

Faculty of Electrical Engineering
M.E. Power Systems Engineering
(R 2021) Semester – I

| Course Code: PS4111 Course Title: Power System Laboratory – I | | |
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| Sl. No. | Description of Equipment | Required numbers (for batch of 25 students) |
| 1 | Personal Desktop Computers (Intel Core i3, 500 GB, 4 - 8 GB RAM) | 25 Nos |
| 2 | Server (Intel Core i3, 8 GB RAM) (High Speed Processor) | 1 |
| 3 | Printer | 1 |
| 4 | Software: EMTP / ETAP / MIPOWER / Matlab/ any Power system simulation software | 5 User Licence |
| 5 | Compilers: C / C++ | Original or Student Version |

Faculty of Electrical Engineering

M.E. Power Systems Engineering

(R 2021) Semester – I

| Course Code: PX4161 Course Title: Power Converters Laboratory | | |
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| Sl. No. | Description of Equipment | Required numbers (for batch of 25 students) |
| 1 | Arduino or Micro Controller or PIC microcontroller alongwith interfacing cable | 5 Nos |
| 2 | CRO | 5 Nos |
| 3 | Regulated Power Supply (0-30V, 2A) | 5 Nos |
| 4 | Digital Multimeter | 5 Nos |
| 5 | Personal Computers | 25 Nos |
| 6 | Software (Any software related to Power Electronics & Drives) | 5 License users |
| 7 | Printer | 1 No. |
| Consumables (as per the requirement) | | |
| 9 | IR2110 | |
| 10 | Resistors | |
| 11 | Capacitors | |
| 12 | Diodes | |
| 13 | Single strand wires | |

Degree: PG

Name of the Course: M.E. POWER SYSTEMS ENGINEERING

Course Code: PS4211

**Course Title: POWER SYSTEM LABORATORY – II
(R 2021) Semester: II**

| Sl. No. | Description of Equipment | Required numbers (for batch of 25 students) |
|----------------|---|--|
| 1 | Personal Computers (Intel Core i5 or i7, 500 GB, 8 GB RAM) | 25 |
| 2 | Laser Printer | 1 |
| 3 | Dot matrix Printer | 1 |
| 4 | Server (Intel Core i7, 2 TB, 8 GB RAM or higher) (High Speed Processor) | 1 |
| 5 | Software: EMTP / ETAP / CYME / MIPOWER / any Power system simulation software | 5 |
| 6 | Compilers: C / C++ / Matlab | 25 |