4-day Workshop on

"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 ideas.*

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. This workshop is effectively planned in such a way 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.*

COLLEGE OF ENGINEERING (AUTONOMOUS)

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

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AGENDA OF THE WORKSHOP

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

Day 2
- *LabVIEW Software Advanced Toolkits*
- *Tutorial sessions on LabVIEW Advanced Toolkits*

Day 3
- *Introduction to Multisim Software*
- *Cosimulation between LabVIEW & Multisim*
- *Tutorial Sessions on Multisim,Co-simulation Concepts*

Day 4
- *Introduction to Concepts of Automatic Data Acquisition*
- *Introduction to Integrated Lab Facility*
- *Experimentation with Data Acquisition in Integrated Laboratory*

DETAILS

Dates & Venue: Starts from 27th – 28th August, 2016 & 3rd – 4th September, 2016 at GVPCE (A), Visakhapatnam, Andhra Pradesh (Accommodation will be provided for limited number of students at an extra cost)

Fees: For Students -Rs. 1200/-
For faculty/ professionals – Rs 2500/- (Fee will be collected on the day of workshop)

How to register: Interested candidates have to register in the college website: http://gvpce.ac.in/

Last date for registration:
10:00 PM, 25th August, 2016

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