

Bachelor of Mechanical Engineering

Curriculum

5 Year BME (Evening) Course

First Year First Semester

| Day Code No | Subject | Periods/week | Credit Point | Marks | |
|---------------|---|--------------|--------------|-------|-----------|
| | | L-T-S | | Exam | Sessional |
| ME/MATH/T/211 | Mathematics –III | 3-0-0 | 3 | 100 | |
| ME/T/212 | Engineering Mechanics III | 4-0-0 | 4 | 100 | |
| ME/T/213 | Fluid Mechanics-II | 3-0-0 | 3 | 100 | |
| ME/T/216 | Machine Drawing I (Drawing board mode) | 0-0-0 | 2 | 100 | |
| ME/S/211 | Machine Drawing I (Drawing board mode) | 0-0-4 | 2 | | 100 |
| ME/EE/S/213 | Electrical Technology Lab.- II | 0-0-3 | 3 | | 100 |
| | Total | 10-0-7 | 17 | 400 | 200 |

First Year Second Semester

| Day Code No | Subject | Periods/week | Credit Point | Marks | |
|---------------|----------------------------------|--------------|--------------|-------|-----------|
| | | L-T-S | | Exam | Sessional |
| ME/MATH/T/221 | Mathematics-IV | 3-0-0 | 3 | 100 | |
| ME/T/222 | Fluid Machinery-I | 3-0-0 | 3 | 100 | |
| ME/T/223 | Engineering Mechanics IV | 3-0-0 | 3 | 100 | |
| ME/T/321 | Measurement & Instrumentation | 3-0-0 | 3 | 100 | |
| ME/S/222 | Fluid Mechanics Lab | 0-0-3 | 3 | | 100 |
| ME/S/224 | Applied Mechanics Lab. - I | 0-0-3 | 3 | | 100 |
| | Total | 12-0-06 | 18 | 400 | 200 |

Second Year First Semester

| Day Code No | Subject | Periods/week L-T-S | Credit Point | Marks | |
|-------------|----------------------------------|-----------------------|--------------|-------|-----------|
| | | | | Exam | Sessional |
| ME/T/214 | Heat Transfer | 3-0-0 | 3 | 100 | |
| ME/T/215 | Material Science and Engineering | 4-0-0 | 4 | 100 | |
| ME/T/311 | Fluid Machinery-II | 3-0-0 | 3 | 100 | |
| ME/S/212 | Workshop Practice III | 0-0-3 | 3 | | 100 |
| ME/S/313 | Applied Mechanics Lab.-II | 0-0-3 | 3 | | 100 |
| | Total | 10-0-06 | 16 | 300 | 200 |

Second Year Second Semester

| Day Code No | Subject | Periods/week L-T-S | Credit Point | Marks | |
|-------------|---|-----------------------|--------------|-------|-----------|
| | | | | Exam | Sessional |
| ME/T/224 | Kinematic Analysis and Synthesis | 4-0-0 | 3 | 100 | |
| ME/T/225 | Machine Design-I | 3-0-0 | 3 | 100 | |
| ME/T/226 | Manufacturing Processes | 4-0-0 | 3 | 100 | |
| ME/S/223 | Heat Power Lab.-I (Thermo. & Heat Transfer) | 0-0-3 | 3 | | 100 |
| ME/S/221 | Machine Drawing II (Comp terminal Mode) | 0-0-3 | 3 | | 100 |
| ME/S/324 | Fluid Machinery Lab. | 0-0-3 | 3 | | 100 |
| | Total | 11-0-9 | 18 | 300 | 300 |

Third Year First Semester

| Day Code No | Subject | Periods/week L-T-S | Credit Point | Marks Exam | Sessional |
|-------------|------------------------------------|-----------------------|--------------|------------|-----------|
| | | | | | |
| ME/T/312 | Dynamics of Machines | 4-0-0 | 4 | 100 | |
| ME/T/313 | Internal Combustion Engine | 3-0-0 | 3 | 100 | |
| ME/T/314 | Machine Design-II | 4-0-0 | 3 | 100 | |
| ME/T/315 | Machining Technology and Metrology | 4-0-0 | 4 | 100 | |
| ME/S/311 | Workshop Practice IVA | 0-0-3 | 3 | | 100 |
| | Total | 15-0-3 | 17 | 400 | 100 |

