

| <b>R11</b>         |                                                                                |                |
|--------------------|--------------------------------------------------------------------------------|----------------|
| <b>E1S1</b>        |                                                                                |                |
| <b>Course Code</b> | <b>Name of the Course</b>                                                      | <b>Credits</b> |
| MA1101             | Mathematics I                                                                  | 4              |
| PH1101, CY1101     | Physics (Chemistry)                                                            | 4              |
| HS1101, ME1101     | English for Communication (Mechanics)                                          | 3              |
| EE1101, CS1101     | Electrical Technology (Programming and Data Structures)                        | 4              |
| ME1102, CE1101     | Introduction to Manufacturing process & WSP (Engineering Drawing and Graphics) | 3              |
| PH1701, CY1701     | Physics Lab (Chemistry Lab)                                                    | 2              |
|                    |                                                                                |                |
| EE1701, CS1701     | Electrical Technology Lab (Programming and Data Structures Lab)                | 2              |
|                    | <b>Total Credits</b>                                                           | <b>22</b>      |
| <b>E1S2</b>        |                                                                                |                |
| <b>Course Code</b> | <b>Name of the Course</b>                                                      | <b>Credits</b> |
| MA1202             | Mathematics II                                                                 | 4              |
| PH1201, CY1201     | Physics (Chemistry)                                                            | 4              |
| ME1201, HS1201     | Engineering Mechanics (English)                                                | 3              |
| CS1201, EE1201     | Programming & Data Structures (Electrical Technology)                          | 4              |
| CE1201, ME1202     | Engineering Drawing and Graphics (Introduction to Manufacturing process & WSP) | 3              |
| PH1801, CY1801     | Physics Lab (Chemistry Lab)                                                    | 2              |
| CS1801, EE1801     | Programming & Data Structures Lab (Electrical Technology Lab)                  | 2              |

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|                    |                                                   |                |
|                    | <b>Total Credits</b>                              | <b>22</b>      |
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| <b>E2S1</b>        |                                                   |                |
| <b>Course Code</b> | <b>Name of the Course</b>                         | <b>Credits</b> |
| CE2101             | Surveying                                         | 4              |
| CE2102             | Construction materials and introduction to design | 4              |
| CE2103             | Mechanics of solids                               | 4              |
| CE2104             | Geo sciences                                      | 4              |
| MA2103             | Mathematics - 3                                   | 4              |
| CE2701             | Surveying Lab                                     | 2              |
|                    |                                                   |                |
| CE2702             | Mechanics of solids Lab                           | 2              |
|                    | <b>Total Credits</b>                              | <b>24</b>      |
| <b>E2S2</b>        |                                                   |                |
| <b>Course Code</b> | <b>Name of the Course</b>                         | <b>Credits</b> |
| CE2201             | Mechanics of fluids                               | 4              |
| CE2202             | Water resources engineering                       | 4              |
| CE2203             | structural analysis                               | 4              |
| EC2201             | Introduction to electronics                       | 4              |
| CS2201             | Design of algorithms                              | 4              |
| CE2801             | Mechanics of fluids Lab                           | 2              |
| EC2801             | Introduction to electronics Lab                   | 2              |
|                    | <b>Total Credits</b>                              | <b>24</b>      |
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| <b>E3S1</b>          |                                    |                |
|                      |                                    |                |
| <b>Course Code</b>   | <b>Name of the Course</b>          | <b>Credits</b> |
| CE3104               | Design of concrete structures      | 4              |
| CE3101               | Transportation engineering         | 4              |
|                      | Structural analysis - 2            | 4              |
| CE3102               | Soil mechanics                     | 4              |
| CE3103               | Hydraulic engineering              | 4              |
|                      | Concrete technology Lab            | 2              |
| CE3701               | Transportation engineering - I Lab | 2              |
|                      |                                    |                |
|                      |                                    |                |
|                      |                                    |                |
|                      | <b>Total Credits</b>               | <b>24</b>      |
| <b>E3S2</b>          |                                    |                |
| <b>Course Code</b>   | <b>Name of the Course</b>          | <b>Credits</b> |
| CE2205               | Water Resources Engineering – II   | 4              |
| CE3202               | Building Science                   | 4              |
| CE3201               | Environmental Engineering – I & II | 4              |
| CE3204               | Foundation Engineering             | 4              |
| CE3203               | Design Of Steel Structures         | 4              |
| CE3801               | Environmental Engineering Lab      | 2              |
| CE3702               | Soil Mechanics lab                 | 2              |
|                      | <b>Total Credits</b>               | <b>24</b>      |
| <b>E3 Summer Sem</b> |                                    |                |
| <b>Course Code</b>   | <b>Name of the Course</b>          | <b>Credits</b> |
| CH3301               | Summer internship                  | 8              |
|                      | <b>Total Credits</b>               | <b>8</b>       |

| <b>E4S1</b>        |                                          |                |
|--------------------|------------------------------------------|----------------|
| <b>Course Code</b> | <b>Name of the Course</b>                | <b>Credits</b> |
| CE3205             | Construction Planning and Scheduling     | 4              |
| CE3207             | Estimation And Costing                   | 4              |
| HS3201             | Environmental Science                    | 4              |
| CE4700             | Project – I                              | 8              |
|                    | Civil Engineering Drawing Lab            | 2              |
| CE3704             | Construction Planning and Scheduling lab | 2              |
|                    | <b>Total Credits</b>                     | <b>24</b>      |
| <b>E4S2</b>        |                                          |                |
| <b>Course Code</b> | <b>Name of the Course</b>                | <b>Credits</b> |
| CE4800             | Project – II                             | 8              |
|                    | Elective – I                             | 4              |
|                    | Elective – II                            | 4              |
|                    | Free Elective                            | 4              |
|                    | Comprehensive viva voice                 | 2              |
|                    | <b>Total Credits</b>                     | <b>22</b>      |

**Grand Total Credits      194**