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

Approved in the BOS meeting held on 7th Jan 2021

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

*(AUTONOMOUS)*

Approved in the BOS meeting held on 16.09.2022

**CIVIL ENGINEERING**

**SCHEME OF INSTRUCTION AND EVALUATION**

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

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S.NO | Course  Code | Course Title | Contact Hours/  Week | | | Credits | Evaluation | | | | | | | | | | | | | | |
| Sessional  Test-I | | | | | Sessional  Test-II | | | | | Total Sessional Marks (Max. 40) | | Semester  End 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) | | Duration  In Hours | Max. Marks |
| 1 | 20CE41EX | **Professional Elective-III** | 3 | 0 | 0 | 3 | 34 | | 6 | 40 | | 34 | | 6 | | 40 | 3 | 60 | 100 |
| 2 | 20CE41EX | **Professional Elective-IV** | 3 | 0 | 0 | 3 | 34 | | 6 | 40 | | 34 | | 6 | | 40 | 3 | 60 | 100 |
| 3 | 20CE41EX | **Professional Elective-V** | 3 | 0 | 0 | 3 | 34 | | 6 | 40 | | 34 | | 6 | | 40 | 3 | 60 | 100 |
|  | | **OPEN ELECTIVE COURSE/JOB ORIENTED COURSE** | | | | | | | | | | | | | | |  | | |
| 4 | 20XX4101 | Open Elective Course/Job Oriented Course | 3 | 0 | 0 | 3 | 34 | | 6 | 40 | | 34 | | 6 | | 40 | 3 | 60 | 100 |
| 5 | 20XX4102 | Open Elective Course/Job Oriented Course | 3 | 0 | 0 | 3 | 34 | | 6 | 40 | | 34 | | 6 | | 40 | 3 | 60 | 100 |
|  | | **HUMANITIES & SOCIAL SCIENCES ELECTIVE** | | | | | | | | | | | | | | |  | | |
| 6 | 20SH4101 | Managerial Sciences | 3 | 0 | 0 | 3 | 34 | | 6 | 40 | | 34 | | 6 | | 40 | 0.8(Better of two+  0.2(Other) | | 3 | 60 | 100 |
|  |  | **SKILL ADVANCEDCOURSE / SOFT SKILL COURSE** | | | | | | | | | | | | | | | | Day-to-day Evaluation and a test  (40 marks) |  | | |
| 1 | 20CE41SC | Comp. Design Lab | 0 | 0 | 4 | 2 | - | - | | | - | | - | | - | - | | 3 | 60 | 100 |
|  |  | **INTERNSHIP** | | | | | | | | | | | | | | | | | | | |
| 1 | 20CE41IS | Industrial/Research Internship | 0 | 0 | 0 | 3 | - | - | | | - | | - | | - | - | | 40marks | - | 60 | 100 |
|  |  | **TOTAL** |  |  |  | **23** |  | | | | | | | | | | | | | | |
| 1 | 20xx41xx | Honors/Minor course | 4 | 0 | 0 | 4 | The hours distribution can be 3-0-2 or 3-1-0 also | | | | | | | | | | | | | | |
| **Industrial/Research:** Internship (Mandatory) 2 months during summer vacation (to be evaluated during VII semester)  **Professional Elective-III:**  20CE41E1:Pavement Construction & Management; **20CE41E2:Solid Waste Management**.; 20CE41E3:Structural Health Monitoring; 20CE41E4:Advanced Structural Design | | | | | | | | | | | | | | | | | | | | | |
| **Professional Elective-IV:** 20CE41E5:Prestressed Concrete; 20CE41E6:Bridge Engineering.; **20CE41E7:Railway Airport & Harbour Engineering**; 20CE41E8:Integrated Watershed Management | | | | | | | | | | | | | | | | | | | | | |
| **Professional Elective-V:**20CE41E9:Repair &Rehabilitation of Structures;**20CE41EA:Construction Planning & Management**; 20CE41EB:Air& Noise pollution Control ; 20CE41EC:Ground Improvement Techniques | | | | | | | | | | | | | | | | | | | | | |