# IV/I (IT-Scheme - 2019 Regulations)

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

**AFFILIATED TO JNTUA, ANANTAPURAMU**

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

**INFORMATION TECHNOLOGY**

SCHEME OF INSTRUCTION and EVALUATION

(With effect from the batch admitted in the academic year 2019-2020)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |
| **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 | 100 |
| 1 | 19CS4101 | Machine Learning | 3 | - | - | 3 | 2 | 40 | 2 | 40 | 3 | 60 | 100 |
| 2 | 19CS4102 | Data Analytics | 3 | - | - | 3 | 2 | 40 | 2 | 40 | 3 | 60 | 100 |
| 3 | 19IT4101 | Introduction to Robotics and Navigation | 3 | - | - | 3 | 2 | 40 | 2 | 40 | 3 | 60 | 100 |
| 4 |  | Professional Elective –3 | 3 | - | - | 3 | 2 | 40 | 2 | 40 | 3 | 60 | 100 |
| 19CS41E1 | Service Oriented Architecture |
| 19CS41E2 | Embedded Systems |
| 19CS41E3 | Image Processing and Visualization |
| 19IT41E1 | Computer Graphics |
| 5 |  | Open Elective – 1 | 3 | - | - | 3 | 2 | 40 | 2 | 40 | 3 | 60 | 100 |
|  | | **PRACTICALS** |  | | | | | | | | | | | |
| 6. | 19CS41P1 | Machine Learning Lab | - | - | 3 | 1.5 | - | - | - | 40 | Day to Day Evaluation and a test  (40 Marks) | 3 | 60 | 100 |
| 7. | 19CS41P2 | Data Analytics Lab | - | - | 3 | 1.5 | - | - | - | 40 | 3 | 60 | 100 |
|  |  | **TOTAL** | 15 | - | 6 | 18 | - | 200 | - | 280 | - | 420 | 700 |