

## About the Institution

N.B.K.R. Institute of Science & Technology, Sponsored by Harijana Vidyarthi Udharaka Sangam (HVUS), Vakadu, founded by Padmasri Nedurumalli Balakrishna Reddy, was established in 1979. The Institute is located in a sprawling 185 acre site on the bank of the river Swarnamukhi at Vidyanagar, Nellore District, Andhra Pradesh. The Institution is about 135 km from Chennai and 95 km from Tirupati. Vidyanagar is located 18kms from Chennai-Kolkata High way. Gudur Junction is the nearest railway station (25km).

The Institution is approved by AICTE and all B.Tech. Programs have been Accredited by NBA under Tier-I. The institution has got autonomous status from the academic year 2013-2014. The Institute is an ISO 9001-2008 Certified one. Also the Institute has been re-accredited by NAAC (UGC) with 'A' Grade.

The Institute offers B.Tech Courses in Civil Engg., Electrical & Electronics Engg., Electronics & Communication Engg., Information Technology, Mechanical Engg., Computer Science & Engg., & M.Tech. Courses in Power Systems, Computer Science & Engineering, Digital Electronics & Communication Systems and Advanced Manufacturing Systems.

The Institute has comprehensive facilities needed for top class Engineering Education. All the Computer Centers in the campus are connected with Optical Fiber network LAN and campus is wi-fi enabled Internet facility round the clock

The Library has a stock of about 39786 text books and more than 122 National and International Journals and has computerized Library information and Xerographic facilities. A Digital Library consisting of CD's of Lectures given by eminent Professors of I.I.T's and NPTEL learning material are made available to students to complement the classroom teaching opening up avenues to enrich their knowledge in innovative ways. The Institute also has IEEE, IETE, ISTE and CSI chapters.

## About the Department

The department of EEE was started in the year 1981. The Department offers B.Tech in Electrical and Electronics Engineering and M.Tech in Power systems. The curriculum is designed keeping in view the current trends in the field of Electrical and Electronics Engineering. The Department is accredited by NBA under Tier-I. The thrust areas of research include DSP controllers, wind energy systems, micro grid systems, distributed energy system.

## About the Faculty Development Program

The objective of this faculty development programme is to provide exposure to faculty members, practicing engineers, and students to the concepts of Recent Advances in Renewable Energy Technologies. The crises of energy have forced to the developing countries like India to develop new and alternative methods of power generation. The integration of renewable energy sources like wind and solar have shown their effectiveness in achieving the aforesaid targets within their limits with the adoption and development of more advanced technology and have shown road map for their prospective growth. The geographical map of India provides us tremendous potential to tap the wind energy available along the long coast line and solar energy is almost uniformly available in most of the parts of the northern India. The initiatives taken by the Ministry of New and Renewable Energy (MNRE) to achieve the target of solar energy is 100 GW and wind energy is 60 GW out of 175 GW from renewable energy by 2022, which provides a huge opportunity to all the stakeholders working in this area.

### Eligibility

The FDP is open to all the faculty members/Research Scholars/P.G Students from AICTE approved engineering colleges.

### Resource Persons

1. **Dr. Siva Kumar K**  
Dept. of Electrical Engg., IIT Hyderabad
2. **Dr. M. Chandrasekhar Yammani**  
Dept. of Electrical Engg., NIT Warangal
3. **Dr. Sankar Peddapati**  
Shri Vishnu Engg. College for Women,
4. **Sri Ramakumar MP**  
(Former scientist DRDL / RCIO Hyderabad)  
Technical Consultant

### Workshop Topics

- Renewable energy resources in power systems
- Optimal placement and sizing of Distributed energy resources using meta-heuristic techniques
- smart grid-need of distributed generation in smart grids
- Modelling of DGs in power systems and its placement
- Application of Optimization Techniques for MPPT in PV systems under Partial Shading Conditions
- Renewable Energy Policies

## Registration

- Registration fee **Rs. 1000/-**(Academicians) & **Rs. 500/-** (PG Students and Research Scholars) to be paid at the time of registration.
- Number of participants is limited.
- Interested participants shall submit the duly filled-in Registration form via E-mail **eeenbkr@gmail.com**

### Accommodation

Lodging and Boarding will be arranged in the college hostels free of cost on prior request.

