



Jawaharlal Nehru Technological University formed in 1972 is a teaching cum research oriented university consisting of the constituent and affiliated colleges. An Entrepreneurship Development Cell (EDC) was established by the Department of Science and Technology to create a business-oriented environment, to promote small and Medium Enterprises (SME's) and NGO's to organize lectures. To get a hands-on experience of the industry, the JNTU Bureau of Industrial Consultancy Services (BICS) WAS FORMED TO AID IN THE Human Resource needs, to identify R&D developments, to engage in entrepreneurial opportunities and to Coordinate with organizations like HUDA, APSEB, BHEL, NTPC, ONGC, Airport Authority of India and many others. Even though Research constitutes the academic framework, the university has an exclusive R&D cell which monitors all the research activities and coordinates them through the recommendations of faculty members, Bringing the spark of knowledge to young minds, and instilling a new confidence and vigor to face the world, it is providing quality education for nearly 4 decades.

ABOUT THE DEPARTMENT:

The Department of Electrical Engineering was established in 1965 in the Nagarjuna Sagar Engineering college at Masab tank Campus. Later it was re-established in 1979 for offering

B.Tech. Four year degree course. It also offers full time and part time PG courses. The department of EEE, JNTUHCEH and GE Energy has signed an MOU for conducting a three year M.Tech programme. The department has undertaken many R&D projects sponsored by MHRD and AICTE. Faculty members in the department are actively involved in research and consultancy services. Students performance in the campus placement is encouraging.

COURSE CONTENTS:

- Introduction to LabVIEW
- Introduction to Data Acquisition and Real Time Control using LabVIEW
- Data Acquisition for Electrical Machines and Power Systems
- Closed and Open Loop Control of Electrical Machines
- Designing an Inverter/Power Electronics Controller using LabVIEW and CompactRIO

RESOURCE PERSONS:

- Achyut Mohan Sharma, Academic Technical Consultant, National Instruments
- Raviteja Chivukula, Technical Marketing Engineer, National Instruments.

ELIGIBILITY AND NORMS:

Faculty members from AICTE recognized Engineering Institutions are eligible to participate. The selected participants, who attend the course will not be paid TA. The participants are requested to arrange their own accommodation.

COURSE OUTLINE:

LabVIEW is a graphical environment for application development. It is widely used for data acquisition and real time control in industry and academia. The current scenario in the power sector has been undergoing continual developments in generation, transmission and utilization. With the existing voluminous size of network, together with the rapid growth in supply and demand, the conventional approach has proved ineffective and there exists need for advanced computational and planning methodologies.

National Instruments addresses this with the Graphical System Design approach of bringing commercially off the shelf hardware that is powerful, modular, rugged and reconfigurable with powerful software like LabVIEW with the Electrical power toolkit that has these advanced capabilities. The architecture of the CompactRIO product series fits best for this requirement.

The main objective of this program is to enhance the knowledge of the participants in the modern trends in Machines and Power domain through simulation techniques and Control and is intended to benefit the faculty of Electrical Engineering Department of premier engineering institutions and practicing engineers.

Some other objectives are to provide a design to deploy foundation that allows power applications to be created quickly. To enable design engineers to test the safety and integrity of their design concepts.

HOW TO APPLY:

Application form along with Cash Rs. 500/- (Non refundable) Department of Electrical and Electronics Engineering, JNTUHCEH and before 15th April, 2015.

REGISTRATION FORM

WORKSHOP On

“Real time Implementation of Power
electronic controlled drives using
LABVIEW”

April 16th to 17th , 2015

UNDER TEQIP – II

Name:

Designation:.....

Dept.:.....

Name of Institution:.....

Postal Address:

.....

Phone:.....Mobile:.....

Email:.....

Experience (Yrs):

Teaching.....Industry.....

Academic Qualification:.....

Registration Fee Rs. 500/- (Non Refundable)

Place:

Date:

Signature of Participant

COORDINATORS:

⇒ **Smt.K.H.PhaniSree**

Mobile: 9951995879

Phani_kona@yahoo.com

⇒ **D.Kiran Kumar**

Mobile: 9652337723

ORGANIZING COMMITTEE:

- ⇒ Dr. S.Tara Kalyani
- ⇒ Dr. G.Tulasi Ram Das
- ⇒ Dr.S.S.Tulasi Ram
- ⇒ Dr. B.V. Sankar Ram
- ⇒ Dr. N. Yadaiah
- ⇒ Dr.Dr.M. Surya Kalavathi
- ⇒ Dr. M. Sushama
- ⇒ Dr. G.N. Sreenivas
- ⇒ Dr.A.Raghu Ram
- ⇒ Dr. A. Jaya Laxmi
- ⇒ Sri.P.V.Narayana
- ⇒ Dr.K.Bhaskar

ADDRESS OF COMMUNICATION:

Coordinator,

**Department of
Electrical & Electronics Engineering,
JNTUHCEH, Kukatpally, Hyderabad—500 085**

Phone No:09951995879/9652337723

Email: phani_kona@yahoo.com

Web: www.jntuceh.ac.in

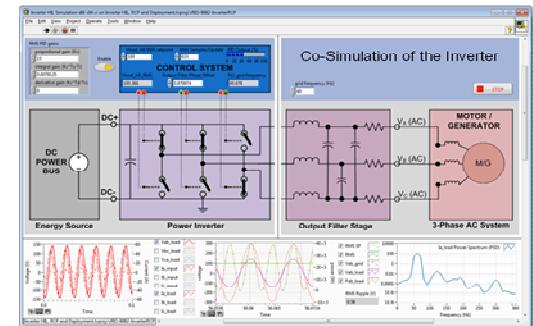
WORKSHOP

On

“Real time Implementation of Power
electronic controlled drives using
LABVIEW” under

TEQIP – II

April 16th to 17th , 2015



Organized

By

Coordinators:

**Smt.K.H.Phani Sree
Asst.Professor of EEE**

&

**D.Kiran Kumar
Asst.Professor of EEE**



**Department of
Electrical & Electronics Engineering
JNTUH College of Engineering
(Autonomous)
Telangana**