**N.B.K.R. INSTITUTE OF SCIENCE & TECHNOLOGY:: VIDYANAGAR**

Approved in the BOS meetingheld on 16.09.2022

*(AUTONOMOUS)*

**CIVIL ENGINEERING**

**SCHEME OF INSTRUCTION AND EVALUATION**

(With effect from the batch admitted in the academic year 2020-2021)

**III YEAR OF FOUR YEAR B.TECH. DEGREE COURSE – I SEMESTER**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.NO | CourseCode | Course Title | Contact Hours/Week | Credits | Evaluation |
| SessionalTest-I | SessionalTest-II | Total Sessional Marks (Max. 40) | SemesterEnd Examination | Max.Total Marks |
| **THEORY** | L | T | P | Test-I(2 hrs.) | Assignment-I | Max.Marks | Test-II(2 hrs.) | Assignment-II | Max.Marks | 0.8(Better of two sessional tests)+0.2(Other) | DurationIn Hours | Max. Marks |
| 1 | 20CE3101 | Elemental Design of RC structures | 2 | 1 | 0 | 3 | 34 | 6 | 40 | 34 | 6 | 40 | 3 | 60 | 100 |
| 2 | 20CE3102 | Concrete Technology | 3 | 0 | 0 | 3 | 34 | 6 | 40 | 34 | 6 | 40 | 3 | 60 | 100 |
| 3 | 20CE3103 | Steel Structural design | 2 | 1 | 0 | 3 | 34 | 6 | 40 | 34 | 6 | 40 | 3 | 60 | 100 |
|  | **OPEN ELECTIVE COURSE/JOB ORIENTED COURSE** |  |
| 4 | 20XX3101 | *Open Elective Course**/Job Oriented Course\** | 3 | 0 | 0 | 3 | 34 | 6 | 40 | 34 | 6 | 40 | 3 | 60 | 100 |
| 5 | 20CE31EX | **Professional Elective-I** | 3 | 0 | 0 | 3 | 34 | 6 | 40 | 34 | 6 | 40 | 3 | 60 | 100 |
|  | **PRACTICALS** |  |
| 1 | 20CE31P1 | Concrete Technology Laboratory | 0 | 0 | 3 | 1.5 | - | - | - | - | - | - | Day-to-day Evaluation and a test(40 marks) | 3 | 60 | 100 |
| 2 | 20CE31P2 | CACED Lab | 0 | 0 | 3 | 1.5 | - | - | - | - | - | - | 3 | 60 | 100 |
|  |  | **SKILL ADVANCEDCOURSE / SOFT SKILL COURSE** |  |
| 1 | 20CE31SC | Revit Architecture | 0 | 0 | 4 | 2 | - | - | - | - | - | - | 3 | 60 | 100 |
|  |  | **MANDATORY COURSE** | 0.8(Better of two)+0.2(Other) |  |
| 1 | 20MC3101 | *Advanced Aptitude and Reasoning Skills* | 2 | 0 | 0 | 0 | 34 | 6 | 40 | 34 | 6 | 40 | 3 | 60 | 100 |
|  |  | **INTERNSHIP:** |  |
| 1 | 20CE31IS | Summer Internship(Community Service Projects) | 0 | 0 | 0 | 1.5 | - | - | - | - | - | - | 40 marks | - | 60 | 100 |
|  |  | **TOTAL** |  |  |  | **21.5** |  |
| 1 | 20xx31xx | Honors/Minor Course | 4 | 0 | 0 | 4 | The hours distribution can be 3-0-2 or 3-1-0 also |
| **Professional Elective-I:** | **20CE31E1**: **Hydraulics & Hydraulic Machineries** 20CE31E2: Ground Water Hydrology  | 20CE31E3: Traffic Engg. & Management | 20CE31E4: Adv. Foundation Engg. |
| *\**Any one of the open electives (III-I/III-II/IV-I) during the four year UG Programme may be taken by the students under MOOCs. |