# II/I (AI&DS - Scheme - 2020 Regulations)

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

**AFFILIATED TO JNTUA, ANANTAPURAMU**

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

**ARTIFICIAL INTELLIGENCE & DATA SCIENCE**

**SCHEME OF INSTRUCTION AND EVALUATION**

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 20SH2103 | Numerical Methods, Probability and Statistics | 3 | - | - | 3 | 2 | 40 | 2 | 40 | 3 | 60 | 100 |
| 2 | 20SH2104 | Applied Linear Algebra | 2 | - | - | 2 | 2 | 40 | 2 | 40 | 3 | 60 | 100 |
| 3 | 20CS2101 | Discrete Mathematical Structures | 3 | - | - | 3 | 2 | 40 | 2 | 40 | 3 | 60 | 100 |
| 4 | 20CS2102 | Database Management Systems | 3 | - | - | 3 | 2 | 40 | 2 | 40 | 3 | 60 | 100 |
| 5 | 20EC2107 | Digital Logic Design | 3 | - | - | 3 | 2 | 40 | 2 | 40 | 3 | 60 | 100 |
| 6 | 20AD2101 | Computer Organization | 3 | - | - | 3 | 2 | 40 | 2 | 40 | 3 | 60 | 100 |
| 7 | 20MC2101 | MC :: Environmental Science | 2 | - | - | - | 2 | 40 | 2 | 40 |  | 3 | 60 | 100 |
|  | | **PRACTICALS** |  | | | | | | | | | | | |
| 8 | 20CS21P1 | Database Management Systems Lab | - | - | 3 | 1.5 | - | - | - | 40 | Day to Day Evaluation and a test (40 Marks) | 3 | 60 | 100 |
| 9 | 20EC21P6 | Digital Logic Design Lab | - | - | 2 | 1 | - | - | - | 40 | 3 | 60 | 100 |
|  | | **SKILL ORIENTED COURSE** |  | | | | | | | |  | | |
| 10 | 20CS21SC | Application Development using JAVA | 1 | - | 2 | 2 | - | - | - | 40 | 3 | 60 | 100 |
|  |  | **TOTAL** | **20** | **-** | **7** | **21.5** |  | **280** |  | **400** | **-** | **600** | **1000** |

***MC: Mandatory Course***