



**KKR & KSR INSTITUTE OF TECHNOLOGY & SCIENCES**  
Accredited by NAAC with 'A' Grade

(Approved by AICTE, Affiliated to JNTUK, Kakinada)  
VINJANAMPADU, GUNTUR, ANDHRA PRADESH - 522017.

A Three - Day Faculty Development Programme on  
"Real Time control of Solar Inverters with DSPACE & DSP"

13th-15th November, 2017

**REGISTRATION FORM**

- Name: \_\_\_\_\_
- Designation: \_\_\_\_\_
- Educational Qualification: \_\_\_\_\_
- Name of the Institute: \_\_\_\_\_
- Professional Experience: \_\_\_\_\_
- Areas of Interest: \_\_\_\_\_
- Address for Communication: \_\_\_\_\_
- Phone: \_\_\_\_\_
- E-mail: \_\_\_\_\_
- Accommodation Assistance Required :  
(YES/ NO)

**Declaration**

The information provided is true to the best of my knowledge if selected, I agree to abide by the rules and regulations of the Programme.

Place: \_\_\_\_\_  
Date: \_\_\_\_\_

Signature of the Applicant

**ABOUT THE INSTITUTE**

KKR & KSR Institute of Technology & Sciences (KITS) was established in the year 2008, by GSR & KKR EDUCATIONAL SOCIETY in Vinjanampadu village, Vatticherukuru Mandal of Guntur District. It is accredited by NAAC with A Grade, approved by AICTE, New Delhi and affiliated to JNTUK, Kakinada. The institute offers Undergraduate programmes in the Departments of Electrical and Electronics Engineering (EEE), Computer Science and Engineering (CSE), Electronics and Communications Engineering (ECE), Civil Engineering (CE) and Mechanical Engineering. It also offers PG Programmes in MBA, M.Tech(CSE), M.Tech(VLSI), M.Tech(PE&D), M.Tech(DECs).

**ABOUT DEPARTMENT OF EEE**

The Department of Electrical and Electronics Engineering was established in the year 2008. The department has been actively engaged in teaching and research in diverse fields of Electrical and Electronics Engineering. It offers B.Tech in EEE with an intake of 60 students and M. Tech in Power Electronics and Drives with an intake of 18 students. The department of EEE has adequate and well-qualified faculty spanning all major areas of Electrical Engineering. Apart from regular academics, the Department Association organizes activities such as Quiz, Group discussions, just a minute sessions, mock interviews, reasoning and aptitude tests etc to encourage and motivate students to achieve their goals. The Department also encourages the students to involve in

**ABOUT THE PROGRAMME**

Solar energy is the fastest growing renewable energy market which will meet the energy demand across the globe. A solar inverter converts the variable output (DC) of a photovoltaic solar panel into a utility frequency alternating current (AC) that can be fed into a commercial electrical grid or used by a local, off-grid electrical network. There are many types of controllers employed in the implementation of PWM techniques for generating and regulating output of inverters. Some of the controllers include DSP, DSPACE. This FDP provides detailed information regarding real time control of Solar inverters using DSPACE and DSP controllers. This FDP also provides a real time example related to solar inverters.

Chief Patrons  
**Sri. K. Subba Rao**

Chairman

**Sri. K. Sekhar**

Secretary

Patron

**Dr. P. Babu**

Principal

Organising Committee

**Dr. M. Amarendra**

Convener, HOD EEE Dept.

**Prof. T. Srinivasa Rao**

Professor & Dean EEE Dept.

**Mr. Y. Rajesh Babu**

Co-ordinator Asst. Professor EEE Dept.

**Mr. K. Sarath Bhushan**

Asst. Professor, EEE Dept.

**Mr. K. Ravi Kumar**

Asst. Professor, EEE Dept.

**Mr. D. Subba Rao**

Asst. Professor, EEE Dept.

**Mr. S. Mallikarjuna Rao**

Asst. Professor, EEE Dept.

**Mrs. A. Jyothirmaye**

Asst. Professor, EEE Dept.

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**Mr. S. Venkatesh**

Asst. Professor, EEE Dept.

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Asst. Professor, EEE Dept.

**Mr. O. Hima Kiran Kumar**

Asst. Professor, EEE Dept.

**Mr. P. Siva Kumar**

Asst. Professor, EEE Dept.

**Mr. P. Subhani Khan**

Asst. Professor, EEE Dept.

**Mr. D. Sambasiva Rao**

Asst. Professor, EEE Dept.

**Mr. P. Chandra Satish**

Asst. Professor, EEE Dept.

**Mr. M. Naveen Kumar**

Asst. Professor, EEE Dept.

Contact Information

**Mr. Y. Rajesh Babu**

Ph : 9949496939

E-mail: [fdpeekits@gmail.com](mailto:fdpeekits@gmail.com)

**RESOURCE PERSONS**

- Dr.G.Siva kumar**,  
National Institute of Technology, Warangal
- Dr.R. Raghavendra Reddy**,  
Sir.CR Reddy Engineering College,Eluru
- Mr. Pavan Hiremath**  
Engineer,Dynafusion, Bangalore
- Mr.K.Pandy Chowdary**  
Engineer,PRDC, Bangalore
- Mr.Siva Kumar**  
Engineer, ORB Energy, Bangalore

**TOPICS TO BE COVERED**

- Power Electronics in Solar PV Systems
- Phase Controlled Converters and PWM Converters
- Applications of DSP, DSPACE For realtime implementation of Power Electronic Systems and Drives.
- Design steps for Solar PV Systems
- Building Integrated PV System
- MI - Power Software implementation for Solar Systems
- 100 KW Grid Integrated DG Solar Power Plant visit.

**ELIGIBILITY**

The program is open to Faculty members, Industrial persons, M.Tech and research students of engineering colleges working in the concerned / allied areas of Engineering.

**REGISTRATION PARTICULARS**

Application in the prescribed format duly signed by the Head of the Institution should reach the co-convener on or before 11.11.2017. The soft copy of application (scanned copy) can also be sent to the co-Ordinator.

\*Spot registration is also allowed.

**A THREE DAY FACULTY DEVELOPMENT PROGRAMME**

on

**"Real Time control of Solar Inverters with DSPACE & DSP"**

13th - 15th November 2017



Organized by

**DEPARTMENT OF Electrical and Electronics Engineering**



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Ph : 0863 - 2286666/77/88

[www.kitsguntur.ac.in](http://www.kitsguntur.ac.in)

**REGISTRATION FEE**

For Academicians & Industry Persons

Registration Fee : Rs.500/-

For Research Scholar & PG Students

Registration Fees: Rs.300/-

\*Fee will be collected at the time of registration.

**IMPORTANT INFORMATION**

Last date of receiving applications for

participation : 11th November 2017

Duration of the FDP :

Three Days (13th - 15th Nov 2017)

**ACCOMMODATION**

Accommodation will be provided to the external participants on payment basis with prior request.

\*NO TA/DA WILL BE PAID TO THE PARTICIPANTS.

**SPONSORSHIP CERTIFICATE**

Mr./Mrs./Ms.-----, is an employee of our Institute and is hereby sponsored to participate in Three-Day Faculty Development Programme on "Real Time control of Solar Inverters with DSPACE & DSP" on 13th - 15th November, 2017 at KKR & KSR Institute Of Technology & Sciences (KITS), Guntur.

Place:

Date:

Signature of Head of the Institution  
(With seal)