

Shram Sadhana 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”

Title of Course	Add-On Course on “Recent Trends in Electrical Engineering”
Date and Venue/ Location	18th to 22nd March 2024 (30 Hours Duration) Department of Electrical Engineering
Aim/Purpose	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.
Objectives	To provide recent trends in Distributed Generation, Power Quality issues, recent trends & challenges in power system protection for Smart Grid and application of Industrial Automation, AI and ML in power systems.
Participants Profile	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.
Participants	70
Description about the program	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 Industrial Automation, AI &ML in Electrical Engineering.

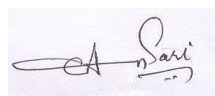
Outcome	<p>After successful completion of this course the student will be able to:</p> <ol style="list-style-type: none"> 1. Understand the recent trends in electrical Engineering. 2. Understand concept and issue of power quality. 3. Understand concept of power system protection and challenges of power system protection in smart grid. 4. Understand the application of AI & ML in electrical Engineering 5. Understand the Vision India 2047.
Contents	<p>Energy scenario in India, issues of power quality, Application of Industrial Automation, AI & ML 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</p>

Photos





Permission	Annexure A
Notice	Annexure B (Notice Brochure and Course Schedule)
Broacher	Annexure C
Schedule	Annexure D
Attendance	Annexure E
Certificate	Annexure F
Appreciation Letter	Annexure G
Feedback	Annexure H



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