

| Maharashtra State Board Of Technical Education, Mumbai        |                                       |              |             |             |                        |                                |    |    |                                                     |                             |                       |         |                   |       |       |                                |       |     |     |                        |             |     |     |     |     |     |     |  |
|---------------------------------------------------------------|---------------------------------------|--------------|-------------|-------------|------------------------|--------------------------------|----|----|-----------------------------------------------------|-----------------------------|-----------------------|---------|-------------------|-------|-------|--------------------------------|-------|-----|-----|------------------------|-------------|-----|-----|-----|-----|-----|-----|--|
| Learning and Assessment Scheme for Post S.S.C Diploma Courses |                                       |              |             |             |                        |                                |    |    |                                                     |                             |                       |         |                   |       |       |                                |       |     |     |                        |             |     |     |     |     |     |     |  |
| Programme Name                                                |                                       |              |             |             |                        | : Diploma In Civil Engineering |    |    |                                                     |                             |                       |         |                   |       |       |                                |       |     |     |                        |             |     |     |     |     |     |     |  |
| Programme Code                                                |                                       |              |             |             |                        | : CE                           |    |    |                                                     |                             |                       |         |                   |       |       | 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 |  |
| (All Compulsory)                                              |                                       |              |             |             |                        |                                |    |    |                                                     |                             |                       |         |                   |       |       |                                |       |     |     |                        |             |     |     |     |     |     |     |  |
| 1                                                             | MANAGEMENT                            | MAN          | AEC         | 315301      | 1                      | 3                              | -  | -  | 1                                                   | 4                           | 2                     | 1.5     | 30                | 70*#  | 100   | 40                             | -     | -   | -   | -                      | 25          | 10  | 125 |     |     |     |     |  |
| 2                                                             | CONTRACTS AND BILLING                 | CAB          | DSC         | 316307      | 1                      | 4                              | -  | 2  | 2                                                   | 8                           | 4                     | 3       | 30                | 70    | 100   | 40                             | 25    | 10  | -   | -                      | 25          | 10  | 150 |     |     |     |     |  |
| 3                                                             | DESIGN OF RCC AND STEEL STRUCTURES    | DRS          | DSC         | 316308      | 1                      | 4                              | 2  | 4  | 2                                                   | 12                          | 6                     | 4       | 30                | 70    | 100   | 40                             | 25    | 10  | 25# | 10                     | 25          | 10  | 175 |     |     |     |     |  |
| 4                                                             | MAINTENANCE AND REPAIRS OF STRUCTURES | MRS          | DSC         | 316309      | 2                      | 4                              | -  | 2  | -                                                   | 6                           | 3                     | 3       | 30                | 70    | 100   | 40                             | 25    | 10  | -   | -                      | -           | -   | 125 |     |     |     |     |  |
| 5                                                             | CAPSTONE PROJECT                      | CPE          | INP         | 316004      | -                      | -                              | -  | 2  | 2                                                   | 4                           | 2                     | -       | -                 | -     | -     | -                              | 50    | 20  | 50# | 20                     | 50          | 20  | 150 |     |     |     |     |  |
| ELECTIVE COURSE- II (Any - One )                              |                                       |              |             |             |                        |                                |    |    |                                                     |                             |                       |         |                   |       |       |                                |       |     |     |                        |             |     |     |     |     |     |     |  |
| 6                                                             | BUILDING SERVICES                     | BSE          | DSE         | 316310      | 2                      | 3                              | -  | 2  | 1                                                   | 6                           | 3                     | 3       | 30                | 70    | 100   | 40                             | 25    | 10  | 25# | 10                     | 25          | 10  | 175 |     |     |     |     |  |
|                                                               | EARTHQUAKE RESISTANT BUILDING         | ERB          | DSE         | 316311      | -                      | 3                              | -  | 2  | 1                                                   | 6                           | 3                     | 3       | 30                | 70    | 100   | 40                             | 25    | 10  | 25# | 10                     | 25          | 10  | 175 |     |     |     |     |  |
|                                                               | SOLID WASTE MANAGEMENT                | SWM          | DSE         | 316312      | 2                      | 3                              | -  | 2  | 1                                                   | 6                           | 3                     | 3       | 30                | 70    | 100   | 40                             | 25    | 10  | 25# | 10                     | 25          | 10  | 175 |     |     |     |     |  |
| Total                                                         |                                       |              |             |             | 7                      | 18                             | 2  | 12 | 8                                                   |                             | 20                    |         | 150               | 350   | 500   |                                | 150   |     | 100 |                        | 150         |     | 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 |     |  |             |
|       |              |              |             |             |                        | Practical                |     |     |                                                     |         |                             |                       |        |       |       |                  |       |  |       |                        |     |  |             |
|       |              |              |             |             |                        | CL                       | TL  | LL  |                                                     |         |                             |                       | FA-TH  | SA-TH | Total |                  | FA-PR |  | SA-PR |                        | SLA |  |             |
|       |              |              |             |             |                        |                          |     |     |                                                     |         |                             |                       |        |       |       |                  |       |  |       |                        |     |  |             |
| Max   | Min          | 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)