

TEQIP-III Sponsored One Week STTP on Futuristic Technology for Power System at ABB, Vadodara – jointly Organized by BVM Engineering College, ABB India Ltd., and GEC, Banswara under the Twinning Program

Duration: 10th – 14th December 2018

Program Conveners:

Dr. B R Parekh (BVM)
Prof. Abhishek Singh (GECB)
Mr. Pitamber Shivnani (ABB)

Program Coordinators:

Dr. Rashesh Mehta (BVM)
Mr. Dipanshu Naware (GECB)
Mr. HR Gujjar (ABB)

Organizing Team:

Prof. Ajay M Patel(BVM)
Prof. Ashish R Patel (BVM)
Prof. Vikram Singh (GECB)
Prof. Nitesh Kataria (GECB)
Ms. Manisha Shukla (ABB)
Mr. Harsh Ramaiya (ABB)

Report

The STTP was a first kind of its type where faculty and students of BVM Engg. College, Electrical Department were trained under the Industry Environment.

The STTP began on 10th of December 2018. Inauguration Function was presided by Principal, BVM and attended by dignitaries from ABB and BVM.



After the inauguration the first key note lecture was delivered by Mr. Akilur Rehman, ABB Bangalore. on Grids of future. He has highlighted technologies of future, especially on transmission network and electricity market.

There was a very informative session delivered by Dr. Gopal Gajjar, Power Anser Lab IIT Bombay, on Wide Area Measurement.

Dr. Urmil Parikh, Principal business manager has explained both theoretical and practical aspects on Futuristics applications on Point of wave switching of reactor, capacitor and transformer with excellent evening session.

On second day the first half was taken by Dr. Vijay Shah on Integration of Power electronics in Power system.

Afternoon session was delivered by Shanthakumar MS, Gurgaon ABB on futuristic trends on HVDC and FACTs technologies and its importance in power system.

On third day first half was delivered by Kaushik Hore, Sr. Technical Engineer ABB on protection aspects of HVDC transmission systems.

Afternoon session of third day was conducted by Nihar Raj, Sr. Manager ABB Vadodara on E mobility and Electrical Vehicles technology.

Fourth day we have gone through virtual lab of HVDC systems installed at ABB Vadodara with the help of Sr. Consultant engineer Mrs. Manisha Sukla.

Dr. Shivani Sharma has delivered talk on Renewable Technology scenario of India as well as world. She has also discussed large scale renewable integration issue to grid.

Last Day we have received wonderful talk on Microgrid and distribution automation system by Mr. Yogesh Bhambhare, ABB Vadodara and his team.

OUTCOME of the STTP

- 1) Research point of view, very good interaction was held between the faculties and Engineers of ABB Vadodara
- 2) Student project as a part of curriculum was invited and shown positive response
- 3) For up gradation of syllabus the sttp has given very good exposers of current scenario and technology.
- 4) Definitely it would be helpful for relevant subject discussion in academics.



