



# MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(Deemed University)

(Declared Under Distinct Category by Ministry of Education, Government of India)

NAAC Accredited with A++ Grade

## Department of Electronics Engineering

Scheme of Evaluation

**B. Tech. I Semester (ET)** *(for batch admitted in academic session 2024-25)*



| S. No.  | Course Code           | Category Code | Course Name  | Maximum Marks Allotted |                     |                  |                  |                       |                  | Total Marks | Contact Hours per week |    |    | Total Credits | Mode of Learning | Mode of Major Evaluation. | Duration of Major Evaluation. |
|---|-----------------------|---------------|--|------------------------|---------------------|------------------|------------------|-----------------------|------------------|-------------|------------------------|----|----|---------------|------------------|---------------------------|-------------------------------|
|   |                       |               |  | Theory Block           |                     |                  |                  | Practical Block       |                  |             |                        |    |    |               |                  |                           |                               |
|   |                       |               |  | Continuous Evaluation  |                     |                  | Major Evaluation | Continuous Evaluation | Major Evaluation |             |                        |    |    |               |                  |                           |                               |
|   |                       |               |  | Minor Evaluation I     | Minor Evaluation II | Quiz/ Assignment |                  | Lab Work & Sessional  |                  |             |                        |    |    |               |                  |                           |                               |
| 1.  | 20241101              | DC            | Instrumentation & Sensors  | 20                     | 20                  | 30               | 30               | -                     | -                | 100         | 3                      | -  | -  | 3             | Face to Face     | MCQ                       | 2 Hrs                         |
| 2.  | 20241102              | ESC           | Computer Programming   | 20                     | 20                  | 30               | 30               | -                     | -                | 100         | 2                      | -  | -  | 2             | Face to Face     | MCQ                       | 2 Hrs                         |
| 3.  | 20241103              | DC            | Electronic Devices   | 20                     | 20                  | 30               | 30               | -                     | -                | 100         | 2                      | 1  | -  | 3             | Face to Face     | PP                        | 2 Hrs                         |
| 4.  | 20241104              | DC            | Network Theory   | 20                     | 20                  | 30               | 30               | -                     | -                | 100         | 2                      | 1  | -  | 3             | Face to Face     | PP                        | 2 Hrs                         |
| 5.  | 20241105              | ESC           | Basic Electrical & Electronics Engineering   | 20                     | 20                  | 30               | 30               | -                     | -                | 100         | 2                      | -  | -  | 2             | Face to Face     | MCQ                       | 2 Hrs                         |
| 6.  | 20241106              | DLC           | Computer Programming Lab   | -                      | -                   | -                | -                | 70                    | 30               | 100         | -                      | -  | 2  | 1             | Experimental     | AO                        | -                             |
| 7.  | 20241107              | DLC           | Electrical & Electronics Engineering Lab   | -                      | -                   | -                | -                | 70                    | 30               | 100         | -                      | -  | 2  | 1             | Experimental     | AO                        | -                             |
| 8.  | 20241108              | SP            | Semester Proficiency <sup>s</sup>  | -                      | -                   | -                | -                | 50                    | -                | 50          | -                      | -  | 2  | 1             | Face to Face     | SO                        | -                             |
| 9.  | 20241109              | PBL           | Micro Project-I  | -                      | -                   | -                | -                | 70                    | 30               | 100         | -                      | -  | 2  | 1             | Experiential     | SO                        | -                             |
| 10.   | 20241110              | ESC           | Engineering Physics Lab  | -                      | -                   | -                | -                | 70                    | 30               | 100         | -                      | -  | 2  | 1             | Experimental     | AO                        | -                             |
| 11.   | NECXXXXX              | NEC           | Novel Engaging Course (Activity Based Learning)  | -                      | -                   | -                | -                | 50                    | -                | 50          | -                      | 1  | -  | 1             | Interactive      | SO                        | -                             |
| Total   |                       |               |  | 100                    | 100                 | 150              | 150              | 380                   | 120              | 1000        | 11                     | 03 | 10 | 19            | -                | -                         | -                             |
| 12.   | 14241111/<br>20241111 | MAC           | Universal Human Values & Professional Ethics (UHVPE)   | 20                     | 20                  | 30               | 30               | -                     | -                | 100         | 2                      | -  | -  | GRADE         | Blended          | MCQ                       | 1.5 Hrs                       |
| 13.   | 20241112              | MWS           | Mandatory Workshop on Indian Constitution and Traditional Knowledge at Department Level (Duration: Two Days) |                        |                     |                  |                  |                       |                  |             |                        |    |    | GRADE         | Interactive      | MCQ                       | -                             |
| Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations. |                       |               |  |                        |                     |                  |                  |                       |                  |             |                        |    |    |               |                  |                           |                               |
| Skill Internship Program (Soft Skill): Minimum 45 hours duration: To be credited in II Semester.  |                       |               |  |                        |                     |                  |                  |                       |                  |             |                        |    |    |               |                  |                           |                               |

<sup>s</sup>Semester Proficiency— includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in the semester courses.

MCQ: Multiple Choice Question AO: Assignment + Oral PP: Pen Paper SO: Submission + OralOB: Open Book

<sup>#</sup> Micro Project-I will be presented and evaluated through an interdisciplinary project evaluation committee.

|                  |        |             |              |         |              |              |        |                     |    |       |        |        |           |               |     |
|------------------|--------|-------------|--------------|---------|--------------|--------------|--------|---------------------|----|-------|--------|--------|-----------|---------------|-----|
| HSMC             | BSC    | ESC         | DC           | DE      | SPC          | OC           | DLC    | NEC                 | SP | SIP   | SLP    | PDC    | PBL       | MAC           | MWS |
| 0                | 0      | 3           | 3            | 0       | 0            | 0            | 2      | 1                   | 1  | 0     | 0      | 0      | 1         | 1             | 1   |
| Mode of Learning |        |             |              |         |              |              |        | Mode of Examination |    |       |        |        |           | Total Credits |     |
| Theory           |        | NEC         |              | Lab     |              |              | Theory |                     |    | NEC   | Lab    |        |           |               |     |
| Face to Face     | Online | Interactive | Face to Face | Blended | Experiential | Experimental | PP     | MCQ                 | OB | SO    | AO     | SO     |           |               |     |
| 13               | 0      | 1           | 1            | 0       | 1            | 3            | 6      | 7                   | 0  | 1     | 3      | 3      | 39        |               |     |
| 68.42%           | 0%     | 5.26%       | 5.26%        | 0%      | 5.26%        | 15.78%       | 31.57% | 36.84 %             | 0% | 5.26% | 15.78% | 15.78% | Credits % |               |     |