**Syllabus to be implemented from the Academic Year 2014-15**

**M.Tech. (Construction Planning And Management)**

**First Year First Semester**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sr. No: | Paper Code | Paper Name | ClassHours | | | Credit |
| **Theory** | L | T | P | Cr.Pt. |
| 1 | MCE101 | **New Construction Materials [Compulsory]** | 3 | 1 | 0 | 4 |
| 2 | MCE102 | **Management And Project Planning In Construction [Compulsory]** | 4 | 0 | 0 | 4 |
| 3 | MCE103 | **Construction Technology [Compulsory]** | 4 | 0 | 0 | 4 |
| 4 | MCE104 | **Disaster Management [Compulsory]** | 4 | 0 | 0 | 4 |
| 5 | MCE105 | **Project Risk Analysis And Mitigation Techniques [Compulsory]** | 4 | 0 | 0 | 4 |
|  |  | **Total** | 19 | 1 | 0 | **20** |
|  | | **Practical** |  | | | |
| 6 | MCE191 | **Concrete Technology Lab Practice [Compulsory]** | 0 | 0 | 3 | 2 |
| 7 | MCE181 | Seminar – Based on literature survey | 0 | 0 | 3 | 1 |
|  |  | **Total** | 0 | 0 | 6 | **3** |

**First Year Second Semester**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sr. No: | Paper Code | Paper Name | ClassHours | | | Credit |
|  |  | **Theory** | L | T | P |  |
| 1 | MCE201 | **Construction Planning And Management[Compulsory]** | 4 | 0 | 0 | 4 |
| 2 | MCE202 | **Project Economics and Financial Management[Compulsory]** | 4 | 0 | 0 | 4 |
| 3 | MCE203 | **Advanced Foundation Engineering [Compulsory]** | 4 | 0 | 0 | 4 |
| 4 | MCE204 | **Advanced Construction Technology [Compulsory]** | 4 | 0 | 0 | 4 |
| 5 | MCE205 | **Elective–I**  **A)Basic Structural Engineering**  **B) High Strength Concrete MIX DESIGN**  **C) Advanced Highway And Transportation** | 4 | 0 | 0 | 4 |
|  |  | **Total** | 20 | 0 | 0 | **20** |
|  | | **Practical** |  | | | |
| 6 | MCE291 | **Computer Aided Design And Drawing [Compulsory]** | 0 | 0 | 3 | 2 |
| 7 | MCE292 | **Advanced Structural Design Software Lab [Compulsory]** | 0 | 0 | 3 | **2** |
|  |  | **Total** |  |  | 6 | **4** |

**Second Year 3rd Semester\_ Construction Planning and Management**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sr. No: | PaperCode | **Paper Name** | ClassHours | | | Credit |
| **Theory** | L | T | P |  |
| 1 | MCE301 | A:ProjectManagement&Entrepreneurship  B:Teaching&ResearchMethodologies | 4 | 0 | 0 | 4 |
| 2 | MCE302 | GIS In Construction Engineering And                                 Management | 4 | 0 | 0 | 4 |
|  |  | **Total** | 8 | 0 | 0 | **8** |
|  | | **Project** |  | | | |
| 3 | MCE381 | **Project–Part1**  **(DissertationI + DefenceofProject-I)** | 0 | 0 | 18 | 12 |
|  | | **Total** | 8 | 0 | 18 | **20** |

**Second Year 4th Semester**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sr. No  : | PaperCode | **Paper Name** | ClassHours | | | Credit | |
| **Project** | L | T | P |  | |
| 1 | MCE481 | Project–Part1I  (DissertationII + DefenceofProject-II) | 0 | 0 | 24 | 20 | |
| 2 | MCSE481 | ComprehensiveVivaVoce |  |  |  | 20 | |
|  | | **Total** | 0 | 0 | 24 | | **20** |