

| Maharashtra State Board Of Technical Education, Mumbai        |                                             |              |             |             |                        |                                                     |    |    |                                                     |                             |                       |                                |                   |       |       |                  |       |            |       |                        |             |     |     |     |     |     |  |  |  |
|---------------------------------------------------------------|---------------------------------------------|--------------|-------------|-------------|------------------------|-----------------------------------------------------|----|----|-----------------------------------------------------|-----------------------------|-----------------------|--------------------------------|-------------------|-------|-------|------------------|-------|------------|-------|------------------------|-------------|-----|-----|-----|-----|-----|--|--|--|
| Learning and Assessment Scheme for Post S.S.C Diploma Courses |                                             |              |             |             |                        |                                                     |    |    |                                                     |                             |                       |                                |                   |       |       |                  |       |            |       |                        |             |     |     |     |     |     |  |  |  |
| Programme Name                                                |                                             |              |             |             |                        | : Diploma In Electronics & Tele-communication Engg. |    |    |                                                     |                             |                       |                                |                   |       |       |                  |       |            |       |                        |             |     |     |     |     |     |  |  |  |
| Programme Code                                                |                                             |              |             |             |                        | : EJ                                                |    |    |                                                     |                             |                       | With Effect From Academic Year |                   |       |       |                  |       | 2023-24    |       |                        |             |     |     |     |     |     |  |  |  |
| Duration Of Programme                                         |                                             |              |             |             |                        | : 6 Semester                                        |    |    |                                                     |                             |                       | Duration                       |                   |       |       |                  |       | : 16 WEEKS |       |                        |             |     |     |     |     |     |  |  |  |
| Semester                                                      |                                             |              |             |             |                        | : Sixth                                             |    |    |                                                     |                             |                       | NCrF Entry Level : 4.0         |                   |       |       |                  |       | 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   | Max              | Max   | Min        | Max   |                        |             | Min | Max | Min | Max | Min |  |  |  |
| (All Compulsory)                                              |                                             |              |             |             |                        |                                                     |    |    |                                                     |                             |                       |                                |                   |       |       |                  |       |            |       |                        |             |     |     |     |     |     |  |  |  |
| 1                                                             | MANAGEMENT                                  | MAN          | AEC         | 315301      | 1                      | 3                                                   | -  | -  | 1                                                   | 4                           | 2                     | 1.5                            | 30                | 70*#  | 100   | 40               | -     | -          | -     | -                      | 25          | 10  | 125 |     |     |     |  |  |  |
| 2                                                             | EMERGING TRENDS IN ELECTRONICS              | ETE          | DSC         | 316337      | -                      | 3                                                   | -  | -  | 1                                                   | 4                           | 2                     | 1.5                            | 30                | 70*#  | 100   | 40               | -     | -          | -     | -                      | 25          | 10  | 125 |     |     |     |  |  |  |
| 3                                                             | OPTICAL NETWORK AND SATELLITE COMMUNICATION | ONS          | DSC         | 316332      | -                      | 4                                                   | -  | 4  | 2                                                   | 10                          | 5                     | 3                              | 30                | 70    | 100   | 40               | 25    | 10         | 25#   | 10                     | 25          | 10  | 175 |     |     |     |  |  |  |
| 4                                                             | COMPUTER NETWORK & DATA COMMUNICATION       | CND          | DSC         | 316338      | -                      | 4                                                   | -  | 4  | 2                                                   | 10                          | 5                     | 3                              | 30                | 70    | 100   | 40               | 25    | 10         | -     | -                      | 25          | 10  | 150 |     |     |     |  |  |  |
| 5                                                             | CAPSTONE PROJECT                            | CPE          | INP         | 316004      | -                      | -                                                   | -  | 2  | 2                                                   | 4                           | 2                     | -                              | -                 | -     | -     | 50               | 20    | 50#        | 20    | 50                     | 20          | 150 |     |     |     |     |  |  |  |
| other (Any - One )                                            |                                             |              |             |             |                        |                                                     |    |    |                                                     |                             |                       |                                |                   |       |       |                  |       |            |       |                        |             |     |     |     |     |     |  |  |  |
| 6                                                             | AUTOMATION & PLC                            | ATP          | DSE         | 316334      | -                      | 4                                                   | -  | 2  | 2                                                   | 8                           | 4                     | 3                              | 30                | 70    | 100   | 40               | 25    | 10         | 25#   | 10                     | 25          | 10  | 175 |     |     |     |  |  |  |
|                                                               | DRONE TECHNOLOGY                            | DRT          | DSE         | 316335      | 2                      | 4                                                   | -  | 2  | 2                                                   | 8                           | 4                     | 3                              | 30                | 70    | 100   | 40               | 25    | 10         | 25#   | 10                     | 25          | 10  | 175 |     |     |     |  |  |  |
