

# **BACHELOR OF TECHNOLOGY (MECHANICAL ENGINEERING)**

## **SYLLABUS – SUBJECT CODE & COURSE NAME (8 SEMESTERS)**

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### **SEMESTER I**

| <b>SUBJECT CODE</b> | <b>COURSE NAME</b>           |
|---------------------|------------------------------|
| ME101               | ENGINEERING MATHEMATICS – I  |
| ME102               | ENGINEERING PHYSICS          |
| ME103               | BASIC ELECTRICAL ENGINEERING |
| ME104               | ENGINEERING GRAPHICS         |
| ME105               | WORKSHOP PRACTICE            |
| ME106               | PHYSICS LAB                  |

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### **SEMESTER II**

| <b>SUBJECT CODE</b> | <b>COURSE NAME</b>           |
|---------------------|------------------------------|
| ME201               | ENGINEERING MATHEMATICS – II |
| ME202               | ENGINEERING CHEMISTRY        |
| ME203               | BASIC ELECTRONICS            |
| ME204               | PROGRAMMING IN C             |
| ME205               | COMMUNICATION SKILLS         |
| ME206               | C LAB                        |

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### **SEMESTER III**

| <b>SUBJECT CODE</b> | <b>COURSE NAME</b>    |
|---------------------|-----------------------|
| ME301               | ENGINEERING MECHANICS |
| ME302               | THERMODYNAMICS        |
| ME303               | STRENGTH OF MATERIALS |
| ME304               | MACHINE DRAWING       |
| ME305               | MECHANICS LAB         |
| ME306               | MATERIAL TESTING LAB  |

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## SEMESTER IV

| SUBJECT CODE | COURSE NAME            |
|--------------|------------------------|
| ME401        | FLUID MECHANICS        |
| ME402        | THEORY OF MACHINES     |
| ME403        | MANUFACTURING PROCESS  |
| ME404        | INDUSTRIAL ENGINEERING |
| ME405        | FM LAB                 |
| ME406        | MANUFACTURING LAB      |

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## SEMESTER V

| SUBJECT CODE | COURSE NAME                   |
|--------------|-------------------------------|
| ME501        | MACHINE DESIGN                |
| ME502        | HEAT TRANSFER                 |
| ME503        | DYNAMICS OF MACHINES          |
| ME504        | METROLOGY AND QUALITY CONTROL |
| ME505        | DESIGN LAB                    |
| ME506        | HEAT TRANSFER LAB             |

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## SEMESTER VI

| SUBJECT CODE | COURSE NAME                        |
|--------------|------------------------------------|
| ME601        | POWER PLANT ENGINEERING            |
| ME602        | REFRIGERATION AND AIR CONDITIONING |
| ME603        | AUTOMOBILE ENGINEERING             |
| ME604        | CAD/CAM                            |
| ME605        | MINI PROJECT                       |
| ME606        | CAD LAB                            |

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## SEMESTER VII

| SUBJECT CODE | COURSE NAME                       |
|--------------|-----------------------------------|
| ME701        | ADVANCED MANUFACTURING TECHNOLOGY |
| ME702        | ROBOTICS                          |

| <b>SUBJECT CODE</b> | <b>COURSE NAME</b>  |
|---------------------|---------------------|
| ME703               | OPERATION RESEARCH  |
| ME704               | INDUSTRIAL TRAINING |
| ME705               | PROJECT – I         |

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## **SEMESTER VIII**

| <b>SUBJECT CODE</b> | <b>COURSE NAME</b>      |
|---------------------|-------------------------|
| ME801               | PROJECT – II            |
| ME802               | SEMINAR                 |
| ME803               | VIVA VOCE               |
| ME804               | COMPREHENSIVE PRACTICAL |