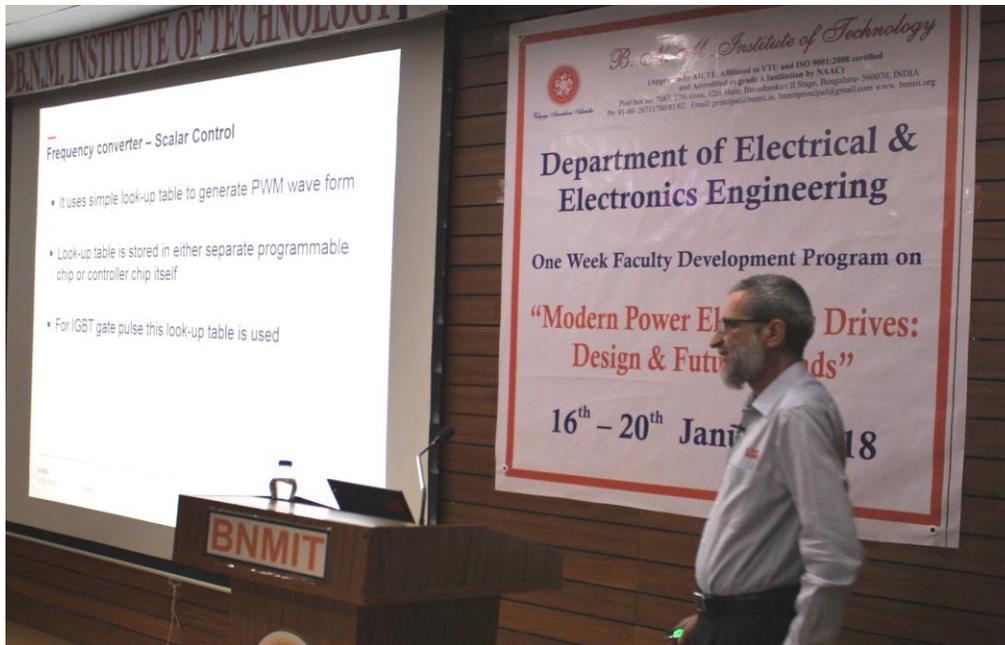


**Faculty Development Programme on “Modern Power Electronics Drives: Design & Future trends” January 16<sup>th</sup> to 20<sup>th</sup>, 2018**



**Participants with chief guest, HoD & Staff**

Electrical & Electronics Engineering Department Organized a One-Week Faculty Development Program on “Modern Power Electronic Drives: Design & Future trends” from January 16<sup>th</sup> to 20<sup>th</sup>, 2018. Dr. Uma Rao, Professor, RVCE, Bengaluru was invited to be the Chief Guest for the inauguration. During her address she has encouraged the delegates to attend more such workshops to gather knowledge as learning is a continuous process. Later Dr. Uma Rao gave a technical talk on Power Quality Issues in Drives, harmonics and their effects.



**Speaker delivering a talk during FDP**

This was followed by several class room sessions and hands –on training sessions. Dr. Pradeepa, Associate Professor, BMSCE, Bengaluru conducted hands on session on “**various control techniques for Inverters**” which was very interactive and a good experience. Mr. Syed Ahmed, Assistant Vice President, ABB, Bengaluru emphasized on “**ABB Patented Direct Torque Control and Drives Used in Industrial applications**”. Dr. Balaji, Professor, Department of EEE, DSCE, Bengaluru shared his knowledge on “**Evolution of DC & Asynchronous Drives**” stressing upon the basics, characteristics, features of drives. Prof. Venketesha.K, BNMIT, Bengaluru conducted hands on session about “**Basics of MATLAB Simulation, significance of simulators, need for mathematical models, Design of Buck, Boost and Buck-Boost converter**”. Dr. M.S.Suresh, Dean, BNMIT, Bengaluru spoke in depth on “**Batteries & Fuel cells its importance to the drive applications**”. Mr. Senthil Kumar, Fellow-Industrial Energy Division, TERI emphasized upon “**Variable speed drives, Energy Audit and Energy management**”. He also gave interesting case studies for energy saving options by using examples of cement mill etc. Mr. Sai Kiran, Scientist, CSIR-NAL, gave an informative session on “**Aircraft drives, various electrical application in avionics**” and topics for research where most interesting part of the session. Mr. Jayashankar, BOSCH has a vast experience in electric car design. He gave information regarding “**various motors and their design based on speed requirement**”. Dr. Jyoti Koujalagi, Professor & Head, Dr. AIT, Bengaluru gave information

about “**Switched Reluctance Motor and its significance compared to other motors**”. She was also the chief guest for valedictory function.

Overall, this FDP served as a great platform for participants to upgrade their knowledge in the area of Modern Power Electronic Drives: Design & Future trends.