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# Maharashtra State Board Of Technical Education, Mumbai

## Learning and Assessment Scheme for Post S.S.C Diploma Courses

| Programme Name | : Diploma In Electronics & Computer Engg. | | |
|---|---|---|---|
| Programme Code | : TE | 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 | Abbrevation | Course Type | Course Code | Total IKS Hrs for Sem. | Actual Contact Hrs./Week | | | Self Learning (Activity/ Assignment /Micro Project) | Notional Learning Hrs /Week | Credits | Paper Duration (hrs.) | Theory | | | | Based on LL & TL | | | | Based on Self Learning | | Total Marks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | Practical | | | | | | | | |
| | | | | | | CL | TL | LL | | | | | FA-TH | SA-TH | Total | | FA-PR | | SA-PR | | SLA | | |
| | | | | | | | | | | | | | Max | Max | Max | Min | 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 | JAVA PROGRAMMING | JPR | AEC | 314317 | - | 4 | - | 4 | 2 | 10 | 5 | 3 | 30 | 70 | 100 | 40 | 25 | 10 | 50# | 20 | 25 | 10 | 200 |
| 3 | CONSUMER ELECTRONIC SYSTEMS | CEL | DSC | 314327 | - | 3 | - | 4 | 1 | 8 | 4 | 3 | 30 | 70 | 100 | 40 | 25 | 10 | 25@ | 10 | 25 | 10 | 175 |
| 4 | MICROCONTROLLER & APPLICATIONS | MAA | DSE | 314328 | - | 3 | - | 4 | 1 | 8 | 4 | 3 | 30 | 70 | 100 | 40 | 25 | 10 | 25# | 10 | 25 | 10 | 175 |
| 5 | ANALOG & DIGITAL COMMUNICATION | ADC | DSC | 314329 | 1 | 4 | - | 2 | - | 6 | 3 | 3 | 30 | 70 | 100 | 40 | 25 | 10 | 25@ | 10 | - | - | 150 |
| 6 | PYTHON PROGRAMMING AND DATA STRUCTURE | PPP | SEC | 314012 | - | 2 | - | 2 | - | 4 | 2 | - | - | - | - | - | 25 | 10 | 50@ | 20 | - | - | 75 |
| Total | | | | | 3 | 19 | | 16 | 5 | | 20 | | 150 | 350 | 500 | | 125 | | 175 | | 100 | | 900 |

**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 :**

1. FA-TH represents average of two class tests of 30 marks each conducted during the semester.

2. 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.

3. 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.

4. Notional Learning hours for the semester are (CL+LL+TL+SL)hrs.* 15 Weeks

5. 1 credit is equivalent to 30 Notional hrs.

6. * Self learning hours shall not be reflected in the Time Table.

7. * 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)