

**Tatyasaheb Kore Institute of Engineering and Technology, Warananagar**  
**Final Year B. Tech. (Mechanical Engineering)**

**Semester-III to VIII**  
**Multidisciplinary Minor (MDM) Courses**  
**(National Education Policy (NEP) 2020 Structure)**  
**Credit Scheme**  
**(To be implemented from 2024 - 27)**

**Multidisciplinary Minor (MDM) in Mechanical Engineering**

| Sr. No. | Sem. | Category | Course Code     | Name of Course                           | Teaching Scheme |          |          |           |           | Examination & Evaluation Scheme |            |                 |            |
|---------|------|----------|-----------------|--|-----------------|----------|----------|-----------|-----------|---------------------------------|------------|-----------------|------------|
|         |      |          |                 |  | L               | T        | P        | C         | CH        | Component                       | Marks      | Min for Passing |            |
| 1       | III  | MDM-1    | 23UGMDM1-ME307L | 3D CAD Modelling                         | 2               | --       | --       | 2         | 2         | ISA                             | 50         | 20              | 20         |
| 2       | IV   | MDM-2    | 23UGMDM2-ME406L | Materials and Applications               | 2               | --       | --       | 2         | 2         | ISA                             | 50         | 20              | 20         |
| 3       | V    | MDM-3    | 23UGMDM3-ME505  | Machining Processes with CNC             | 3               | --       | 2        | 4         | 5         | ESE                             | 60         | 24              | 40         |
|         |      |          |                 |  |                 |          |          |           |           | ISE                             | 40         | 16              |            |
| 4       | VI   | MDM-4    | 23UGMDM4-ME606L | GDT Techniques in Engineering            | 2               | --       | --       | 2         | 2         | ISA                             | 50         | 20              | 20         |
| 5       | VII  | MDM-5    | 23UGMDM5-ME706L | Additive Manufacturing (3D Printing)     | 2               | --       | --       | 2         | 2         | ISA                             | 50         | 20              | 20         |
| 6       | VIII | MDM-6    | 23UGMDM6-ME804L | Automation and Robotics in Manufacturing | 2               | --       | --       | 2         | 2         | ISA                             | 50         | 20              | 20         |
|         |      |          |                 |  | <b>13</b>       | <b>0</b> | <b>2</b> | <b>14</b> | <b>15</b> |                                 | <b>350</b> | <b>140</b>      | <b>140</b> |

