



FACULTY OF ENGINEERING AND TECHNOLOGY
Department of Electrical Engineering
Teaching Scheme Session 2022 Onwards

Program Name: Master of Technology Course: M.Tech. in Power System
YEAR/SEMESTER: I/I

| S. No. | Subject Code | Subject Title | Credit |
|-------------------------|--------------|--|--------|
| | | Theory Papers | |
| 1 | EE203101 | Modern Power System Analysis | 4 |
| 2 | EE203102 | Power System Dynamics | 4 |
| 3 | EE203103 | Modern Power System Protection | 3 |
| 4 | EE203104.1 | Electrical Power Distribution System | 3 |
| | EE203104.2 | Mathematical Methods For Power Engineering | |
| | EE203104.3 | Pulse Width Modulation For PE Converters | |
| 5 | EE203105 | Research Methodology And IPR | 2 |
| Practical Papers | | | |
| 1 | EE203121 | Power System Protection Lab | 2 |
| 2 | EE203122 | Power System Dynamics Lab | 2 |
| 3 | SODECA | Social Outreach Discipline & Extra Curriculum Activities | 1 |



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FACULTY OF ENGINEERING AND TECHNOLOGY

Department of Electrical Engineering

Teaching Scheme Session 2022 Onwards

Program Name: Master of Technology – Course: M.Tech. in Power System

YEAR/SEMESTER: I/II

| S. No. | Subject Code | Subject Title | Credit |
|-------------------------|--------------|--|--------|
| Theory Papers | | | |
| 1 | EE203201 | Distributed Generation System | 3 |
| 2 | EE203202 | Power System Operation And Control | 4 |
| 3 | EE203203 | Ai Application To Power Systems | 3 |
| 4 | EE203204.1 | Embedded System Design | 4 |
| | EE203204.2 | Scada System And Applications | |
| | EE203204.3 | Modern Control System And Design | |
| 5 | EE203205 | Audit Course-I | - |
| Practical Papers | | | |
| 1 | EE203221 | Power System Steady State Analysis Lab | 2 |
| 2 | EE203222 | Power Electronics Applications To Power Systems Lab | 2 |
| 3 | EE203223 | Mini Project With Seminar | 2 |
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Program Name: Master of Technology – Course: M.Tech. in Power System

YEAR/SEMESTER: II/III

| S. No. | Subject Code | Subject Title | Credit |
|-------------------------|--------------|--|--------|
| Theory Papers | | | |
| 1 | EE203301 | Power System Transients | 3 |
| | | FACTS and Custom Power Devices | |
| | | Industrial Load Modeling and Control | |
| 2 | EE203302 | Open Elective | 3 |
| 3 | EE203303 | Audit Course - II | - |
| Practical Papers | | | |
| 1 | EE203321 | Dissertation Phase - I / Industrial Project | 10 |
| 2 | SODECA | Social Outreach Discipline & Extra Curriculum Activities | 1 |



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Program Name: Master of Technology – Course: M.Tech. in Power System

YEAR/SEMESTER: II/IV

| S. No. | Subject Code | Subject Title | Credit |
|--------|--------------|--|--------|
| | | Practical Papers | |
| 1 | EE203421 | Dissertation Phase - II | 16 |
| 2 | SODECA | Social Outreach Discipline & Extra Curriculum Activities | 1 |