

**GOVERNMENT OF TELANGANA**

**OFFICE OF THE  
COMMISSIONER OF TECHNICAL EDUCATION  
TELANGANA : HYDERABAD**

Cir. Memo. No. T1/Staff Training/2014

Dt:-08-11-2017

Sub:- TECHNICAL EDUCATION – Invitation for AICTE Sponsored  
Two Weeks Faculty Development Programme –  
nominations called for - Reg.

Ref:- The mail received from Dr. S. Venkateshwarlu, Professor  
& Head of EEE, CVR College of Engineering, Vastunagar,  
Mangalpally, Ibrahimpatnam, R.R. Dist-501510.

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While enclosing the reference cited, the Principals under the control of this department informed that AICTE Sponsored Two Weeks Faculty Development Programme is being conducted on "**Applications of Power Electronics in Renewable Energy Systems (APERES)**" from **20<sup>th</sup> November to 4<sup>th</sup> December 2017** at **CVR College of Engineering, Ibrahimpatnam, R.R. Dist - 501510.**

In this connection, the Principals of Govt. Polytechnics of Telangana State are informed to propose names of faculty members who have not completed required training programme for Career Advancement Scheme (CAS) and requested to inform the lecturers to send directly the scanned copy of registration from duly signed and stamped by the Principal of College to **Mr. Ch. Lokeshwar Reddy, Associate Professor, mail ID: [reddy.lokeshwar@gmail.com](mailto:reddy.lokeshwar@gmail.com), Last date for Registration : 10<sup>th</sup> November 2017** to take further action in the matter.

Encl: As above

Yours faithfully,  
Sd/- U.V.S.N.MURTHY  
For COMMISSIONER

To

The Principals of Government Polytechnics under the control of this Department of Telangana State.

Copy to the Secretary, SBTET, TS, Hyderabad for information.

Copy to the RJD, TE Hyderabad for information.

Copy to Dr. S. Venkateshwarlu, Professor & Head of EEE,  
CVR College of Engineering, Vastunagar, Mangalpally,  
Ibrahimpatnam, R.R. Dist-501510.

Copy to Stock File/Spare.

//F.B.O//

*B. Vinod*  
SUPERINTENDENT  
19/11/17 09/11/17

APPLICATIONS OF POWER ELECTRONICS IN  
RENEWABLE ENERGY SYSTEMS  
(APERES)

Sponsored by AICTE, New Delhi  
20th November to 4th December, 2017

**REGISTRATION FORM**

Name: .....

Designation: .....

Department: .....

Educational Qualifications: .....

Institution: .....

Affiliating University: .....

Address for Communication: .....

.....

.....

Mobile: .....

E-mail ID: .....

Fee Paid:.....

DD details: No. .... Bank:.....

Place: ..... Signature: .....

**Sponsorship Certificate**

Ms./Mr./Dr. \_\_\_\_\_ is a bonafide full  
time teacher of \_\_\_\_\_

He / She is  
sponsored to attend the Faculty Development Programme on  
'Applications of Power Electronics in Renewable Energy  
Systems" during 20th Nov – 4th Dec, 2017.

**Eligibility for participation:**

Faculty and PG students from AICTE approved institutions,  
Researchers and industry persons are eligible to participate.

**Registration Fee: Rs. 500.00(Refundable)**

**Last date for Registration: 10-11-2017**

- Registration fee is to be paid by DD drawn in favor of Principal, CVR College Engineering, Payable at SBI, Amberpet, Hyderabad.
- Accommodation to the participants can be provided on first come first serve basis.
- Scanned copy of registration form duly signed and stamped by the Principal of college should be sent to Mr. Ch. Lokeshwar Reddy, Mob: 9791114325, email: reddy.lokeshwar@gmail.com
- Registration form is also available for download at <http://cvr.ac.in>
- Tea, snacks and lunch will be provided at the venue on all days of the programme.
- The college operates 60 exclusive buses, which connect Campus. Details of the bus routes are given in the website <http://cvr.ac.in>
- TA / DA to outstation (outside Hyderabad) participants will be paid as per AICTE regulations. It is imperative that bus / train tickets are to be submitted for claiming TA. Train travel is restricted to travel by Sleeper Class only.

