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

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

**AFFILIATED TO JNTUA, ANANTAPURAMU**

**III 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) | Duration In Hours | Max. Marks |
| 1 | 20CS3101 | Data Warehousing and Mining | 3 | - | - | 3 | 2 | 40 | 2 | 40 | 0.8\*Best of two  + 0.2\*least of two | 3 | 60 | 100 |
| 2 | 20CS3102 | Formal Languages and Automata Theory | 3 | - | - | 3 | 2 | 40 | 2 | 40 | 3 | 60 | 100 |
| 3 | 20AD3101 | Artificial Intelligence | 3 | - | - | 3 | 2 | 40 | 2 | 40 | 3 | 60 | 100 |
| 4 |  | **Professional Elective - I** | 3 | - | - | 3 | 2 | 40 | 2 | 40 | 3 | 60 | 100 |
| 20CS31E1 | Object Oriented Analysis and Design |
| 20CS31E2 | Principles of Programming Languages |
| 20CS31E3 | Computer Graphics |
| 20IT3101 | Wireless and Ad Hoc Networks |
| 5 | 20XX31XX | **Open Elective - I** | 3 | - | - | 3 | 2 | 40 | 2 | 40 | 3 | 60 | 100 |
| 6 | 20MC3101 | MC:: Entrepreneurship | 2 | - | - | - | 2 | 40 | 2 | 40 | 3 | 60 | 100 |
|  | | **PRACTICALS** |  | | | | | | | | | | | |
| 7 | 20CS31P1 | Data Warehousing and Mining Lab | - | - | 3 | 1.5 | - | - | - | 40 | Day to Day Evaluation and a test (40 Marks) | 3 | 60 | 100 |
| 8 | 20AD31P1 | Artificial Intelligence Lab | - | - | 3 | 1.5 | - | - | - | 40 | 3 | 60 | 100 |
|  | | **SKILL ORIENTED COURSE** |  | | | | | | | |  | | |
| 9 | 20SH31SC | Communication and Soft Skills | 1 | - | 2 | 2 | - | - | - | 40 | 3 | 60 | 100 |
|  | | **INTERNSHIP** |  | | | | | | | |  | | |
| 10 | 20AD31IS | Summer Internship  (Community Service Project) | - | - | - | 1.5 | - | - | - | 40 | 3 | 60 | 100 |
|  |  | **TOTAL** | **18** | **-** | **8** | **21.5** | **-** | **240** | **-** | **400** | **-** | **600** | **1000** |

***MC: Mandatory Course***