

Government College of Engineering  
and  
Research, Awasari (Kh),  
Tal- Ambegaon, Dist – Pune.

## REGISTRATION FORM

One Week FDP  
on

Recent Trends in Renewable Energy Technology  
for Sustainable Development

During 5<sup>th</sup> – 9<sup>th</sup> Feb. 2018

Name: -----

Designation: -----

Institute: -----

Gender: Male / Female

Postal Address: -----

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Email Id: -----

Telephone No. -----

Mobile No. -----

Experience (Years): -----

Accommodation Required Yes / No

Signature of Applicant -----

Signature of Sponsoring Authority (With date and seal)

(Photocopies of registration form are acceptable)

## CHIEF PATRON

**Dr. A. E. Wagh**

Director, Technical Education,  
Maharashtra State, Mumbai

## PATRON

**Dr. D. R. Nandanwar**

I/C Joint Director  
Technical Education, Regional Office, Pune

## CONVENER

**Dr. A. S. Pant**

Principal  
Government College of Engineering & Research,  
Awasari (Kh).

## COURSE COORDINATOR

**Prof. S. V. Joshi**

Professor and Head,  
Department of Mechanical Engineering,  
Govt. College of Engg. & Research, Awasari

## COURSE CO-COORDINATOR

**Dr. S. V. Karmare**

Associate Professor in Mechanical Engineering,  
Govt. College of Engg. & Research, Awasari

## COURSE CO-COORDINATOR

**Prof. A. S. Mane**

Assistant Professor in Electrical Engineering  
Govt. College of Engg. & Research, Awasari



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## ORGANIZED BY

Mechanical and Electronics &  
Telecommunication Engineering Department  
Government College of Engineering and  
Research, Awasari(Kh),  
Tal- Ambegaon, Dist- Pune, 412 405.

## ORGANIZING COMMITTEE

Dr. D. R. Pangavhane      Dr. S. U. Ghumbre  
Dr. Deolukar W. N.      Dr. M. S. Nagmode  
Dr. M. R. Bongulwar      Dr. U. S. Kakade  
Shri. C. A. Suryawanshi

## ABOUT THE COLLEGE:-



Government College of Engineering & Research, Awasari (Kh), Tal- Ambegaon, Dist - Pune, has been established in August 2009 by Government of Maharashtra and is approved by All India Council for Technical Education, New Delhi. College campus is located in hilly area of a very picturesque location at a distance of 65 km from Pune, off Pune-Nashik Highway, about 30 km from Shivneri fort, Ozar and Lenyadri and 3 km from Manchar. The institute offers BE Programmes in Automobile, Civil, Computer, Electronics and Telecommunication, Instrumentation & Control and Mechanical Engineering. At present, more than 1600 students are taking education in the environment friendly campus.

## INTRODUCTION:-

Growing energy crisis arising due to mismatch in demand and supply of electricity is a major hindrance to sustain the current socio-economic growth of developing country like India. Integration of renewable energy sources like wind and solar have shown their effectiveness in achieving the aforesaid task within their limits with the adoption and development of more advanced technology and have shown road map for their prospective growth. Geographical map of India provides us tremendous potential to tap the wind energy available along the long coast line. Solar energy is almost uniformly available in most parts of the northern India. Ministry of New and Renewable Energy (MNRE), Govt. of India has taken an initiative to achieve target of 100

GW Solar energy and 60 GW Wind energy by 2022. This provides a huge opportunity to all the stakeholders and researchers working in this area.

## SCOPE AND OBJECTIVES:-

The future of energy is a key challenge of the 21<sup>st</sup> century, as demands for energy become ever larger and traditional supplies are dwindling. The prime objective of this FDP is to educate and acquaint the participants with recent developments in renewable energy research / technology especially in Solar and Wind energy systems along with energy management and Renewable Energy Status, Policies and Framework. It also aims to identify research areas in the field of renewable energy for socio-economic growth of country.

## COURSE CONTENTS:-

- Energy Scenario
- Energy Management and Conservation
- Overview of Renewable Energy Sources and Recent Developments
- Basics of Solar Energy
- Solar Thermal System
- Solar Photovoltaic Technology-Overview and Recent Developments
- Rooftop Solar PV Systems
- Wind Energy-Overview and Recent Developments
- Renewable Energy – Status, Policies and Framework

## VENUE:-

Mechanical Engineering. Department, Government College of Engineering & Research, Awasari (Kh). Tal- Ambegaon, Dist.-Pune

## IMPORTANT DATES:-

Last date for receiving the registration form:

**2<sup>nd</sup> Feb. 2018.**

Confirmation of Participants for course by Email:

**3<sup>rd</sup> Feb. 2018.**

## ELIGIBILITY:-

Teachers with specialization in any engineering stream having interest in solar and wind energy systems, working in Government / Government Aided Engineering Colleges or Government / Government Aided Polytechnics are eligible to apply.

## TADA, LODGING AND BOARDING:

TA/DA (limited to AC 3 tier Railway fare for to and fro journey) will be paid to the participants on production of journey tickets.

Accommodation, if required, will be provided in institute hostel on specific request.

Tea, Breakfast, Working Lunch and Dinner will be provided during the course.

## ADDRESS FOR CORRESPONDANCE:-

### CO-COORDINATOR

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Research, Awasari (Kh), Tal- Ambegaon,

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