

**TEQIP II - Sponsored  
Comprehensive Workshop on  
LabView and NI USRP  
Graphical Solutions – Measurement Analysis and  
Control (NI LabVIEW and RF platforms)**

**During 27 June to 01 July 2016 and 18 July to 22 July  
2016**

**Registration Form**

Name:

Gender:

Institution/Organization:

Qualification:

Designation:

Email ID:

Phone Number:

Official Contact Address:

Payment Details:

(DD must be drawn in the favor of **GRIET ECE,  
Payable at Oriental Bank of Commerce, Hyderabad**)

DD No:

DD Date:

Name of the Bank:

Amount:

Date:

Place:

Signature of Applicant

Signature & office seal with date of  
Head of the Institution/Organization

**Patrons**

Prof. P.S. Raju, Director, GRIET  
Dr. J. N. Murthy, Principal, GRIET  
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**Organiser**

Dr. Ayyem Pillai V, Professor, GRIET

**Organizing Committee Members**

Mr. G.V.Subba Reddy, Assoc. Professor.  
Mr. G.Pradeep Reddy, Asst. Professor.  
Ms. B.Shilpa, Asst. Professor.  
Mr. N.Srinivasa Rao, Asst. Professor.  
Ms. G.Meera, Asst. Professor.



**Contact**

Send your registration details (soft copy) to  
pradeepreddy@griet.ac.in

**For further information**

G.Pradeep Reddy 9948049293

**Route Map**



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Comprehensive Workshop on  
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**Organised by  
Department of Electronics and Communication  
Engineering**



**Gokaraju Rangaraju Institute of Engineering and  
Technology  
(Autonomous)  
Bachupally, Hyderabad-90**

### About the Institution

Gokaraju Rangaraju Institute of Engineering and Technology (GRIET) is a premier institute established in 1997 under the patronage of the Gokaraju Rangaraju Educational Society. The Departments under which various programmes are run at this institute are, departments of Electronics and Communication Engineering (ECE), Electrical and Electronics Engineering (EEE), Computer Science and Engineering (CSE), Information Technology (IT), Mechanical Engineering (ME), Civil Engineering (CE), Biomedical Engineering (BME) and Bio-Technology (BT), Management.

Undergraduate Programs are offered by ECE, EEE, CSE, IT and ME departments. The Institute also offers MCA and MBA Programs. GRIET is affiliated to JNTU, Hyderabad, and is approved by AICTE. The Departments of ECE, EEE, BT, CSE, IT and MCA are accredited by the NBA & NAAC.

### About the Department

The Department of Electronics and Communication Engineering was established in the year 1997.

The Department has well-equipped Labs such as Communication Lab, Micro Controller Lab, Digital Signal Processing Lab, Microwave & Optical Communication Lab, e-CAD & VLSI Lab. The Department has highly qualified faculty with vast experience in their fields. The department has a good number of faculty, who have experience in academics and industry.

### About and Importance of the Workshop

LabView is a graphical programming language which can be used for not only simulation but also for building real-world systems in association with NI modules. Labview

software is very much relevant to Electronics and Communication Engineers. There are many ECE-related modules in LabView. Some of them are, LabView FPGA module, LabView Real-Time Module, LabView embedded module for ARM controllers, LabView wireless sensor modules, LabView C generator modules, digital filter design toolkit. This software can be used by ECE and other branch UG and PG students for their projects. Also, this software will help much for research because of easiness in programming. This workshop will make the trainees ready for taking up the first level CLAD examination. The entire workshop will be hands on.

### Topics to be covered in the workshop

- Graphical Systems Design Using NI's LabVIEW
- LabVIEW Programming concepts-Loops, Registers, Arrays and Clusters.
- LabVIEW Programming concepts-Strings, Graphs and Charts, Booleans and FileIO, Event Structures,
- Programming Architecture-Notifires, Ques, State machines and Semaphones.
- LabView Application Development and Installer Creations
- Introduction to modulation tool-kit and programming of analog and digital modulations
- Introduction to RF Communication modules
- Configuring and Using USRP
- Measuring Custom based RF Signals
- Perform Spectral & Power Measurements
- Discussion on CLAD Topics and Solving CLAD Papers Certification Course and Placement Opportunities

### Resource Person

Workshop sessions will be handled by LabView Specialist from VI Solutions, Bangalore supported by National Instruments.

Mr V Sunil Kumar, Managing Director, VI Solutions, Bangalore will impart training.

Mr Karamvir Rathir, Product Manager, RF Communications

Research, National Instruments Corporate, Texas, Austin, USA will deliver keynote address.

### Registration

Participants should confirm their interest on or before 22 June 2016 by email.

Workshop Dates: **27 June to 01 July 2016 and 18 July to 22 July 2016**

**For GRIET Faculty Registration Fee: Rs. 1000.**

Includes: Tea, Snacks, Lunch and Start-up kit.

### How to Apply

The applicants should send their registration information through email and are required to submit hardcopy of registration form along with DD in favor of

**GRIET ECE,  
Payable at Oriental Bank of Commerce, Hyderabad**

**OR**

**For Online/NEFT Transfer  
Acc No: 10812041022487  
IFSC Code: ORBC0101882  
Oriental Bank of Commerce  
Bachupally Branch, Hyderabad.**

Department of Electronics and Communication Engineering

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