

**I YEAR B.Tech. (4YDC)  
Common To All Branches**

2023

**Semester - A**

| S. No.       | Subject Category | Subject Code | Subject Name  | Hours per Week   |          |           | Credits   |          | Maximum Marks |            |            |            |            |
|--------------|------------------|--------------|---|--|----------|-----------|-----------|----------|---------------|------------|------------|------------|------------|
|              |                  |              |   | L  | T        | P         | Th        | Pr       | Theory        |            | Practical  |            | Total      |
|              |                  |              |   |  |          |           |           |          | Th.           | CW         | SW         | Pr.        |            |
| 1            | BSC              | MA 10001     | Mathematics - I                                       | 3  | 1        | 0         | 4         | 0        | 70            | 30         | 0          | 0          | 100        |
| 2            | BSC              | PH10017      | Physics   | 3  | -        | -         | 3         | -        | 70            | 30         | -          | -          | 100        |
| 3            | ESC              | EE10015      | Fundamentals of Electrical Engineering                | 2  | 1        | -         | 3         | 0        | 70            | 30         | 0          | 0          | 100        |
| 4            | ESC              | CE10013      | Fundamentals of Civil Engineering & Applied Mechanics | 2  | 1        | -         | 3         | 0        | 70            | 30         | 0          | 0          | 100        |
| 5            | ESC              | ME10049      | Engineering Graphics                                  | 2  | -        | -         | 2         | -        | 70            | 30         | -          | -          | 100        |
| 6            | BSC (LC)         | PH10151      | Applied Physics Lab                                   | -  | -        | 2         | -         | 1        | -             | -          | 20         | 30         | 50         |
| 7            | ESC (LC)         | EE10152      | Electrical Engineering Lab                            | -  | -        | 2         | -         | 1        | -             | -          | 20         | 30         | 50         |
| 8            | ESC (LC)         | ME10153      | Engineering Graphics Lab                              | -  | -        | 4         | -         | 2        | -             | -          | 40         | 60         | 100        |
| 9            | HSMC             | HU10191      | Extra /Co curricular Activity                         | -  | -        | 2         | -         | 1        | -             | -          | 50         | 0          | 50         |
| 10           | MC               |              | Induction program & Universal Human Values            | 2-3 weeks in the beginning of I Year & 1 hour per week during semester |          |           |           |          |               |            |            |            |            |
| <b>TOTAL</b> |                  |              |   | <b>12</b>  | <b>3</b> | <b>10</b> | <b>15</b> | <b>5</b> | <b>350</b>    | <b>150</b> | <b>130</b> | <b>120</b> | <b>750</b> |

**Semester - B**

| S. No.       | Subject Category | Subject Code | Subject Name                               | Hours per Week   |          |           | Credits   |          | Maximum Marks |            |            |            |            |
|--------------|------------------|--------------|--|--|----------|-----------|-----------|----------|---------------|------------|------------|------------|------------|
|              |                  |              |  | L  | T        | P         | Th        | Pr       | Theory        |            | Practical  |            | Total      |
|              |                  |              |  |  |          |           |           |          | Th.           | CW         | SW         | Pr.        |            |
| 1            | BSC              | MA 10501     | Mathematics – II                           | 3  | 1        | -         | 4         | -        | 70            | 30         | 0          | 0          | 100        |
| 2            | BSC              | CH10516      | Chemistry                                  | 3  | -        | -         | 3         | -        | 70            | 30         | -          | -          | 100        |
| 3            | HSMC             | HU10551      | Technical English                          | 2  | -        | -         | 2         | -        | 70            | 30         | 0          | 0          | 100        |
| 4            | ESC              | CO10507      | Programming for Problem Solving            | 2  | 1        | -         | 3         | -        | 70            | 30         | 0          | 0          | 100        |
| 5            | ESC              | EC10508      | Basic Electronics Engineering              | 2  | -        | -         | 2         | -        | 70            | 30         | 0          | 0          | 100        |
| 6            | BSC (LC)         | CH10656      | Chemistry Lab                              | -  | -        | 2         | -         | 1        | -             | -          | 20         | 30         | 50         |
| 7            | HSMC (LC)        | HU10653      | Language Lab                               | -  | -        | 2         | -         | 1        | -             | -          | 20         | 30         | 50         |
| 8            | ESC (LC)         | CO10654      | Computer Programming Lab                   | -  | -        | 2         | -         | 1        | -             | -          | 20         | 30         | 50         |
| 9            | ESC (LC)         | IP10655      | Manufacturing Practices                    | -  | -        | 4         | -         | 2        | -             | -          | 40         | 60         | 100        |
| 10           | HSMC             | HU10691      | Extra /Co curricular Activity              | -  | -        | 2         | -         | 1        | -             | -          | 50         | -          | 50         |
| 11           | MC               |              | Induction program & Universal Human Values | 2-3 weeks in the beginning of I Year & 1 hour per week during semester |          |           |           |          |               |            |            |            |            |
| <b>TOTAL</b> |                  |              |  | <b>12</b>  | <b>2</b> | <b>12</b> | <b>14</b> | <b>6</b> | <b>350</b>    | <b>150</b> | <b>150</b> | <b>150</b> | <b>800</b> |

Engineering Certificate shall be awarded after acquiring additional 10 credits out of which 6 credits as 2 Months industrial training within five years

*(Academic)*