

## **REGISTRATION FORM**

**TEQIP – IE (I) Sponsored Faculty  
Development Program  
on**

### **Solar and Wind Energy – Future Technologies**

**12-11-2018 to 24-11-2018  
(Two Weeks)**

Name:

Designation:

Department:

Academic Qualifications:

Address of College/Organization:

Address for Communication:

Mobile No:

Email:

### **Declaration by the Applicant**

The information furnished in the registration form is true to the best of my knowledge and belief. I agree to abide by the rules and regulations governing by TEQIP-FDP Program. I shall attend the program for the entire duration, if I selected.

Place:

Date:

**Signature of the applicant**

Note to the sponsoring authority:

It is mandatory that sponsored teachers, if selected, should be deputed for the course.

### **Sponsorship Certificate**

Certified that Dr./Mr/Ms. \_\_\_\_\_ is an employee of our institution since \_\_\_\_\_ and is here by sponsored for the two-week FDP on "Solar and Wind Energy - Future Technologies" at JNTUA College of Engineering, Ananthapuramu-515002, from 12<sup>th</sup> November to 24<sup>th</sup> November 2018. He / She will be permitted to attend the course without fail, if selected.

Place:

Date:

**Signature of the Sponsoring Authority with Seal**

### **Coordinator:**

**Dr. K. Hemachandra Reddy**  
Professor of Mechanical Engineering  
JNTUA College of Engineering  
Ananthapuramu, A.P., India.

### **Address for Correspondence Convener**

**Dr. B. Chandra Mohana Reddy**  
Assistant Professor &  
Head of the Mech. Engg. Dept.  
JNTUA College of Engineering  
Ananthapuramu, A.P., India.  
e-mail: cmr\_b@yahoo.com  
Mail: 07382720329, 09490738404

**TEQIP-III & IE (I) Sponsored Two  
Week Faculty Development Program  
on**

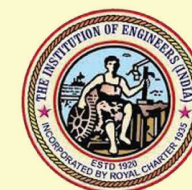
### **Solar and Wind Energy – Future Technologies**

**12-11-2018 to 24-11-2018**

*Sponsored by*

**TEQIP-III,**

The Institution of Engineers (India)



**Program Co-ordinator**

**Prof. K. Hemachandra Reddy**



**Department of Mechanical Engineering  
JNTUA College of Engineering  
(Autonomous)  
Ananthapuramu, Andhra Pradesh  
<http://www.jntuacea.ac.in>**

### About the College:

JNTUA College of Engineering, Ananthapuramu, is the constituent college under the Jawaharlal Nehru Technological University Anantapur. The College enjoys Academic, Administrative and Financial Autonomy. The College in its seven decades of existence has produced distinguished alumni, who are holding high positions, in India and abroad. Fortified with the traditional values and dedicated spirit of the staff and the students, it would rise up to any occasion or meet any challenge confidently.

### About the Department:

The Mechanical Engineering Department was established in the year 1950, offering four year B.Tech course. This Department has carved a niche for itself in the field of Mechanical Engineering Education. This department is well established and advanced research facilities are created with the aid of TEQIP, IE(I), AICTE, UGC grants. This department conducts four M.Tech Programs. The department is also offering Ph.D Programmes and has produced large number of Ph.D's.

### The City-Ananthapuramu:

Ananthapuramu is located in south-western part of Andhra Pradesh state and well connected to major cities like Hyderabad and Bengaluru by National Highway NH-44, Chennai by NH-205 and also train routes.

The nearest international airport is at Bengaluru which is 200km away from Ananthapuramu. It is very near to places of tourist interest like Lepakshi, Hampi, Belum caves and Puttaparthi.

Ananthapuramu is an important educational centre having four major Universities namely JNTU Anantapur, Central university, Sri Krishnadevaraya University and Satya Sai Deemed University, in addition to various other educational Institutions.

### Preamble of FDP

The continuous increase in the level of greenhouse gas emissions and the climb in fuel prices are the main driving forces behind efforts to more effectively utilize various sources of renewable energy. In many parts of the world, direct solar radiation and wind energy is considered to be one of the most prospective sources of energy.

The options are to develop energy storage devices, Solar Photovoltaic's and wind mills. The storage of energy in suitable forms, which can conventionally be converted into the required form, is a present day challenge to the technologists. These Renewable energy systems improves the performance and reliability of energy systems and plays an important role in conserving the energy system more cost effective by reducing the wastage of energy and capital cost.

Research in Solar and Wind Energy encompasses a broad spectrum in cost effective sustainable energy resources. This FDP is designed to give essential inputs to the faculty members in the area of principles and applications of various Solar and Wind Energy as future technologies, so as to motivate them to take up research activities in this field.

### OBJECTIVES

- To discuss the recent developments in the field of solar and wind energy resources.
- To interact with the academic and industrial experts about research scope.
- To learn the upcoming technologies using the solar and wind energy resources.
- To propagate and promote research on renewable energy resources and technologies.
- To understand the advantages and limitations of Solar and wind energy resources and their improvements.
- To know world energy future.

### RESOURCE PERSONS

Faculty Members of JNTUA, eminent academicians and researches from premier institutions like IIT's, NIT's, R & D Organizations and Industries will deliver the lectures

### ELIGIBILITY

Faculty members of Mechanical /Electrical Chemical Engineering/ Other related Departments of Engineering and Polytechnic Colleges can attend the Programme.

### ACCOMMODATION

Free boarding and lodging will be arranged for outstation participants on request in student's hostel .

### IMPORTANT DATES

Candidates shall post/e-mail the duly filled-in registration form, so as to reach the co-ordination on or before 05<sup>th</sup> Nov-2018. The selection intimation will be sent on 7<sup>th</sup> Nov 2018 through e-mail.

**Last date for Registration: 5<sup>th</sup> Nov-2018**  
**Intimation of selection: 7<sup>th</sup> Nov-2018**

**Chief Patron:** **Prof. S. Srinivas Kumar**  
Vice Chancellor, JNTUA,  
Ananthapuramu

**Patron:** **Prof. K. Prahlada Rao**, Rector  
**Prof. S. Krishnaiah**, Registrar.

**Co-Patrons:** **Prof.K. Ramanaidu**, Principal.  
**Prof. M.L.S. Deva Kumar**,  
Vice-Principal, JNTUACEA

**Convener** **Dr. B. Chandra Mohana Reddy**  
Assistant Professor &  
Head of the Mech. Engg. Dept.  
JNTUACEA