

LIST OF SUBJECTS of UG and PG ODD SEM-Autumn 2022
Academic Year 2022-23

1st year 1st Semester:

| SI no | Code | Course Title | Credit |
|-------|-----------|---------------------------------------|--------|
| 1 | MENUGES01 | Engineering Mechanics | 4 |
| 2 | EENUGES01 | Basic Electrical Engineering | 3 |
| 3 | MATUGBS01 | Engineering Mathematics I | 4 |
| 4 | PHYUGBS01 | Engineering Physics | 3 |
| 5 | CENUGES01 | Engineering Graphics & Design | 2.5 |
| 6 | EENUGES02 | Basic Electrical Engineering Lab | 1.5 |
| 7 | PHYUGBS02 | Engineering Physics Lab | 1.5 |
| 8 | UCCUGAU01 | Elementary Arabic and Islamic Studies | 0 |

2nd year 3rd Semester:

| Sl. No. | Subject Code | Subject Name | Credit |
|---------|--------------|--------------------------------------|--------|
| 1 | EENUGPC01 | Electrical Network Analysis | 4 |
| 2 | EENUGPC02 | Electromagnetic Fields | 3 |
| 3 | ECEUGPC01 | Analog Electronics | 3 |
| 4 | MATUGBS03 | Engineering Mathematics III | 4 |
| 5 | CSEUGOE01 | Data Structures & Algorithms (OEC I) | 3 |
| 6 | UCCUGMC03 | Indian Constitution | 0 |
| 7 | EENUGPC03 | Electrical Network Analysis Lab | 1.5 |
| 8 | ECEUGPC04 | Analog Electronics Lab | 1.5 |

3rd year 5th Semester:

| Sl. No. | Subject Code | Subject Name | Credit |
|---------|--------------|---|--------|
| 1 | EENUGPC07 | Power Electronics | 4 |
| 2 | EENUGPC08 | Control System | 3 |
| 3 | EENUGPC09 | Power System I | 3 |
| 4 | ECEUGPC10 | Microprocessor & Microcontroller (PEC I) | 3 |
| 5 | CSEUGOE03 | Object Oriented Programming (OEC) | 3 |
| 6 | EENUGPC10 | Electrical Machines I Lab | 1.5 |
| 7 | EENUGPC11 | Control Systems Lab | 1.5 |
| 8 | EENUGPC12 | Power System Lab | 1.5 |
| 9 | ECEUGPC14 | Microprocessor & Microcontroller Lab (PEC II) | 1.5 |

4th year 7th Semester:

| Sl. No. | Subject Code | Subject Name | Credit |
|---------|--------------|---------------------------------------|--------|
| 1 | EENUGPE19 | Linear Programming Problem (PEC V) | 3 |
| 2 | EENUGPE14 | Renewable Energy (PEC VI) | 3 |
| 3 | MBAUGOE01 | Entrepreneurship Development (OEC V) | 3 |
| 4 | MBAUGHU01 | Industrial Economics & Management | 4 |
| 5 | EENUGPE06 | Switchgear & Protection Lab (PEC VII) | 1.5 |
| 6 | EENUGPR01 | Summer Internship | 2 |
| 7 | EENUGPR02 | Project I | 4 |

M.Tech 1st Year 1st Sem Control System:

| Sl. No. | Subject Code | Subject Name | Credit |
|---------|--------------|--|--------|
| 1 | EENPGPC01 | Advanced Control Engineering | 3 |
| 2 | EENPGPC02 | System Identification & Estimation | 3 |
| 3 | EENPGPE01 | Optimization Technique (PEC I) | 3 |
| 4 | EENPGPE04 | Principles Industrial Instrumentation (PEC II) | 3 |
| 5 | EENPGPC51 | Control System Lab I for PG | 2 |
| 6 | UCEPGMC01 | Pedagogy Studies | 0 |
| 7 | UCEPGAU01 | Elementary Arabic & Islamic Studies | 0 |

M.Tech 1st Year 1st Sem Power System:

| Sl. No. | Subject Code | Subject Name | Credit |
|---------|--------------|--|--------|
| 1 | EENPGPC11 | Power Quality | 3 |
| 2 | EENPGPC12 | Power System Analysis & Control | 3 |
| 3 | EENPGPE01 | Optimization Technique (PEC II) | 3 |
| 4 | EENPGPE04 | Principles Industrial Instrumentation (PEC II) | 3 |
| 5 | EENPGPC53 | Power System Lab I for PG | 2 |
| 6 | UCEPGMC01 | Pedagogy Studies | 0 |
| 7 | UCEPGAU01 | Elementary Arabic & Islamic Studies | 0 |

M. Tech 3rd Semester:

| Sl. No. | Subject Code | Subject Name | Credit |
|---------|--------------|----------------------------|--------|
| 1 | EENPGPE18 | Sensor and Devices (PEC V) | 3 |
| 2 | EENPGPR02 | Research Methodology & IPR | 2 |
| 3 | EENPGPR03 | Dissertation I | 10 |