

Maharashtra State Board Of Technical Education, Mumbai

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

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|-----------------------|---|--------------------------------|------------|
| Programme Name | : Diploma In Artificial Intelligence / Artificial Intelligence and Machine Learning / Data Sciences | | |
| Programme Code | : AI / AN / DS | With Effect From Academic Year | : 2023-24 |
| Duration Of Programme | : 6 Semester | Duration | : 16 WEEKS |
| Semester | : Third | 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 | | | | |
| | | | | | | | | | | | | | | | | Practical | | | | | | | | | | |
| | | | | | | CL | TL | LL | | | | | FA-TH | SA-TH | Total | FA-PR | | SA-PR | | SLA | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | Max | Min | Max |
| (All Compulsory) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | DATABASE MANAGEMENT SYSTEM | DMS | DSC | 313302 | - | 3 | 1 | 4 | 2 | 10 | 5 | 3 | 30 | 70 | 100 | 40 | 50 | 20 | 25# | 10 | 25 | 10 | 200 | | | |
| 2 | DIGITAL TECHNIQUES | DTE | DSC | 313303 | - | 3 | - | 2 | 1 | 6 | 3 | 3 | 30 | 70 | 100 | 40 | 25 | 10 | 25# | 10 | 25 | 10 | 175 | | | |
| 3 | DATA STRUCTURE USING PYTHON | DSP | DSC | 313306 | - | 3 | - | 4 | 1 | 8 | 4 | 3 | 30 | 70 | 100 | 40 | 25 | 10 | 25@ | 10 | 25 | 10 | 175 | | | |
| 4 | STATISTICAL MODELLING FOR MACHINE LEARNING | SML | DSC | 313307 | - | 3 | 1 | 4 | 2 | 10 | 5 | 3 | 30 | 70 | 100 | 40 | 25 | 10 | 50@ | 20 | 25 | 10 | 200 | | | |
| 5 | ESSENCE OF INDIAN CONSTITUTION | EIC | VEC | 313002 | - | 1 | - | - | 1 | 2 | 1 | - | - | - | - | - | - | - | - | - | 50 | 20 | 50 | | | |
| 6 | DATA STORY TELLING AND VISUALIZATION | DST | DSC | 313004 | - | 2 | - | 2 | - | 4 | 2 | - | - | - | - | - | 25 | 10 | 25@ | 10 | - | - | 50 | | | |
| Total | | | | | | 15 | 2 | 16 | 7 | | 20 | | 120 | 280 | 400 | | 150 | | 150 | | 150 | | 850 | | | |

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) , Ability Enhancement Course (AEC) , Skill Enhancement Course (SEC) , Generic Elective (GE)