

Bachelor of Engineering (Electronics & Instrumentation Engineering) Semester: IV

| S. No. | Subject Category | Subject Code | Subject Name | Maximum marks allotted | | | | | | | | | Hours /Week | | | Total Credits |
|--------------|------------------|--------------|-----------------------|------------------------|-----------|-----------|-----------|-------------|---------------------------|-----------|-----------|--------------------|-------------|----------|----------|---------------|
| | | | | Theory | | | | | | Practical | | | L | T | P | |
| | | | | End Sem | Minor-I | Minor-II | Quiz | Assignments | Tutorials/Problem Solving | End Sem | Lab Work | Viva Voce / Assign | | | | |
| 1. | EAS | EI-401 | System Engineering | 60 | 10 | 10 | 5 | 5 | 10 | - | - | - | 3 | 1 | - | 4 |
| 2. | DC | EI-402 | Digital Electronics | 60 | 10 | 10 | 5 | 5 | 10 | 10 | 20 | 20 | 3 | 1 | 2 | 5 |
| 3. | DC | EI-403 | Analog Electronics | 60 | 10 | 10 | 5 | 5 | 10 | 10 | 20 | 20 | 2 | 1 | 2 | 4 |
| 4. | DC | EI-404 | Sensors & Transducers | 60 | 10 | 10 | 5 | 5 | 10 | 10 | 20 | 20 | 3 | 1 | 2 | 5 |
| 5. | DC | EI-405 | Data Structures | 60 | 10 | 10 | 5 | 5 | 10 | - | - | - | 3 | 1 | - | 4 |
| 6. | DC | EI-406 | Programming Tools | - | - | - | - | - | - | 10 | 20 | 20 | - | - | 2 | 1 |
| 7. | DE | EI-407 | Mathematics -IV | 60 | 10 | 10 | 5 | 5 | 10 | - | - | - | 3 | - | - | 3 |
| Total | | | | 360 | 60 | 60 | 30 | 30 | 60 | 40 | 80 | 80 | 17 | 5 | 8 | 26 |