



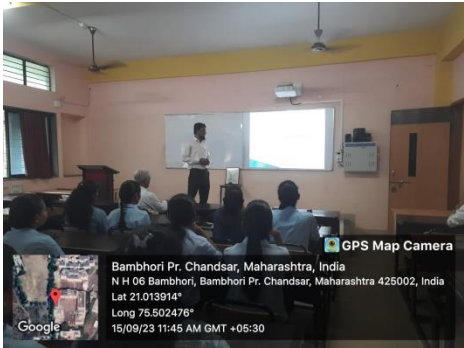



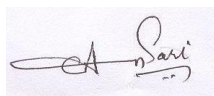
*ShramSadhana Bombay Trust's*  
**COLLEGE OF ENGINEERING AND TECHNOLOGY**  
Bambhori, Post Box No. 94, Jalgaon-425001 (M.S.)

**Department of Electrical Engineering**  
Brief Report on  
**Add-On Course on “Recent Trends in Electrical Engineering”**

<b>Title of Course</b>	<b>Add-On Course on “Recent Trends in Electrical Engineering”</b>
<b>Date and Venue/ Location</b>	<b>12<sup>th</sup> to 16<sup>th</sup> Sep. 2023 (30 Hours Duration)</b> Department of Electrical Engineering
<b>Aim/Purpose</b>	The purpose of Add-On Course to provide career oriented course and bridge the gap curriculum. The aim of the program is to disseminate knowledge about recent trends in electrical engineering for sustainable development.
<b>Objectives</b>	To provide recent trends in Distributed Generation, Power Quality issues, recent trends & challenges in power system protection for Smart Grid and application of Auto-CAD , AI and Cloud Computing & Big Data in power systems.
<b>Participants Profile</b>	This course is intended for graduate students but it is also open to senior undergraduate students. There is no official pre-requisite at the time of enrolment. However, basic knowledge of power systems, basic knowledge of computer will be helpful.
<b>Participants</b>	74
<b>Description about the program</b>	This course mainly focuses on background and fundamental building blocks of smart grid with stringent emphasis on practical applications in the existing power system network. Power quality and power system protection in smart grid. This also emphasizes on present energy sensoria and renewable energy source integration in present grids. The course also provide the knowledge of Auto-CAD, AI and Cloud Computing & Big Data in Electrical Engineering.

Outcome	<p>After successful completion of this course the student will be able to:</p> <ol style="list-style-type: none"><li>1. Understand the recent trends in electrical Engineering..</li><li>2. Understand concept and issue of power quality.</li><li>3. Understand concept of power system protection and challenges of power system protection in smart grid.</li><li>4. Understand the application of AI , Auto-CAD and Cloud Computing &amp; Big Data in electrical Engineering</li><li>5. Understand the technical and economic benefits of power factor improvement.</li><li>6. Hands on practices in operation and maintenance of On Grid PV Solar plant.</li></ol>	
Contents	Energy scenario in India, issues of power quality, Application of AI and Auto CAD and Cloud Computing & Big Data in electrical Engineering, Introduction to Smart Grid Standards for Smart Grid System Elements and Technologies of Smart Grid System , Distributed Generation Resources, Smart Grid Protection	
Photos		
		

		
<b>Permission and Contents</b>	Annexure A	
<b>Notice</b>	Annexure B ( Notice Brochure and Course Schedule)	
<b>Broacher</b>	Annexure C	
<b>Schedule</b>	Annexure D	
<b>Attendance Sheet</b>	Annexure E	
<b>Certificate</b>	Annexure F	
<b>Feedback</b>	Annexure G	



Coordinator  
M. Mujtahid Ansari



Head  
Electrical Engineering Department  
SSBT's College of Engineering  
and Technology, Bambhori ,Jalgaon