**Target Audience**

The course is intended for faculty, PG students of engineering institutions, practicing engineers and researchers from industry, utility and other organizations who pursue research in Electrical and Electronics Engineering.



AICTE Sponsored Two Week  
Faculty Development Programme

on

Applications of Power Electronics  
in Renewable Energy Systems  
(APERES)

20<sup>th</sup> November to 4<sup>th</sup> December, 2017

Organized By  
Department of  
Electrical & Electronics Engineering



**CVR COLLEGE OF ENGINEERING**  
UGC Autonomous Institution - Affiliated to JNTUH-NAAC 'A' Grade  
( UG EEE Accredited by NBA under 'Tier-1' )  
Vasunagar, Mangalpalli(V), Ibrahimpatnam (M), RR Dist, PIN: 501 510.  
Phone: 08414-252547  
Mobile: 9885994857, 9701114325  
Email: [hod\\_eee@cvr.ac.in](mailto:hod_eee@cvr.ac.in)  
<http://cvr.ac.in>

## About the Institution

CVR College of Engineering (A UGC Autonomous Institution) was established in the year 2001, and its Thirteenth batch of students graduated from the College. This college is on a roll with the recent NIRF ranking within the top 4 colleges in the state of Telangana, followed by record placements and now with the setting up of a new Apple lab.

The college has many accomplishments and to name a few, it obtained NBA Tier - 1 accreditation for four UG programs, NAAC 'A' grade, UGC autonomous status, National Employability Award for sixth year in a row and got a very high rating by several ranking agencies including the most recent Education World ranking of third best college in Telangana and Outlook magazine rating CVR one among the top 100 colleges in the country. Placements at the college continue to create a record year after year with average salary going up to a record Rs. 3.90 Lakhs and a record 20 students getting offers of above Rs. 10Lakhs and another 160+ students above Rs. 4 Lakhs with a total of about 610 job offers. 10 students have offers of Rs. 16Lakhs, which is the highest. CVR has made huge progress in a short span of time and will be preferred by the students and parents among the top 4 colleges in the state during the EAMCET counseling this year.

## Department of Electrical & Electronics Engineering

The Department was started in the year 2001 with an intake of 40 and at present intake is 120. Dr. S. Venkateshwarlu is heading the Department since November 2013. The Department has nine state-of-art laboratories with an investment of more than 2 crores. The department got NBA accreditation in 2007, 2013 and re-accredited in 2016 under Tier-I. The M. Tech program in Electrical Power Engineering was started in the year 2010. The Department has a Technical Association (ELECTROCRUISE) which organizes various technical workshops, training programs and community outreach activities every year on regular basis. The department has 31 faculty, of which 6 are doctorates and 13 are pursuing Ph. D. Apart from accomplished faculty, it has state-of-the-art laboratory facilities for supplementing the course curriculum. It has PSCAD, MATLAB and PSICE software. Transmission line simulators and Power Analyzers. The department actively involves in teaching and research activities. It took active role in the installation of 360 kWp solar power plant in the campus. More than 60% of power requirement of the college is met by this ecofriendly source.

## Power Electronics FDP

Power Electronics technology has gone through dynamic evolution in the last few decades. Its applications are fast expanding in industrial, commercial, residential, transportation, utility, aerospace, and military environments. Power Electronics and the automatic control are important in decentralized generation of electric power by innovative wind power plants, photovoltaic cells or in the use of fuel cells. Power electronics plays significant role in harvesting power from renewable energy sources.

The two week Faculty Development Programme (FDP) on Applications of Power Electronics in Renewable Energy Systems, Sponsored by AICTE, New Delhi is being arranged keeping in view the objective of the AICTE. The FDP would focus on providing inputs in the following areas for personal development of the teachers.

