R22 B.Tech Electrical and Electronics Engineering Course Structure

II YEAR I SEMESTER

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S. No.** | **Course****Category** |  | **Course****Title** | **L** | **T** | **P** | **Credits** |
| 1 | BS-5 | A223010 | Complex Analysis and Fourier Transforms | 3 | 1 | 0 | 4 |
| 2 | PC-1 | A223205 | Network Analysis | 3 | 0 | 0 | 3 |
| 3 | ES-5 | A223403 | Analog Electronic Circuits | 3 | 0 | 0 | 3 |
| 4 | PC-2 | A223206 | Electrical Machines-I | 3 | 1 | 0 | 3 |
| 5 | PC-3 | A223207 | Electro Magnetic Fields | 3 | 0 | 0 | 3 |
| 6 | PC Lab-1 | A223284 | Electrical Machines Laboratory-I | 0 | 0 | 2 | 1 |
| 7 | PC Lab-2 | A223285 | Networks Laboratory | 0 | 0 | 2 | 1 |
| 8 | PC Lab-3 | A223286 | Electrical Simulation tools Laboratory | 0 | 0 | 2 | 1 |
| 9 | MC-1 | A223012 | Professional Communication | 0 | 0 | 2 | 1 |
|  |  |  | **Total Credits** | **15** | **2** | **08** | **20** |

1. **YEAR II SEMESTER**

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| **S. No.** | **Course****Category** |  | **Course****Title** | **L** | **T** | **P** | **Credits** |
| 1 | ES-6 | A224209 | Power System-I | 3 | 0 | 0 | 3 |
| 2 | PC-4 | A224210 | Measurements and Instrumentation | 3 | 0 | 0 | 3 |
| 3 | PC-5 | A224211 | Electrical Machines–II | 3 | 0 | 0 | 3 |
| 4 | ES-7 | A224409 | Digital Electronics | 2 | 0 | 0 | 2 |
| 5 | PC-6 | A224212 | Control Systems | 3 | 0 | 0 | 3 |
| 6 | PC Lab-4 | A224288 | Analog Electronics Laboratory | 0 | 0 | 2 | 1 |
| 8 | PC Lab-5 | A224289 | Measurements and InstrumentationLaboratory | 0 | 0 | 2 | 1 |
| 9 | PC Lab-6 | A224290 | Electrical Machines Laboratory-II | 0 | 0 | 2 | 1 |
| 10 | PW-1 | A2242P1 | Real-time Research Project/ Field Based Project | 0 | 0 | 4 | 2 |
| 11 | MC-2 | A224013 | Quantitative Methods and Logical Reasoning | 3 | 0 | 0 | 1 |
|  |  |  | **Total Credits** | **17** | **1** | **10** | **20** |