Shifting Teaching-Learning Paradigms through Innovative Pedagogy
12 - 16 February 2020

A Short Term Training Program on "Shifting Teaching-Learning Paradigms through Innovative Pedagogy", technically sponsored by IEEE Bombay Section, was organized during 12th to 16th February 2020 in the Department of Electrical Engineering, VNIT, Nagpur, as a part of Diamond Jubilee Celebration of the Institute. It was a 5-day program having resource persons from IIT Bombay and Vidyalankar Institute of Technology, Mumbai.

Day 1: The first day of STTP started with inaugural function in the presence of Dr. Prasanna Chaprkar, Professor, IIT Bombay as the Chief Guest. Dr. Pramod M. Padole, Director, VNIT, Nagpur, and Dr. (Mrs.) Madhuri A. Chaudhari, Head, Electrical Engineering Department, were also present in the inaugural function. The coordinators of the STTP program were Dr. Arghya Mitra and Dr. Makarand S. Ballal from VNIT Nagpur. Dr. S. V. Kulkari, IIT Bombay and Dr. Saurabh Mehta, Vidyalankar Institute of Technology (VIT) Mumbai were coordinators from IEEE Bombay Section. The speaker for day 1, Prof. Prasanna Chaporkar, from IIT Bombay shared his thoughts on how teaching-learning scenario has changed over the years and how various strategies will be useful to keep students interests intact for a subject. He also discussed some points on how to structure research publications. The talk was appreciated by the participants.

Day 2: The speaker for the second day, Prof. Zakir Rather, IIT Bombay, delivered a technical talk on 'Grid Integration of Renewable Energy'. His talk involved discussion on Wind Energy, Solar Energy and their integration with the existing grid. He also discussed various grid code regulations to be kept in mind while integrating renewable energy sources. His technical talk was very well appreciated by the audience.

Day 3: On day 3, Prof. Beena Ballal and Prof. Ashish Shekhar from VIT Mumbai were present as speakers. Prof. Beena Ballal delivered a lecture on Bloom's Taxonomy, revised Bloom's Taxonomy action verbs, hierarchical structure of Bloom's Taxonomy, how it can be incorporated in preparing lesson plans, question papers, quizzes, assignments, etc. Also, guidelines for preparing a technical crossword were discussed, and a crossword activity was carried out for the participants in the morning session. Prof. Ashish Shekhar discussed about Flip Classroom concept and various pros and cons of the same by giving examples. The participants enjoyed both activities.

Day 4: The speakers for day 4 were Prof. Vibha Wali and Prof. Atul Oak from VIT, Mumbai. Prof. Vibha Wali shared her experience on education technology and use of ICT tools. She discussed various Class Assessment Techniques (CAT) tools for assessing course related knowledge and skills. An activity on how to use different CAT tools was carried out during the morning session, which received a good response from the participants. In the afternoon session, Prof. Atul Oak delivered a lecture on Problem Based Learning and

discussed how it is better than traditional learning methodologies using case studies. It was acknowledged by the participants.

Day 5: On day 5, Prof. Sandeep Wali, from VIT, Mumbai, delivered lecture on how to create your own lecture videos using different online tools. He discussed various categories of lecture videos that can be used as modern-day teaching tools such as classroom teaching videos, glass board videos, and videos including power point presentation, in the morning session. His lecture was followed by Feedback Session and Valedictory Function.