- # Power Electronics in Solar PV Systems
- # Switched Mode Rectifiers
- # Phase Controlled converters and PWM converters
- # DC-DC Converters, Inverters, Multilevel Inverters
- # Applications of Microcontrollers, DSP, FPGA, DSPICE for real time implementation of Power Electronic Systems and Drives
- # Design steps for solar PV systems
- # Building integrated PV system
- # Research challenges in Grid feeding solar PV inverters
- # Integrated converters for Micro Grid applications
- # Simulation Techniques in Power Electronics
- # DTC and Vector control of Induction Motor Drive
- # Vector control of PMSM, SRM and BLDC Drives
- # Power Electronics in Wind energy systems

## Resource persons

Dr. Kishore Chatterjee	IIT Bombay
Dr. Sandeep Anand	IIT Kanpur
Dr. M.Sydulu	NIT Warangal
Dr. PVN Prasad	OUCE
Dr. V. T. Somasekhar	NIT Warangal
Dr. K. Shiva Kumar	IIT Hyderabad
Dr. Sachin Jain	NIT Warangal
Dr. Seshadri Sravan	IIT Hyderabad
Dr. A. Jayalakshmi	JNTUH
Dr. Bhaskar	JNTUH
Dr. B. Manglu	OUCE
Dr. P. Satish Kumar	OUCE
Dr. Durga Sukumar (VITSH)	IIT Roorkee
Dr. Ranaprabha	SSNCE, Chennai
Dr. G. Yesurathnam	OUCE
Dr. N. N. V. Surendra Babu	CVRCE (IIT Bombay)
Dr. Anand Babu (VITSV)	IIT Bombay

## Chief Patron

Dr. Raghava V. Cherabuddi, Chairman

## Patrons

Dr. C. Madhusudana Reddy, Advisor  
Dr. K. RamaSastri, Director  
Dr. K. S. Nayanathara, Principal

## FDP Coordinator

Dr. S. Venkateshwarlu, Professor & Head of EEE  
Mob: 9490749568, e-mail: svip123@gmail.com

## FDP Co-Coordinator

Mrs. R. Naveena Bhargavi, Associate Professor  
Mob: 9885994857, e-mail: bhargavi.m5@gmail.com  
Mr. Ch. Lokeshwar Reddy, Associate Professor  
Mob: 9701114325, e-mail: reddy.lokeshwar@gmail.com  
Mr. G. Manohar, Associate Professor  
Mob: 9440486972, e-mail: manohar.gangikunta@gmail.com

## Advisory Committee

Dr. N. N. V. Surendra Babu Professor  
Dr. G. Sree Lakshmi Professor  
Dr. Sharath Associate Professor  
Mr. B. Kalyana Chakravarthy Associate Professor  
Mr. P. Rajesh Kumar Associate Professor  
Dr. D. Koteswar Raju Associate Professor  
Mr. P. Vinod Kumar Associate Professor  
Dr. P. Vijay Associate Professor

## Organizing Committee

Mr. Rajib Kumar Kar Sr. Asst. Professor  
Mrs. V. Vimala Devi Sr. Asst. Professor  
Mr. G. Janardhan Assistant Professor  
Mr. K. Suman Assistant Professor  
Mrs. M. Rajitha Assistant Professor  
Mr. D. Sreenadh Reddy Assistant Professor  
Mrs. Ch. Shravani Assistant Professor  
Mr. M. Apparao Assistant Professor  
Mrs. K. Deepika Assistant Professor  
Mr. R. Haisha Vardhan Assistant Professor  
Mr. M. Suresh Assistant Professor  
Mr. KSV. Phani Kumar Assistant Professor  
Mrs. G. Sri devi Assistant Professor  
Mrs. V. Sarada Assistant Professor  
Mrs. K. Navya Assistant Professor  
Ms. M. Amami Assistant Professor  
Mr. T. Murali Krishna Assistant Professor  
Mrs. G. Sravani Assistant Professor  
Mrs. G. Divya Assistant Professor