# II/II (IT - Scheme - 2020 Regulations)

**NBKR INSTITUTE OF SCIENCE & TECHNOLOGY: VIDYANAGAR (AUTONOMOUS)**

**AFFILIATED TO JNTUA, ANANTAPURAMU**

**II YEAR OF FOUR-YEAR B. TECH DEGREE COURSE – II SEMESTER**

**INFORMATION TECHNOLOGY**

**SCHEME OF INSTRUCTION AND EVALUATION**

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

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| --- | --- | --- | --- | --- | --- |
| S.No | Course Code | Course Title | Instruction Hours/Week | Credits | Evaluation |
| Sessional Test-I | Sessional Test-II | Total Sessional Marks (Max. 40) | End Semester Examination | Max. Total Marks(100) |
|   |   | **THEORY** | L | T | D/P |   | Duration In Hours | Max. Marks (24+6+10) | Duration In Hours | Max. Marks (24+6+10) | 0.8\*Best of two+0.2\*least of two | Duration In Hours | Max. Marks |
| 1 | 20CS2201 | Design and Analysis of Algorithms  | 3 | - | - | 3 | 2 | 40 | 2 | 40 | 3 | 60 | 100 |
| 2 | 20CS2202 | Operating Systems | 3 | - | - | 3 | 2 | 40 | 2 | 40 | 3 | 60 | 100 |
| 3 | 20CS2203 | Software Engineering | 3 | - | - | 3 | 2 | 40 | 2 | 40 | 3 | 60 | 100 |
| 4 | 20CS2204 | Formal Languages and Automata Theory | 3 | - | - | 3 | 2 | 40 | 2 | 40 | 3 | 60 | 100 |
| 5 | 20SH2201 | HSM- Managerial Economics and Financial Accounting | 3 | - | - | 3 | 2 | 40 | 2 | 40 | 3 | 60 | 100 |
|   | **PRACTICALS** |   |
| 6 | 20CS22P1 | Design and Analysis ofAlgorithms Lab  | - | - | 3 | 1.5 | - | - | - | 40 | Day to Day Evaluation and a test (40 Marks) | 3 | 60 | 100 |
| 7 | 20CS22P2 | Operating Systems Lab | - | - | 3 | 1.5 | - | - | - | 40 | 3 | 60 | 100 |
| 8 | 20CS22P3 | Software Engineering Lab | - | - | 3 | 1.5 | - | - | - | 40 | 3 | 60 | 100 |
|  | **SKILL ORIENTED COURSE** |  |  |
| 9 | 20CS22SC | Web Development | 1 | - | 2 | 2 | - | - | - | 40 | 3 | 60 | 100 |
|  |  | **TOTAL** | **16** | **-** | **11** | **21.5** |  | **200** |  | **360** | **-** | **540** | **900** |