**FDP on "AI for Electrical Engineers"**
**From 08/09/2025 to 12/09/2025**
**O. Plan No. ID-14**
**Organized by Department of EE and Department of CSE**
**NITTTR, Chandigarh**

| Day & Date | 10:00 am - 11.30 am | 11.45 am – 1:15 pm | 1:15 pm -2:30 pm | 2.30 pm – 4:00 pm |
|---|---|---|---|---|
| **Monday 08.09.2025** | Introduction to ML and its Applications in Electrical Engineering **(LM)** | Introduction to Smart Grid **(RT)** | L U N C H | Data Analytics in SmartGrid **(RT)** |
| **Tuesday 09.09.2025** | Phasor Measurement Unit (PMU) **(RS)** | Defense of PMU based Smart Grids using AI **(GK)** | | Python Programming **(MK)** |
| **Wednesday 10.09.2025** | Data Preparation using Python **(MK)** | Data Preparation using Python **(MK)** | | Electrical Grid Stability Forecasting using Machine Learning **(JS)** |
| **Thursday 11.09.2025** | Solar Power Generation with Weather Data Analysis & Prediction **(JS)** | AI for Smart Meters Energy Management and Theft Detection **(GK)** | | Wind Power Generation Analysis, Feature Selection and Forecasting **(JS)** |
| **Friday 12.09.2025** | Use of AI Chatbots for Electrical Engineering **(GK)** | Fundamentals of Deep Learning & its Applications in Electrical Engineering **(JS)** | | Valediction and Feedback |

**Experts in the order to appearance**
- ❖ LM-    Prof.(Dr.) Lini Mathew, Professor, NITTTR, Chandigarh
- ❖ RT-    Dr. Ritula Thakur, Associate Professor, NITTTR, Chandigarh
- ❖ RS-    Dr. Ranjana Sodhi, Associate Professor, IIT, Ropar
- ❖ GK-    Dr. Gaurav Kumar, Founder, Magma Consultancy Pvt. Ltd., Haryana
- ❖ MK-    Dr. Mala Kalra, Assistant Professor, NITTTR, Chandigarh
- ❖ JS-    Dr. Jagriti Saini, Founder and Owner, Eternal RESTEM, HP

*Course Coordinators: Dr. Ritula Thakur, Associate Professor, NITTTR, Chandigarh,*
*Dr. Mala Kalra, Assistant Professor, NITTTR, Chandigarh*