



**GOVERNMENT COLLEGE OF ENGINEERING & RESEARCH,
AWASARI (Kh.), TAL. AMBEGAON, DIST. PUNE- 412 405,**

Tel No.-02133-230582

E-mail: gcoeara@gmail.com

Website- www.gcoeara.ac.in



No. GCOEARA / STTP / 2018 / 4466

Date -

To,

1 - JAN 2018

The Director / Principal,

All Engineering Colleges
in Pune Region.

Sub.: Request for deputation of teachers for One Week FDP on Recent Trends in Renewable Energy Technology for Sustainable Development

Dear Sir/Madam,

I am pleased to inform you that Mechanical Engineering Department and Electronics & Telecommunication Engineering Department of Government College of Engineering and Research, Awasari (Kh.) are jointly organizing a One Week Faculty Development Programme on "Recent Trends in Renewable Energy Technology for Sustainable Development" under the auspices of Govt. of Maharashtra, Higher and Technical Education Department scheme entitled "पदवी अभ्यासक्रमांची गुणवत्ता सुधारणे व उद्योगधंद्यांशी समन्वय साधणे" (22032662 - Quality Improvement and Industry Interaction for Degree Institutes) during 5th Feb. 2018 to 9th Feb. 2018.

Growing energy crisis arising due to mismatch in demand and supply of electricity is a major hindrance in sustaining current socio-economic growth of developing country like India. Integration of renewable energy sources like Wind and Solar have shown their effectiveness in achieving this task with the adoption and development of more advanced technology and have shown road map for their prospective growth. Ministry of New and Renewable Energy (MNRE), Govt. of India has taken an initiative to achieve a 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.

Keeping this view in mind, we are organizing a One Week FDP on "Recent Trends in Renewable Energy Technology for Sustainable Development" for teaching staff during 5th Feb. 2018 to 9th Feb. 2018. The primary objective of this FDP is to educate and acquaint 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. This program will help in improving the teaching skill of the participants by giving them a better understanding of the subject. It will also aim at identifying the research areas in the field of renewable energy for socio-economic growth of country. A detailed brochure for the same is attached herewith.

It is requested to depute at least two faculty from your esteemed Institute for the above programme. Thanking you in anticipation,

Yours sincerely,



(Dr. A. S. Pant)
Principal



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 5th – 9th Feb. 2018

Name: -----

Designation: -----

Institute: -----

Gender: Male / Female

Postal Address: -----

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



One Week FDP

on

Recent Trends in Renewable Energy Technology
for Sustainable Development

During 5th – 9th Feb. 2018



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 21st 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:

2nd Feb. 2018.

Confirmation of Participants for course by Email:

3rd 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

Dr. S. V. Karmare / Prof. A. S. Mane
Government College of Engineering and
Research, Awasari (Kh), Tal- Ambegaon,

Dist : Pune - 412405, (M.S),

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