 50 | 750 | 15 | `1 | 10 | 21 |
| | ILC | Extracurricular Activities | It is a one credit per year activity to be endorsed in eight semester mark sheet. | | | | | | | | | | | |

**Internship-III (120 Hrs) External /Institute Level**

| | DE -2 | DE -3 | OE – 2 (Open elective offered for other Branches ) |
|---|---|---|---|
| A | Optical Communication | Cellular and Mobile Communication | Medical Imaging System |
| B | Information Theory and Coding | Nano Electronics and MEMS | Embedded System |
| C | Bio signal Processing | Adaptive Signal Processing | Control System |

**Abbreviations:** ES-End Semester, MS-Mid Semester, LW-Laboratory Work/Assignment. (L: Lecture, T: Tutorial, P: Practical) BSC-Basic Science Course, ESC- Engineering Science Course, HSMC- Humanities Science and Management Course, MAC- Mandatory, Audit Course, AC- Audit Course, HEC-Holistic Education Courses: NSS/NCC/NSO, ITC- Information Technology Course, ILC-Institute Level Course, DC- Department Course, DE-Department Elective, OC- Open Course, DLC- Department Laboratory, PROJ- Project Work, VA-Value Added Course

BoS (B.Tech. EC) | Department of Electronics Engineering | May 28, 2025