"LabVIEW-Multisim exposure through Integrated Electrical Machines & Drive Systems (IEMDS) Laboratory"

OBJECTIVE OF THE WORKSHOP

To expose the aspiring engineering students to the graphical programming environment of LabVIEW & Multisim Softwares and the concepts of Co-simulation, Automated Data Acquisition.

Tutorial sessions on building Virtual Instruments (VI) in LabVIEW, schematics in Multisim and experimentation on Data Acquisition at Integrated Electrical Machines & Drives Systems Laboratory (EEE, GVPCE) will be held.

What is this workshop?

- A perceptible training programme on the software LabVIEW - Multisim, with an emphasis on Data Acquisition (DAQ) through hands-on experimentation in an Integrated Systems oriented Machines & Drives Laboratory.

Why is this workshop important?

- Learning the software LabVIEW - Multisim would be a promising first step for any student towards building a simulation model or a control algorithm with an aspiration to execute it with real Data/ Process/ System.
- A hands-on experience on working with LabVIEW-Multisim & Data Acquisition in a laboratory with Systems Approach would trigger ideas for executing mini-projects, projects and research

How does the workshop ensure impactful learning?

- Each important learning aspect of the software, hardware will be discussed elaborately while lecturing and relevant handouts will be provided to the participants. The three-day workshop is well planned in such a way so as to provide the participants with good amount of time in tutorial sessions in the software and hands-on experimentation on the hardware following lectures over brief intervals of time.

DEPARTMENT OF E.E.E. & E.C.E.
GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING (AUTONOMOUS)
Madhurwada, Kommadhi Junction, Visakhapatnam- 530048

Workshop Chairman: *Dr. Sastry V Vedula,* Sr. Professor, Dept. of EEE

Workshop Convenors:

Dr. K. Narasimha Rao
Prof. & Head of the Dept, EEE

Dr. N.Bala Subrahmanyam
Prof. & Head of the Dept, ECE

Workshop Co-ordinators:

Mr. Prasanth Kumar Das
Associate Professor, Dept. of EEE

Dr. G.V.E. Satish Kumar
Associate Professor, Dept. of EEE

Workshop Organisers:

Asst. Professors from EEE
Mr. P. Tejeswara Rao@
Ms. M.V. Pankaj Lahari
Ms. D. Ganga Bhavani
Ms. G. Vanitha
Ms. J. Usha Rani

Asst. Professors from ECE
Mr. M. Sreenivasulu
Mr. R. Manoj Kumar
Mr. S. Sagar Krishna

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AGENDA OF THE WORKSHOP

Day 1
- *Introduction to LabVIEW Software Environment*
- *Getting started with LabVIEW - Basic Toolkits*
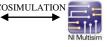- *Tutorial sessions on Applications of LabVIEW*

Day 2
- *Introduction to Multisim*
- *Cosimulation between LabVIEW & Multisim*
- *Tutorial Sessions on Multisim,Co-simulation Concepts*

Day 3
- *Introduction to Concepts of Automatic Data Acquisition*
- *Introduction to Integrated Lab Facility*
- *Experimentation with Data Acquisition in Integrated Laboratory*

DETAILS

Dates & Venue: Starts from 24th June, 2016, GVPCE (A), Visakhapatnam, Andhra Pradesh (Accomodation will be provided for limited number of students at an extra cost)

Fees: For Students - Rs.600/- (2-day tutorial) + Rs. 400/- (One day experimentation at IEMDS Lab) = Rs. 1000/- For faculty/ professionals – Rs 2000/- (Fee will be collected on the day of workshop)

How to register: Interested candidates have to send an email to Mr. P. Tejeswara Rao (tejaspm.patruni@gmail.com). For further details, visit the college website: http://gvpce.ac.in/

Last date for registration:
10:00 PM, 22nd June, 2016
** Similar workshop will be held in July, 2016.

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