



Late Shri. Vishnu Waman Thakur Charitable Trust's

# VIVA INSTITUTE OF TECHNOLOGY

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**Department of Electrical Engineering**



## Report on ISTE Approved One Week Short Term Training Program on

### “Recent Trends in Electrical Engineering”

#### Organized by Electrical Engineering Department

Electrical engineering, one of the core courses of engineering discipline deals with the study of design, development, and maintenance of electrical systems and their components, ensuring quality, safety, reliability, and sustainability. Electrical engineering is rapidly growing not only within core areas such as wireless communications and mobile technologies but also in other cross-functioning areas including nanotechnology and biomedical engineering.

The world is moving towards the renewable source of energy including hydel, solar and wind power, and multi-national corporations are searching for power generation experts. The purpose of this STTP is to bring together researchers & students, academic experts, Engineers & Scientists from industry and R&D institutes to have discussions on the recent advances in Electrical Engineering. This course also provides fundamental knowledge on growing fields of renewable energy sources. Moreover, complete knowledge about the economics and implementation of renewable sources in day to day applications will be provided. Since the demand of electrical energy is growing day by day, there is need to find some alternatives like renewables to bridge the gap between supply and demand. This STTP provides comprehensive coverage of various topics from fundamentals to advanced applications.

At the end of STTP participants are able to

- To learn about different issues & challenges of smart grid.
- To understand the importance of renewable energy sources & its sustainability.
- Enhancement of knowledge of PV module installation & design.
- To get familiar with congestion management techniques.

## GUEST SPEAKERS:

<b>Sr. No</b>	<b>Name</b>	<b>Topics Delivered</b>	<b>Institution</b>	<b>Date</b>
1	Mr. Pratik Kadam	Recent Trends In Renewable Energy Management Systems & Future if power system: Smart grid and Microgrids.	Asst. Professor, Ramrao Adik Institute of Technology, Nerul	27/06/2017
2	Mr. Vijay Sonavane	Challenges in Present Power System Management & Building Sustainability: Smart Grid/ Smart City Implementation & Challenges; Renewable Energy	State Electricity Regulatory Board	28/06/2017
3	Mr. Tukaram Talande	Recent Trends in Underground Transmission System in Reliance (Mumbai Transmission) & Recent Trends in Overhead Transmission System in Reliance (Mumbai Transmission)	Reliance Infrastructure	29/06/2017
4	Mr. Mukesh Prasad	Recent Trends in 3-phase Propulsion System	Western Railway	30/06/2017
5	Mr. Jafar Khan	Overview of G.I.S	Reliance Energy	01/07/2017

All the speakers were well received by the attendees. The attendees gave very good feedback for to all the speakers. A total of 8 participants participated in the One week ISTE approved training programme.