

## REGISTRATION FORM

AICTE Sponsored Two Week  
FACULTY DEVELOPMENT PROGRAMME (FDP) on  
**Innovations in Renewable Energy Harvesting  
and Environment Friendly Process  
Technologies for Sustainable Development**

23-10-2017 to 04-11-2017

Name : .....

Qualification : .....

Designation : .....

Institute /  
Organization : .....

Address : .....

Email ID : .....

Mobile : .....

Accommodation required : Yes / No

Demand Draft No. : ..... dated .....

Drawn on Bank : .....

I agree to abide by the rules of the FDP. If selected,  
I shall participate in the course for the entire duration.

Place :

Date : *Signature*

The applicant Mr. / Ms. ....

.....  
from our institution will be permitted to attend the FDP on  
"Innovations in Renewable Energy Harvesting and  
Environment Friendly Process Technologies for  
Sustainable Development" to be held from **23-10-2017  
to 04-11-2017** at RVR & JCCE, Guntur if selected. He /  
she will be granted necessary leave of absence.

Place :

Date : PRINCIPAL / DIRECTOR  
(Seal & Signature)

## ORGANIZING COMMITTEE

### Patrons

**Dr. K. Basavapurnaiah**

President, RVR & JCCE

**Sri. R. Gopala Krishna**

Secretary & Correspondent, RVR & JCCE

**Dr. M. Gopalkrishna**

Treasurer, RVR & JCCE

### Chairman

**Dr. K. Srinivasu**

Principal

### Advisory Committee :

Dr. A. Sudhakar, Dir. (R & D); Prof. & Dir. ECE

Dr. B. Raveendra Babu, Prof. in CSE; Dir. (SDC)

Dr. M. Venkateswara Rao, Prof. in ChE; Dean, Examinations

Dr. K. Ravindra, Prof. & HOD in ME; Dean, Academics

Dr. K. Srinivas, Prof. in ME; Dean, Student Affairs

Dr. G.S. Prasad, Prof. in CSE; Dean, Training & Placement

Dr. N.V. Srinivasa Rao, Registrar

### Co-ordinator :

Dr. C.V. Subrahmanyam

Professor & Head, Dept. of Chemical Engineering

### Members :

Dr. K. Ramesh Chandra

Dr. D.N.V. Satyanarayana

Dr. P. Rohinikumar

Sri D. Kamalakar

Smt. J. L. Jayanthi

Sri K. Siva Prasada Rao

Smt. M. Sudheera

### Address for Communication :

**Dr. C.V. Subrahmanyam** (Co-ordinator)

Professor & Head

Department of Chemical Engineering

RVR & JC College of Engineering (A)

Chandramoulipuram :: Chowdavaram

GUNTUR - 522 019 :: Andhra Pradesh

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AICTE Sponsored

Two Week

FACULTY DEVELOPMENT PROGRAMME

on

**Innovations in Renewable Energy  
Harvesting and Environment  
Friendly Process Technologies  
for Sustainable Development**

23-10-2017 to 04-11-2017



Organized by

**DEPARTMENT OF CHEMICAL ENGINEERING  
R.V.R. & J.C. COLLEGE OF ENGINEERING**

NAAC 'A' Grade (Autonomous)

Chandramoulipuram, Chowdavaram,  
GUNTUR - 522 019, Andhra Pradesh, India

Website: www.rvrjce.ac.in

## OBJECTIVE

Energy is essential for the society to serve the human needs and for productive purpose. Fossil fuels highly contribute to air, water & soil pollution, and produce greenhouse gases leading to the global warming. Serious thought needs to be accorded to evaluate the economic competitiveness of all available renewable energy sources against background of the following three main parameters. These relate to: a) an increasing gap between the demand and supply of conventional power, b) accompanying transmission & distribution losses and c) importantly, the climate change. Sustainability aims to conserve energy and natural resources, and to ensure that they have minimal impact on the environment and society. It targets at fulfilling the needs of the present generation without compromising the requirements of future generations.

This Faculty Development Programme (FDP) addresses the recent developments of Renewable energy, like Solar energy, Wind energy, Geothermal energy, Hydro-electricity, Bio-fuels, Tidal power, etc., Fuel cell technology, Storage of Energy, innovative processes for zero emission, optimization of energy usage and by-product utilization. This FDP also provides an overall view of the Sustainability through various methodologies and its application in improving the eco-efficiency. Simulation of the harvesting and distribution systems also shall be discussed to make the participants learn the modern tools being used in the virtual environment.