Third Year Second Semester

| Day Code No | Subject | Periods/week L-T-S | Credit Point | Marks Exam | Sessional |
|-------------|---|-----------------------|--------------|------------|-----------|
| | | | | | |
| ME/T/322 | Steam Power Plant | 4-0-0 | 3 | 100 | |
| | | | | | |
| ME/T/324 | Machine Design-III | 4-0-0 | 3 | 100 | |
| ME/T/326 | Elective I | 3-0-0 | 3 | 100 | |
| ME/S/321 | Workshop Practice IVB | 0-0-3 | 3 | | 100 |
| ME/S/323 | Machine Design Sessional (Comp terminal mode) | 0-0-3 | 3 | | 100 |
| | Total | 11-0-06 | 15 | 300 | 200 |

Fourth Year First Semester

| Day Code No | Subject | Periods/week L-T-S | Credit Point | Marks Exam | Sessional |
|-------------|------------------------------------|-----------------------|--------------|------------|-----------|
| ME/T/411 | Machine Design-IV | 4-0-0 | 3 | 100 | |
| ME/T/412 | Refrigeration and Air conditioning | 3-0-0 | 3 | 100 | |
| | | | | | |
| ME/T/414 | Elective - II | 3-0-0 | 3 | 100 | |
| ME/S/312 | Metrology and Metallography Lab. A | 0-0-3 | 3 | | 100 |
| | | | | | |
| | Total | 10-0-03 | 12 | 300 | 100 |

Fourth Year Second Semester

| Day Code No | Subject | Periods/week L-T-S | Credit Point | Marks Exam | Sessional |
|------------------|------------------------------------|-----------------------|--------------|------------|-----------|
| ME/HU M/T/421 | Humanities | 4-0-0 | 3 | 100 | |
| ME/ECO /T/422 | Engineering Economics and Costing | 3-0-0 | 3 | 100 | |
| ME/T/32 5 | Electrohydraulic Control Systems | 3-0-0 | 3 | 100 | |
| ME/T/32 3 | Industrial Management | 3-0-0 | 3 | 100 | |
| ME/S/32 2 | Metrology and Metallography Lab. B | 0-0-3 | 3 | | 100 |
| | Total | 13-0-03 | 15 | 400 | 100 |

Fifth Year First Semester

| Day Code No | Subject | Periods/week L-T-S | Credit Point | Marks | |
|-------------|---------------------------------|-----------------------|--------------|-------|-----------|
| | | | | Exam | Sessional |
| ME/T/413 | Metal Cutting and Machine Tools | 4-0-0 | 3 | 100 | |
| ME/S/411 | Workshop Practice VA | 0-0-4 | 3 | | 100 |
| ME/S/412 | Heat Power Lab.-II (Devices) | 0-0-3 | 3 | | 100 |
| ME/S/413 | Colloquium | 0-0-3 | 3 | | 100 |
| ME/S/414 | Project I | 0-0-3 | 3 | | 100 |
| | Total | 4-0-13 | 15 | 100 | 400 |

Fifth Year Second Semester

| Day Code No | Subject | Periods/week L-T-S | Credit Point | Marks | |
|-------------|---|-----------------------|--------------|-------|-----------|
| | | | | Exam | Sessional |
| ME/T/423 | Material Handling | 3-0-0 | 3 | 100 | |
| ME/T/424 | Elective III | 3-0-0 | 3 | 100 | |
| ME/T/425 | Comprehensive Viva Voce on Mechanical Engg. | 0-0-0 | 3 | 100 | |
| ME/S/421 | Workshop Practice VB | 0-0-4 | 3 | | 100 |
| ME/S/422 | Machine Elements Lab | 0-0-3 | 3 | | 100 |
| ME/S/423 | Project II | 0-0-3 | 3 | | 100 |
| | Total | 06-0-10 | 18 | 300 | 300 |