

REPORT

Name of the Workshop	:	Prospective Research in Power Electronics and Drives
Name of the Resource Person & Designation	:	P. Seshasai Kumar, Senior Engineer - Power Electronics, ENSTIN Labs Pvt. Ltd., Bangalore.
Date & No. of days	:	15.12.2018 & 1Day
Venue	:	Room No. 208
Time	:	9.30 AM to 5.00 PM

Dr. T. Nageswara Prasad introduced the speaker and handed over the session to the Resource person. Mr. P. Seshasai Kumar shared his industrial experience and areas of research in Power Electronics with its application to Power Electronics and Power Systems. He shared the recent developments in designing the power electronics converters and its application towards the energy conversion systems. He gave ideas of designing a fly-back converter sharing his experience in developing hardware and associated software. Participants were exposed to Real time design of a converter.

In the afternoon, he started the session with the detailed analysis of designing the components in the converter such as inductor, capacitor, choosing the diode and other switches according to the requirement of the clients. He has given some task for the students of M.Tech. and Research scholars to know and understand the real difficulties in designing the circuits. At last, he educated the students on choosing a project (problem), industry relevant projects in particular, and also educated the students on facing the interviews for Jobs / Internships. A total of 22 Faculty of EEE, 21 students of B.Tech. (EEE), 16 students of M.Tech. (EPS), 4 students of M.Tech. (PED) and 2 Full-Time Research scholars have attended the workshop.

Finally, the program was concluded with a vote of thanks by Dr. T. Nageswara Prasad, Professor and Head of EEE department.

Photographs of the workshop:



Dr. T. Nageswara Prasad introducing the Resource Person



Mr. P. Seshasai Kumar sharing his Industrial Experience



Mr. P. Seshasai Kumar explaining the design of Fly-Back Converter



Mr. P. Seshasai Kumar explaining the design of the components of the converter

**Dr. T. Nageswara Prasad
Coordinator - Workshop**