

| Maharashtra State Board Of Technical Education, Mumbai | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-------------------------------------|-------------|-------------|------------------------|--------------------------|----|----|---|-----------------------------|-----------------------|--------------------------------|-------------------|-------|-------|------------------|-------|------------|-----|------------------------|-------------|-----|-----|-----|
| Learning and Assessment Scheme for Post S.S.C Diploma Courses | | | | | | | | | | | | | | | | | | | | | | | | |
| Programme Name | | : Diploma In Mechanical Engineering | | | | | | | | | | | | | | | | | | | | | | |
| Programme Code | | : ME | | | | | | | | | | With Effect From Academic Year | | | | | | : 2023-24 | | | | | | |
| Duration Of Programme | | : 6 Semester | | | | | | | | | | Duration | | | | | | : 16 WEEKS | | | | | | |
| Semester | | : Fourth | | | | NCrF Entry Level : 3.5 | | | | | | Scheme | | | | | | : K | | | | | | |
| Sr No | Course Title | Abbreviation | Course Type | Course Code | Total IKS Hrs for Sem. | Learning Scheme | | | | | | Credits | Assessment Scheme | | | | | | | | | | | |
| | | | | | | Actual Contact Hrs./Week | | | Self Learning (Activity/ Assignment /Micro Project) | Notional Learning Hrs /Week | Paper Duration (hrs.) | | Theory | | | Based on LL & TL | | | | Based on Self Learning | Total Marks | | | |
| | | | | | | CL | TL | LL | | | | | | | | Practical | | | | | | | | |
| | | | | | | | | | | | | | FA-TH | SA-TH | Total | | FA-PR | SA-PR | SLA | | | | | |
| | | | | | | | | | | | | | | | Max | Min | | | Max | | | Min | Max | Min |
| | | | | | | | | | | | | | (All Compulsory) | | | | | | | | | | | |
| 1 | ENVIRONMENTAL EDUCATION AND SUSTAINABILITY | EES | VEC | 314301 | 2 | 3 | - | - | 1 | 4 | 2 | 1.5 | 30 | 70*# | 100 | 40 | - | - | - | - | 25 | 10 | 125 | |
| 2 | THEORY OF MACHINES | TOM | DSC | 313313 | - | 4 | - | 2 | - | 6 | 3 | 3 | 30 | 70 | 100 | 40 | 25 | 10 | - | - | - | - | 125 | |
| 3 | METROLOGY AND MEASUREMENT | MAM | DSC | 313316 | 1 | 4 | - | 2 | 2 | 8 | 4 | 3 | 30 | 70 | 100 | 40 | 25 | 10 | 25# | 10 | 25 | 10 | 175 | |
| 4 | MECHANICAL ENGINEERING MATERIALS | MEM | DSC | 313317 | 4 | 3 | - | 2 | 1 | 6 | 3 | 1.5 | 30 | 70*# | 100 | 40 | 25 | 10 | - | - | 25 | 10 | 150 | |
| 5 | PRODUCTION PROCESSES | PPR | DSC | 314340 | 2 | 4 | - | 2 | - | 6 | 3 | 3 | 30 | 70 | 100 | 40 | 25 | 10 | - | - | - | - | 125 | |
| 6 | ENTREPRENEURSHIP DEVELOPMENT AND STARTUPS | EDS | AEC | 314014 | - | 1 | - | 2 | 1 | 4 | 2 | - | - | - | - | - | 50 | 20 | 25@ | 10 | 25 | 10 | 100 | |
| 7 | BASICS OF MECHATRONICS | BOM | AEC | 314017 | - | - | - | 2 | - | 2 | 1 | - | - | - | - | - | 25 | 10 | 25@ | 10 | - | - | 50 | |
| 8 | CNC PROGRAMMING | CNC | SEC | 314018 | - | - | - | 4 | - | 4 | 2 | - | - | - | - | - | 25 | 10 | 25# | 10 | - | - | 50 | |
| Total | | | | | 9 | 19 | | 16 | 5 | | 20 | | 150 | 350 | 500 | | 200 | | 100 | | 100 | | 900 | |

| Sr No | Course Title | Abbreviation | Course Type | Course Code | Total IKS Hrs for Sem. | Learning Scheme | | | Credits | Assessment Scheme | | | | | | | | | | Total Marks |
|-------|--------------|--------------|-------------|-------------|------------------------|--------------------------|-----|-----|---------|---|-----------------------------|-----------------------|-----------|-------|-------|------------------|-------|------------------------|-----|-------------|
| | | | | | | Actual Contact Hrs./Week | | | | Self Learning (Activity/ Assignment /Micro Project) | Notional Learning Hrs /Week | Paper Duration (hrs.) | Theory | | | Based on LL & TL | | Based on Self Learning | | |
| | | | | | | CL | TL | LL | | | | | Practical | | | SLA | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | FA-TH | SA-TH | Total | FA-PR | SA-PR | Max | Min | |
| Max | Max | Max | Min | Max | Min | Max | Min | Max | Min | | | | | | | | | | | |

Abbreviations : CL- Classroom Learning , TL- Tutorial Learning, LL-Laboratory Learning, FA - Formative Assessment,SA -Summative Assessment, IKS - Indian Knowledge System, SLA - Self Learning Assessment

Legends : @ Internal Assessment, # External Assessment, *# On Line Examination , @\$ Internal Online Examination

Note :

- FA-TH represents average of two class tests of 30 marks each conducted during the semester.
- If candidate is not securing minimum passing marks in FA-PR of any course then the candidate shall be declared as "Detained" in that semester.
- If candidate is not securing minimum passing marks in SLA of any course then the candidate shall be declared as fail and will have to repeat and resubmit SLA work.
- Notional Learning hours for the semester are (CL+LL+TL+SL)hrs.* 15 Weeks
- 1 credit is equivalent to 30 Notional hrs.
- * Self learning hours shall not be reflected in the Time Table.
- * Self learning includes micro project / assignment / other activities.

Course Category : Discipline Specific Course Core (DSC) , Discipline Specific Elective (DSE) , Value Education Course (VEC) , Intern./Apprenti./Project./Community (INP) , AbilityEnhancement Course (AEC) , Skill Enhancement Course (SEC) , GenericElective (GE)