## ABOUT THE COLLEGE

The Rayapati Venkata Ranga Rao & Jagarlamudi Chandramouli (RVR&JC) College of Engineering (A), Guntur is a pioneer and well-known for its discipline and dexterity in the field of Engineering Education. It was promoted by a philanthropic group of individuals under Nagarjuna Education Society, Guntur in the year 1985. The promoters of the College have pursued their mission with such a zeal and understanding that the College had over-taken the older Colleges quantitatively and qualitatively. Today, it is a most sought after institution offering 7 B.Tech. and 6 M.Tech. programmes in Engineering, as well as MCA & MBA programmes.

### Its credentials are :

- The first Engineering College in the state accredited by NBA for Five times in 1998, 2002, 2007, 2012 & 2017.
- 2<sup>nd</sup> best among the private Engineering Colleges in the state and 4<sup>th</sup> best amongst all Colleges inclusive of the University Colleges in Andhra Pradesh state.

- Only Engineering College in the entire state to have **Chemical Engineering programme accredited for 5 years in 2012 by NBA.**
- Consistently figured among the top 100 Engineering Colleges in the country.
- **Best performing college** among all the affiliated colleges of Acharya Nagarjuna University.
- Graded as AAA by Careers 360 magazine in May, 2013.

## ABOUT THE DEPARTMENT

The Department of Chemical Engineering was established in the year 1996 and presently offers 4-year B.Tech. programme in Chemical Engineering with 60 intake. The programme is approved by AICTE and Accredited Thrice (**Five years in 2012**) by National Board of Accreditation (NBA), New Delhi. The Department has the state-of-art equipment necessary for curricular needs. All the laboratories are fully equipped with latest equipment and advanced software packages such as TSPL, ASPEN plus University Package, etc.

### Its Achievements are :

- IICHe RVR & JCCE Student Chapter has been bestowed with
- ✓ Ambuja's Best Student Chapter Awards – I prize for academic year 2011, and II prize for academic year 2012.
- ✓ Pedilite Industries Best Student Chapter Award for the academic years 2015 & 2016.

## THEMES

- ☆ Opportunities for Alternative Energy & Fuels.
- ☆ Solar Photovoltaic and Thermal Energy.
- ☆ Wind Energy.
- ☆ Bio mass energy.
- ☆ Hydro-electric and Micro Hydel power.
- ☆ Integrated Rural Energy.
- ☆ Photovoltaic Materials, Devices and Modules.
- ☆ Geothermal energy.
- ☆ High Capacity Power Converters for RE Applications.
- ☆ Renewable Energy: Modelling & Design.
- ☆ Alternative fuel vehicles.

- ☆ Fuel cells.
- ☆ Nanotechnology in energy systems.
- ☆ Eco-Friendly Products.
- ☆ Green / Zero emission Technologies.
- ☆ Simulation for sustainable production / manufacturing.
- ☆ Combating climate change through Carbon Capture and Storage.

## RESOURCE PERSONS

Leading academicians from IITs / NITs / Universities, renowned Engineering Colleges and Scientists will deliver lectures and discuss industrial case studies. Eminent Industry experts will also share their experiences. Field visits to the participants shall be arranged to have hands-on experience in the Renewable Energy.

## ELIGIBILITY / HOW TO APPLY

This FDP program is open to all the faculty from AICTE approved Institutions, IIT's, NIT's and scientists from research labs, etc. Interested participants can send their registration form along with DD to the Co-coordinator. The DD should be drawn in favor of '*Principal, RVR & JC College of Engineering (A)*' payable at Andhra Bank, Chowdavaram, Guntur. In addition, practicing engineers from industries and other interested persons can participate on payment basis as under.

## REGISTRATION FEE

Faculty\* : Rs. 1,000/- (Refundable)

Industrial Persons : Rs. 2,000/- (Non-Refundable)

\* Refundable to those faculty members who have successfully completed the FDP.

## ACCOMMODATION

College hostel accommodation will be provided at free of cost to all outstation participants. The participants have to request in advance along with the registration form for such accommodation.

## IMPORTANT DATES

Last date for receipt of application : 15<sup>th</sup> October 2017

Intimation to participants : 17<sup>th</sup> October 2017