

**Semester – III (B. Tech Mechanical Engineering-01)**

**Program Code- ET101**

| Subject Code | Subject Name                     | Credit    | Hours per week |           |           |           | Theory (Marks)        |                       | Practical (Marks)     |                       | Total      |
|--------------|----------------------------------|-----------|----------------|-----------|-----------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|------------|
|              |                                  |           | L              | T         | P         | Total     | University Assessment | Continuous Assessment | University Assessment | Continuous Assessment |            |
| 1ET1000301   | Advanced Engineering Mathematics | 5         | 3              | 2         | -         | 5         | 70                    | 30                    | -                     | -                     | 100        |
| 1ET1010301   | Engineering Thermodynamics       | 5         | 4              | -         | 2         | 5         | 70                    | 30                    | 30                    | 20                    | 150        |
| 1ET1010302   | Kinematics of Machines           | 5         | 4              | -         | 2         | 5         | 70                    | 30                    | 30                    | 20                    | 150        |
| 1ET1010303   | Material Science and Metallurgy  | 4         | 3              | -         | 2         | 5         | 70                    | 30                    | 30                    | 20                    | 150        |
| 1ET1010304   | Manufacturing Process-I          | 4         | 3              | -         | 2         | 5         | 70                    | 30                    | 30                    | 20                    | 150        |
| 1ET1020306   | Electrical Technology            | 3         | 2              | -         | 2         | 4         | 70                    | 30                    | 30                    | 20                    | 150        |
|              |                                  | <b>26</b> | <b>19</b>      | <b>02</b> | <b>10</b> | <b>29</b> | <b>420</b>            | <b>180</b>            | <b>150</b>            | <b>100</b>            | <b>850</b> |

**Semester – IV (B. Tech Mechanical Engineering-01)**

**Program Code- ET101**

| Subject Code | Subject Name                                  | Credit    | Hours per week |           |           |           | Theory (Marks)        |                       | Practical (Marks)     |                       | Total      |
|--------------|-----------------------------------------------|-----------|----------------|-----------|-----------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|------------|
|              |                                               |           | L              | T         | P         | Total     | University Assessment | Continuous Assessment | University Assessment | Continuous Assessment |            |
| 1ET1010401   | Complex Variables & Numerical Methods         | 5         | 3              | 2         | -         | 5         | 70                    | 30                    | -                     | -                     | 100        |
| 1ET1010402   | Fluid Mechanics                               | 5         | 4              | -         | 2         | 6         | 70                    | 30                    | 30                    | 20                    | 150        |
| 1ET1010403   | Machine Design & Industrial Drafting          | 5         | 4              | -         | 2         | 6         | 70                    | 30                    | 30                    | 20                    | 150        |
| 1ET1010404   | Mechanical Measurement & Metrology            | 4         | 3              | -         | 2         | 5         | 70                    | 30                    | 30                    | 20                    | 150        |
| 1ET1010405   | Manufacturing Process-II                      | 4         | 3              | -         | 2         | 5         | 70                    | 30                    | 30                    | 20                    | 150        |
| 1ET1010406   | Engineering Economics & Industrial Management | 3         | 3              | -         | -         | 3         | 70                    | 30                    | -                     | -                     | 100        |
|              |                                               | <b>26</b> | <b>20</b>      | <b>02</b> | <b>08</b> | <b>30</b> | <b>420</b>            | <b>180</b>            | <b>120</b>            | <b>80</b>             | <b>800</b> |