

# CURRICULUM

## Semester 1

| Sr. No | Course Code | Course Title                      | Internal Marks | External Marks | Total Marks | Credits   |
|--------|-------------|-----------------------------------|----------------|----------------|-------------|-----------|
| 1      | DME101      | Communication Skills-I            | 30             | 70             | 100         | 4         |
| 2      | DME102      | Applied Mathematics – I           | 20             | 50             | 70          | 4         |
| 3      | DME103      | Applied Physics – I               | 30             | 70             | 100         | 5         |
| 4      | DME104      | Applied Chemistry                 | 30             | 70             | 100         | 5         |
| 5      | DME105      | Engineering Drawing-I             | 40             | 60             | 100         | 2         |
| 6      | DME106      | Basics of Information Technology  | 30             | 70             | 100         | 2         |
| 7      | DME107      | General Workshop Practice – I     | 40             | 60             | 100         | 2         |
| 8      | **          | Student Centered Activities (SCA) | 30             | –              | 30          | 1         |
|        |             |                                   |                |                | <b>700</b>  | <b>25</b> |

## Semester 2

| Sr. No       | Course Code | Course Title                             | Internal Marks | External Marks | Total Marks | Credits   |
|--------------|-------------|------------------------------------------|----------------|----------------|-------------|-----------|
| 1            | DME201      | Applied Mathematics                      | 20             | 50             | 70          | 4         |
| 2            | DME202      | Computer Aided Drawing                   | 30             | 70             | 100         | 5         |
| 3            | DME203      | Applied Mechanics                        | 30             | 70             | 100         | 5         |
| 4            | DME204      | Basics of Mechanical and Electrical Engg | 30             | 70             | 100         | 5         |
| 5            | DME205      | Basics of Information Technology         | 40             | 60             | 100         | 2         |
| 6            | DME206      | General Workshop Practice –II            | 40             | 60             | 100         | 2         |
| 7            | **          | Student Centered Activities (SCA)        | 30             | –              | 30          | 1         |
| <b>Total</b> |             |                                          |                |                | <b>600</b>  | <b>24</b> |

### Semester 3

| Sr. No       | Course Code | Course Title                             | Internal Marks | External Marks | Total Marks | Credits   |
|--------------|-------------|------------------------------------------|----------------|----------------|-------------|-----------|
| 1            | DME301      | Applied Mathematics-III                  | 20             | 50             | 70          | 4         |
| 2            | DME302      | Engineering Materials                    | 30             | 70             | 100         | 4         |
| 3            | DME303      | Mechanics of Solids                      | 30             | 70             | 100         | 3         |
| 4            | DME304      | Thermal Engineering                      | 30             | 70             | 100         | 6         |
| 5            | DME305      | Computer Aided Drafting and 3D Modelling | 20             | 50             | 70          | 2         |
| 6            | DME306      | Workshop Technology                      | 30             | 70             | 100         | 5         |
| 7            | **          | Student Centered Activities (SCA)        | 30             | –              | 30          | 1         |
| <b>Total</b> |             |                                          |                |                | <b>570</b>  | <b>27</b> |

### Semester 4

| Sr. No       | Course Code | Course Title                            | Internal Marks | External Marks | Total Marks | Credits   |
|--------------|-------------|-----------------------------------------|----------------|----------------|-------------|-----------|
| 1            | DME401      | Communication Skill-II                  | 30             | 70             | 100         | 4         |
| 2            | DME402      | Refrigeration and Air Conditioning      | 30             | 70             | 100         | 6         |
| 3            | DME403      | Hydraulics and Pneumatics               | 30             | 70             | 100         | 6         |
| 4            | DME404      | Computer Aided Design and Manufacturing | 30             | 70             | 100         | 6         |
| 5            | DME405      | Environmental Studies                   | 30             | 70             | 100         | 3         |
| 6            | DME406      | Energy Conservation                     | 30             | 70             | 100         | 3         |
| 7            | DME407      | Universal Human Values                  | 20             | 30             | 50          | 1         |
| 8            | **          | Student Centered Activities (SCA)       | 30             | –              | 30          | 1         |
| <b>Total</b> |             |                                         |                |                | <b>680</b>  | <b>30</b> |

## Semester 5

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| Sr. No       | Course Code | Course Title                                           | Internal Marks | External Marks | Total Marks | Credits   |
|--------------|-------------|--------------------------------------------------------|----------------|----------------|-------------|-----------|
| 1            | DME501      | Industrial Training (4 Weeks)                          | –              | 50             | 50          | 2         |
| 2            | DME502      | Industrial Management and Entrepreneurship Development | 20             | 50             | 70          | 4         |
| 3            | DME503      | Theory of Machines                                     | 20             | 50             | 70          | 6         |
| 4            | DME504      | Machine Design                                         | 20             | 50             | 70          | 6         |
| 5            | DME505      | Production Technology                                  | 40             | 100            | 140         | 7         |
| 6            | DME506      | Production Management                                  | 30             | 70             | 100         | 4         |
| 7            | DME507      | Automobile Engineering                                 | 30             | 70             | 100         | 4         |
| 8            | **          | Student Centered Activities (SCA)                      | 30             | –              | 30          | 1         |
| <b>Total</b> |             |                                                        |                |                | <b>630</b>  | <b>34</b> |

## Semester 6

| Sr. No       | Course Code | Course Title                        | Internal Marks | External Marks | Total Marks | Credits   |
|--------------|-------------|-------------------------------------|----------------|----------------|-------------|-----------|
| 1            | DME601      | Industrial Engineering              | 30             | 70             | 100         | 6         |
| 2            | DME602      | Metrology and Measuring Instruments | 30             | 70             | 100         | 7         |
| 3            | DME603      | CNC Machines and Automation         | 30             | 70             | 100         | 5         |
| 4            | DME604      | Tool Engineering (Elective)         | 20             | 50             | 70          | 6         |
| 5            | DME605      | Project Work                        | 20             | 50             | 70          | 6         |
| 6            | **          | Student Centered Activities (SCA)   | 30             | –              | 30          | 1         |
| <b>Total</b> |             |                                     |                |                | <b>500</b>  | <b>29</b> |