

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
(Deemed to be University)
(Declared Under Distinct Category by Ministry of Education, Government of India)
NAAC Accredited with A++ Grade

Scheme of Examination (For the Batch Admitted in the Year 2022-2023)

B.Tech. (Electronics and Telecommunication Engineering) V Semester [For batches admitted in Academic Session 2022-23 onwards]

| S. No. | Subject Code | Category Code | Subject Name | Maximum Marks Allotted | | | | | | | Total Marks | Contact Hours per week | | | Total Credits | Mode of Teaching (Offline/ Online) | Mode of Exam. |
|--|--------------|---|--|------------------------|---|--|--|----------------|----------------------|--------------------------|---|------------------------|---|----|---------------|------------------------------------|---------------|
| | | | | Theory Slot | | | | Practical Slot | | | | | | | | | |
| | | | | End Sem. | | Mid Sem. Exam. | Quiz/ Assignment | End Sem | Lab Work & Sessional | Skill Based Mini Project | | L | T | P | | | |
| | | | | End Term Evaluation | ^s Proficiency in subject /course | | | | | | | | | | | | |
| 1. | 2200511 | DC | Data Science | 50 | 10 | 20 | 20 | 60 | 20 | 20 | 200 | 3 | - | 2 | 4 | Blended | MCQ |
| 2. | 2200512 | DC | Mobile Communication & 5G Network | 50 | 10 | 20 | 20 | - | - | - | 100 | 2 | 1 | - | 3 | Blended | PP |
| 3. | 2200515 | DC | VLSI Design | 50 | 10 | 20 | 20 | 60 | 20 | 20 | 200 | 3 | - | 2 | 4 | Blended | PP |
| 4. | 2200519 | DC | Electromagnetic Theory | 50 | 10 | 20 | 20 | - | - | - | 100 | 2 | 1 | - | 3 | Blended | PP |
| 5. | 2200520 | DC | Digital Signal Processing | 50 | 10 | 20 | 20 | - | - | - | 100 | 2 | 1 | - | 3 | Blended | PP |
| 6. | 2200516 | DLC | Minor Project-I | - | - | - | - | 60 | 40 | - | 100 | - | - | 4 | 2 | Offline | SO |
| 7. | 2200517 | DLC | Self-learning/ Presentation* | - | - | - | - | - | 40 | - | 40 | - | - | 2 | 1 | Online +Mentoring | SO |
| 8. | | CLC | Novel Engaging Course | - | - | - | - | 50 | 0 | - | 50 | - | - | 2 | 1 | Interactive | SO |
| 9. | 2200518 | DLC | Soft Skill Internship (Institute Level Evaluation) | - | - | - | - | 60 | - | - | 60 | - | - | 4 | 2 | Offline | SO |
| Total | | | | 250 | 50 | 100 | 100 | 290 | 120 | 40 | 950 | 11 | 4 | 16 | 23 | | |
| Additional Courses for obtaining Honors/Minor Specialization by desirous students | | | | | | | Permitted to opt for <u>maximum two additional courses</u> for the award of Honors or Minor specialization | | | | | | | | | | |
| *compulsory registration for one online course using SWAYAM/NPTEL/ MOOC, evaluation through attendance, assignments and presentation | | | | | | | | | | | | | | | | | |
| 10. | 1000006 | MAC | Disaster Management | 50 | 10 | 20 | 20 | - | - | - | 100 | 2 | - | - | Grade | Blended | MCQ |
| Honors | | 1. Principles and Techniques of Modern Radar Systems 2. Stochastic Control & Communication | | | | 1. Digital VLSI Testing 2. Analog VLSI Design | | | | | 1. Nano-Technology, Science and Application 2. Microelectronics: Devices to Circuits | | | | | | |
| Minors | | Control System | | | | Fundamentals of Wireless Communication | | | | | | | | | | | |