### Important Dates

**Last date for Registration : 23<sup>th</sup> June, 2017**  
**Intimation of Acceptance : 24<sup>th</sup> June, 2017**

## Organizing Committee

1. Dr. N. Usha
2. Sri. E. Vinod Arun Kumar
3. Sri. M. Sankaraiah
3. Smt. P. Dhana Selvi
4. Sri. SK. Manjoor Ahamad
5. Sri. R. Ramprasad
6. Sri. U. Ramesh Babu
7. Smt. S.D.S. Bhagyamma
8. Sri. V. Pardha Saradhi
9. Sri. N. Manoj Kumar
10. Sri. G. Vijay Krishna
11. Sri. K. Sudheer
12. Sri. O. Felix
13. Sri. T. Mabu Subhani
14. Sri. SD. Munvar Ali
15. Sri. P. Ashok Kumar
16. Sri. P. Srihari
17. Sri. K.V. Thulasi Ram
18. Sri. P. M.S Reddy
19. Smt. J. Charishma
20. Ms. Y. Kavyasree
21. Sri. N. Ram Mohan

**APPLICATION FORM**

One week Faculty Development Program (FDP)  
on  
“Advances in Renewable Energy Sources”  
(27<sup>th</sup> June – 02<sup>nd</sup> July, 2017)

Name : \_\_\_\_\_

Designation : \_\_\_\_\_

Qualification : \_\_\_\_\_

Department : \_\_\_\_\_

Organization : \_\_\_\_\_

Mobile No. : \_\_\_\_\_

E-mail : \_\_\_\_\_

Address for Communication

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

*Signature of Applicant*

Place:

Date:

*Signature of the Sponsoring  
Authority with seal*

**Chief Patron**

*Sri Nedurumalli Ram Kumar*  
**Correspondent**

*Dr. I. Gopal Reddy*  
**Chairman, NBKRIST**

**Patron**

*Dr. V. Vijaya Kumar Reddy*  
**Director**

**Advisory Committee**

**Dr. R. Sreerama Kumar**  
Professor, KA Univesity, Saudi Arabia

**Dr. M. Sydulu**  
Professor, NIT, Warangal

**Dr. DVSS Siva Sarma**  
Professor, NIT, Warangal

**Dr. M. Sailaja Kumari**  
Associate Professor, NIT, Warangal

**Dr. S. Ashok**  
Professor, NIT, Calicut

**Dr. V. Sankar**  
Professor, JNTUA, Anantapuramu

**Dr. M. Vijaya Kumar**  
Professor, JNTUA, Anantapuramu

**Dr. M. Damodar Reddy**  
Professor, S.V. University, Tirupati

**Dr. S.V. Jayaram Kumar**  
Professor, GRIET, Hyderabad

One week Faculty Development Program  
(FDP) on  
“Advances in Renewable Energy Sources ”  
(27<sup>th</sup> June – 02<sup>nd</sup> July, 2017)



**CONVENER**

*Dr. S. Suresh Reddy*  
Prof. & Head, Dept. of EEE

**CO-ORDINATORS**

*Dr. I. Prabhakar Reddy*  
*Dr. P. Ramesh*

**ORGANIZED  
BY**

**DEPARTMENT  
OF  
ELECTRICAL AND ELECTRONICS ENGINEERING**

**N.B.K.R.INSTITUTE OF SCIENCE AND TECHNOLOGY  
(AUTONOMOUS)**

Approved by AICTE: Affiliated to JNTUA, Anantapuramu

**Re-Accredited by NAAC (UGC) with ‘A’ Grade  
B.Tech. courses (ECE, EEE, CSE, CE & ME)**

**Accredited by NBA under Tier-I**

**An ISO 9001-2008 Certified Institution**

**VIDYANAGAR-524 413, S.P.S.R.Nellore Dt., A.P.**

**e-mail : ist@nbkrist.org, website : www.nbkrist.org**