Tatyasaheb Kore Institute of Engineering and Technology, Warananagar (An Autonomous Institute)

B. Tech. In CIVIL Engineering

# Syllabus Structure under Autonomous Status of TKIET, Warananagar

**2021-22**

Tatyasaheb Kore Institute of Engineering and Technology, Warananagar

# Second Year B. Tech. (Civil Engineering)

**Semester-III**

**(To be implemented from 2021 - 22) Credit Scheme**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Course Code** | **Category** | **Course Title** | | **Teaching Scheme** | | | | | **Examination & Evaluation Scheme** | | | |
| **L** | **T** | **P** | **C** | **CH** | **Compon ent** | **Marks** | **Min for Passing** | |
| **CE301** | **PCC** | **Strength of Materials** | | **3** | **--** | **--** | **3** | **3** | **ESE** | **60** | **24** | **40** |
| **ISE** | **40** | **16** |
| **CE302** | **PCC** | **Surveying** | | **3** | **--** | **--** | **3** | **3** | **ESE** | **60** | **24** | **40** |
| **ISE** | **40** | **16** |
| **CE303** | **BSC** | **Applied Mathematics** | | **2** | **-** | **--** | **2** | **2** | **ESE** | **60** | **24** | **40** |
| **ISE** | **40** | **16** |
| **CE304** | **PCC** | **Fluid Mechanics** | | **3** | **--** | **--** | **3** | **3** | **ESE** | **60** | **24** | **40** |
| **ISE** | **40** | **16** |
| **CE305** | **PCC** | **Building Construction and Drawing** | | **3** | **--** | **--** | **3** | **3** | **ESE** | **60** | **24** | **40** |
| **ISE** | **40** | **16** |
| **CE303T** | **BSC** | **Applied Mathematics** | | **-** | **1** | **-** | **1** | **1** | **ISA** | **25** | **10** | **10** |
| **CE305T** | **PCC** | **Building Construction and Drawing** | | **--** | **-** | **2** | **1** | **2** | **ISA** | **50** | **20** | **20** |
| **CE306T** | **PCC** | **Computer Aided Drawing** | | **--** | **--** | **2** | **1** | **2** | **ISA** | **25** | **10** | **10** |
| **CE307T** | **ESC** | **Numerical Method** | | **-** | **--** | **2** | **1** | **2** | **ISA** | **25** | **10** | **10** |
| **CE301P** | **PCC** | **Strength of Materials** | | **--** | **--** | **2** | **1** | **2** | **ISA** | **25** | **10** | **10** |
| **POE** | **25** | **10** | **10** |
| **CE302P** | **PCC** | **Surveying** | | **--** | **--** | **2** | **1** | **2** | **ISA** | **50** | **20** | **20** |
| **POE** | **25** | **10** | **10** |
| **CE304P** | **PCC** | **Fluid Mechanics** | | **--** | **--** | **2** | **1** | **2** | **ISA** | **25** | **10** | **10** |
| **POE** | **25** | **10** | **10** |
| **CE 309A** | **MC** | **Audit Course – III** | | **-** | **--** | **2** | **--** | **2** | **--** | **--** | **--** | **--** |
| **(** | Environmental studies) |
|  |  |  | | **14** | **1** | **14** | **21** | **29** | **--** | **800** | **320** | **--** |

Tatyasaheb Kore Institute of Engineering and Technology, Warananagar

# Second Year B. Tech. (Civil Engineering)

**Semester-IV**

**(To be implemented from 2021 - 22) Credit Scheme**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Course Code** | **Category** | **Course Title** | | **Teaching Scheme** | | | | | **Examination & Evaluation Scheme** | | | |
| **L** | **T** | **P** | **C** | **CH** | **Compon ent** | **Marks** | **Min for Passing** | |
| **CE401** | **PCC** | **Mechanics of structures** | | **3** | **--** | **--** | **3** | **3** | **ESE** | **60** | **24** | **40** |
| **ISE** | **40** | **16** |
| **CE402** | **PCC** | **Advanced Surveying** | | **3** | **--** | **--** | **3** | **3** | **ESE** | **60** | **24** | **40** |
| **ISE** | **40** | **16** |
| **CE403** | **PCC** | **Concrete Tech.** | | **3** | **--** | **--** | **3** | **3** | **ESE** | **60** | **24** | **40** |
| **ISE** | **40** | **16** |
| **CE404** | **PCC** | **Hydraulics** | | **3** | **--** | **--** | **3** | **3** | **ESE** | **60** | **24** | **40** |
| **ISE** | **40** | **16** |
| **CE405** | **PCC** | **Building Planning & Design** | | **3** | **--** | **--** | **3** | **3** | **ESE** | **60** | **24** | **40** |
| **ISE** | **40** | **16** |
| **CE401T** | **PCC** | **Mechanics of structures** | | **--** | **-** | **2** | **1** | **2** | **ISA** | **25** | **10** | **10** |
| **CE404T** | **PCC** | **Hydraulics** | | **--** | **-** | **2** | **1** | **2** | **ISA** | **25** | **10** | **10** |
| **CE406T** | **PCC** | **Design and development of civil structure model** | | **--** | **-** | **2** | **1** | **2** | **ISA** | **50** | **20** | **20** |
| **CE402P** | **PCC** | **Advanced Surveying** | | **--** | **--** | **2** | **1** | **2** | **ISA** | **25** | **10** | **10** |
| **POE** | **25** | **10** | **10** |
| **CE403P** | **PCC** | **Concrete Tech.** | | **--** | **-** | **2** | **1** | **2** | **ISA** | **50** | **20** | **20** |
| **POE** | **25** | **10** | **10** |
| **CE405P** | **PCC** | **Building Planning & Design** | | **-** | **--** | **2** | **1** | **2** | **ISA** | **50** | **20** | **20** |
| **POE** | **25** | **10** | **10** |
| **CE407A** | **MC** | **Audit Course – IV** | | **2** | **--** | **--** | **--** | **2** | **--** | **--** | **--** | **--** |
| **(** | General Proficiency) |
|  |  |  | | **17** | **-** | **12** | **21** | **29** | **--** | **800** | **320** | **--** |