**VIDYA JYOTHI INSTITUTE OF TECHNOLOGY**

**(An Autonomous Institution)**

(Accredited by NAAC & NBA, Approved by AICTE New Delhi & Permanently Affiliated to JNTUH)

**COURSE STRUCTURE & SYLLABUS (R22 Regulations)**

# B.Tech. in CIVIL ENGINEERING

**II YEAR I SEMESTER**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S.**  **No.** | **Course Code** | **Course**  **Cat.** | **Course Title** | **L** | **T** | **P** | **C** |
| 1. | A223009 | BS | Probability and Statistics | 3 | 1 | 0 | 4 |
| 2. | A223103 | PC | Surveying & Geomatics | 3 | 0 | 0 | 3 |
| 3. | A223104 | PC | Engineering Geology | 3 | 0 | 0 | 3 |
| 4. | A223105 | PC | Solid Mechanics – I | 3 | 0 | 0 | 3 |
| 5. | A223106 | PC | Fluid Mechanics | 3 | 0 | 0 | 3 |
| 6. | A223181 | PC | Surveying & Geomatics Laboratory | 0 | 0 | 2 | 1 |
| 7. | A223182 | PC | Engineering Geology Laboratory | 0 | 0 | 2 | 1 |
| 8. | A223183 | ES | Computer Aided Drafting Laboratory | 0 | 0 | 2 | 1 |
| 9. | A223012 | HSMC | Professional communications | 2 | 0 | 0 | 1 |
|  |  |  | **Total** |  |  |  | **20** |

# II YEAR II SEMESTER

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| **S.**  **No.** | **Course Code** | **Course**  **Cat.** | **Course Title** | **L** | **T** | **P** | **Credits** |
| 1. | A224208 | ES | Basic Electrical Engineering | 2 | 0 | 0 | 2 |
| 2. | A224107 | PC | Concrete Technology | 3 | 0 | 0 | 3 |
| 3. | A224108 | PC | Solid Mechanics – II | 3 | 0 | 0 | 3 |
| 4. | A224109 | PC | Structural Analysis | 3 | 0 | 0 | 3 |
| 5. | A224110 | ES | Hydraulics and Hydraulics Machinery | 3 | 0 | 0 | 3 |
| 6. | A224184 | PC | Solid Mechanics Laboratory | 0 | 0 | 2 | 1 |
| 7. | A224185 | ES | Fluid Mechanics and Hydraulic Machinery  Laboratory | 0 | 0 | 2 | 1 |
| 8. | A2241P1 | PW | Real-time Research Project | 0 | 0 | 4 | 2 |
| 9. | A224013 | ES | QMLR | 2 | 0 | 0 | 1 |
| 10. | A224287 | ES | Basic Electrical Engineering Lab | 0 | 0 | 2 | 1 |
|  |  |  | **Total** |  |  |  | **20** |