

**13.01.2018**

**ICT based Faculty Development Program on “POWER ELECTRONICS & ITS APPLICATIONS” in association with NITTTR, Chandigarh.**

**Report**

Department of Electrical & Electronics Engineering of MSIT organized one week ICT based Faculty Development Programme on “**POWER ELECTRONICS & ITS APPLICATIONS**” from 27<sup>th</sup> November to 1<sup>st</sup> December, 2017 conducted by NITTTR-Chandigarh.



Dr. Sunil Gupta, Associate Professor, EEE Dept. was the course coordinator for this program. He conducted this short term course with the help of Dr. Meena Tushir, HOD, EEE Department, MSIT and Dr. Shimi S.L., Coordinator, NITTTR-Chandigarh. They formulated the entire program in room no. 406 i.e. seminar hall of MSIT.

A total of 38 faculty members/Lab. Assistants from departments of EEE, ECE (both shifts) and Applied Sciences (both shifts) attended the program assiduously. Some of the research oriented topics covered in this FDP includes:

1. Power quality issues and its measurements using power quality analyzer
2. DC-DC converters and its research potential

3. Practice Task: Testing of components & Illumination Control Ckt
4. MATLAB/SIMULINK for power electronics circuits Simulation
5. Firing pulse generation using Arduino Interface
6. Practice Task: Digital control of Inverter using Arduino

Various eminent speakers/experts, as given below, from different fields of power electronics shared their in-depth knowledge and experience.

Dr. Lini Mathew, Associate Professor, Electrical Engg. Department, NITTTR, Chandigarh

Dr. Shimi. S.L, Assistant Professor, Electrical Engg Department, NITTTR, Chandigarh

Dr. S Chatterji, Ret Prof, NITTTR, Chandigarh

Dr. J.Kalaiselvi, Assistant Professor, Electrical Engg Department, IIT, Ropar

Dr. Jagdish Kumar, Associate Professor, EE, PEC University of Technology, Chandigarh

Dr. Tejinder Singh Saggu, Assistant Professor, EE, PEC University of Technology, Chandigarh

Mr. Hansraj Sharma, JEE, Electrical Engg Department, NITTTR, Chandigarh

Mr. Ajay Godara, Founder, Enovate Skill, Chandigarh



All the speakers were so informative, expressive and enriched with knowledge that the audiences were highly grateful and appreciative. The lab sessions were highly beneficial to all the faculties/staff.



The program ended with a valedictory session by all ICT centers. We expressed our gratitude to the program coordinator, Dr. Shimi S.L., NITTTR for providing us the opportunity in conducting such a valuable research oriented FDP at our institute.

**EEE Department, MSIT**