|                                                               | VLSI APPLICATIONS                           | VLS          | DSE         | 316340      | -                      | 4                                                   | -  | 2  | 2                                                   | 8                           | 4                     | 3                              | 30                | 70    | 100   | 40               | 25    | 10         | 25#   | 10                     | 25          | 10  | 175 |     |     |     |  |  |  |
|                                                               | SOLAR TECHNOLOGY AND MAINTENANCE            | SOL          | DSE         | 316374      | -                      | 4                                                   | -  | 2  | 2                                                   | 8                           | 4                     | 3                              | 30                | 70    | 100   | 40               | 25    | 10         | 25#   | 10                     | 25          | 10  | 175 |     |     |     |  |  |  |
| Total                                                         |                                             |              |             |             | 3                      | 18                                                  |    | 12 | 10                                                  |                             | 20                    |                                | 150               | 350   | 500   |                  | 125   |            | 100   |                        | 175         |     | 900 |     |     |     |  |  |  |

| Sr<br>No                                                                                                                                                                                                                                                                  | Course Title | Abbreviation | Course<br>Type | Course<br>Code | Total<br>IKS Hrs<br>for Sem. | Learning Scheme                |    |    |                                                              | Credits | Assessment Scheme                 |                             |        |       |       |                  |       |     |       |                              |     |     | Total<br>Marks |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|----------------|----------------|------------------------------|--------------------------------|----|----|--------------------------------------------------------------|---------|-----------------------------------|-----------------------------|--------|-------|-------|------------------|-------|-----|-------|------------------------------|-----|-----|----------------|
|                                                                                                                                                                                                                                                                           |              |              |                |                |                              | Actual<br>Contact<br>Hrs./Week |    |    | Self Learning<br>(Activity/<br>Assignment /Micro<br>Project) |         | Notional<br>Learning Hrs<br>/Week | Paper<br>Duration<br>(hrs.) | Theory |       |       | Based on LL & TL |       |     |       | Based on<br>Self<br>Learning |     |     |                |
|                                                                                                                                                                                                                                                                           |              |              |                |                |                              | Practical                      |    |    |                                                              |         |                                   |                             |        |       |       |                  |       |     |       |                              |     |     |                |
|                                                                                                                                                                                                                                                                           |              |              |                |                |                              | CL                             | TL | LL |                                                              |         |                                   |                             | FA-TH  | SA-TH | Total |                  | FA-PR |     | SA-PR |                              | SLA |     |                |
|                                                                                                                                                                                                                                                                           |              |              |                |                |                              |                                |    |    |                                                              |         |                                   |                             |        |       |       |                  | Max   | Min | Max   | Min                          | Max | Min |                |
|                                                                                                                                                                                                                                                                           |              |              |                |                |                              |                                |    |    |                                                              |         |                                   |                             |        |       |       |                  |       |     |       |                              |     |     |                |
| <b>Abbreviations :</b> CL- Classroom Learning , TL- Tutorial Learning, LL-Laboratory Learning, FA - Formative Assessment,SA -Summative Assessment, IKS - Indian Knowledge System, SLA - Self Learning Assessment                                                          |              |              |                |                |                              |                                |    |    |                                                              |         |                                   |                             |        |       |       |                  |       |     |       |                              |     |     |                |
| <b>Legends :</b> @ Internal Assessment, # External Assessment, *# On Line Examination , @\$ Internal Online Examination                                                                                                                                                   |              |              |                |                |                              |                                |    |    |                                                              |         |                                   |                             |        |       |       |                  |       |     |       |                              |     |     |                |
| <b>Note :</b>                                                                                                                                                                                                                                                             |              |              |                |                |                              |                                |    |    |                                                              |         |                                   |                             |        |       |       |                  |       |     |       |                              |     |     |                |
| 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.                                                                                                                                                                                                |              |              |                |                |                              |                                |    |    |                                                              |         |                                   |                             |        |       |       |                  |       |     |       |                              |     |     |                |
| <b>Course Category :</b> 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) |              |              |                |                |                              |                                |    |    |                                                              |         |                                   |                             |        |       |       |                  |       |     |       |                              |     |     |                |