

ABOUT THE UNIVERSITY

Karunya University, formerly known as Karunya Institute of Technology and Sciences (KITS) was established in 1986 by the founders Late Dr. D.G.S. Dhinakaran and Dr. Paul Dhinakaran. Making rapid progress ever since, institute has now grown into a university winning recognitions and awards on its way, Best Engineering College of Tamilnadu (1995), First-ever Autonomous Self-Financing Engineering college (1999), Deemed University(2004) and University (2006).

ABOUT THE DEPARTMENT

The Department of Electrical and Electronics was established in the year 1994 is a part of school of Electrical Sciences. It is well equipped with highly sophisticated facilities and is effectively guided by a group of devoted and diligent faculty. The student strength is around 350 for UG, 75 for PG and 15 Research Scholars. The mission of the department is to raise engineers and researchers with high quality technical expertise, professional attitudes and ethical values with ability to apply acquired knowledge to have a productive career and empowered spirituality to serve humanity. The Department offers B.Tech Electrical & Electronics Engineering for 4 Years, M.Tech - Power Electronics and Drives, Renewable Energy Technologies for 2 Years and also Ph.D in Full time / Part Time. The Department has a 'Centre of Excellence for Automation and Drives' which is a Siemens Authorized Training Centre for the entire Southern Region, India.

ABOUT THE NATIONAL INSTRUMENTS

National Instruments transforms the way for engineers and scientist around the world. Using NI open graphical programming software and modular hardware, customers at more than 30,000 companies annually simplify development, increase productivity and dramatically reduce time to market. The National Instruments academic program in India, strives to improve the quality of science and engineering education across the country by facilitating experimental engineering education. Throughout its history, National Instruments in India have collaborated with academia to develop experimental engineering education which in turn provides high quality teaching, learning and research environments. National Instruments, India is actively involved in a variety of academic initiatives to improve the quality of Engineering

& Science education with the establishment of Center of Excellence.

ABOUT THE WORKSHOP

This workshop helps to learn applications in electrical Engineering fundamentals with minimal frustration. Enriched by the workshop the participants can take research challenges in Electrical Engineering using LabVIEW. As a conclusion the workshop is to provide a platform for faculty members and researchers in the field of Electrical and Electronics Engineering to have discussion about the latest developments and an exposure to the applications of Data Acquisition & Signal Conditioning using LabVIEW.

ORGANIZING COMMITTEE

Chief Patron

Dr. Paul Dhinakaran, Chancellor.

Patron

Dr. Paul. P. Appasamy, Vice Chancellor.

President

Dr. (Mrs.) Anne Mary Fernandez, Registrar.

Convener

Dr. A. Immanuel Selvakumar, HoD i/c, EEE Dept.

Co- Conveners

Mr. K. Vinoth Kumar, Assistant Professor

Mr. P. Venkatesh Kumar, Assistant Professor

Co-ordinate Members

Ms. S. Jebarani Evangeline, Assistant Professor (SG)

Mrs. Prawin Angel Michael, Assistant Professor (SG)

ADDRESS FOR CORRESPONDENCE

Mr. K. Vinoth Kumar / Mr.P.Venkatesh Kumar

Co-conveners

Department of Electrical and Electronics Engineering

School of Electrical Sciences

Karunya University

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Two Day National Workshop on Real Time Applications in Electrical Engineering using LabVIEW

23rd – 24th February 2012

Organized By



Department of Electrical and Electronics Engineering
School of Electrical Sciences

 **Karunya UNIVERSITY**

(Karunya Institute of Technology and Sciences)
(Declared as Deemed to be University under Sec.3 of the UGC Act, 1956)
Coimbatore – 641 114. Tamil Nadu, India

in Collaboration with

 **NATIONAL
INSTRUMENTS™**

Bangalore

Convener

Dr.A.Immanuel Selvakumar

Co-conveners

Mr.K. Vinoth Kumar

Mr.P.Venkatesh Kumar

ELIGIBILITY

Faculty & Research Scholars from reputed Engineering Colleges and Universities,

RESOURCE PERSONS

Resource Persons are from National Instruments.

COURSE CONTENT

The programme covers the following important aspects

- ✓ Experimental Education
- ✓ LabVIEW Fundamentals
- ✓ Introduction to Graphical System Design – NI way
- ✓ LabVIEW Programming Concepts
- ✓ Hands on LabVIEW Programming
- ✓ Data Acquisition & Signal Conditioning NI Hardware
- ✓ LabVIEW in Electrical Engineering Applications
- ✓ Control System Design Toolkit & PID toolkit
- ✓ FPGA Based Embedded System Design

WORKSHOP SCHEDULE

DAY-1 (23.02.2012 - Thursday)

08.30 A.M - 09.30 A.M	Registration
09.30 A.M - 10.00 A.M	Inaugural Function
10.00 A.M - 11.00 A.M	Technical Session -1
11.00 A.M - 11.15 A.M	Tea Break
11.15 A.M - 12.15 P.M	Technical Session -2
12.15 P.M - 01.30 P.M	Lunch Break
01.30 P.M - 02.45 P.M	Technical Session -3
02.45 P.M - 03.00 P.M	Tea Break
03.00 P.M - 04.00 P.M	Technical Session -4

DAY - 2 (24.02.2012 - Friday)

09.30 A.M – 10.30 A.M	Technical Session -5
10.30 A.M – 10.45 A.M	Tea Break
10.45 A.M – 12.30 P.M	Technical Session -6
12.30 P.M – 01.30 P.M	Lunch Break
01.30 P.M – 02.45 P.M	Technical Session -7
02.45 P.M – 03.00 P.M	Tea Break
03.00 P.M – 04.00 P.M	Technical Session -8
04.00 P.M – 04.30 P.M	Valedictory Function

REGISTRATION

Academic Participants & Research Scholars ₹ 1000 /-

The fee should be paid only through Demand Draft drawn in favor of “**The Registrar, Karunya University**”, payable at Coimbatore taken from any Nationalized Banks. The registration fee includes the Course Material, Lunch and Snacks. Kindly send the filled in Registration form along with DD to Co-conveners.

The number of seats is limited to 30.

ACCOMODATION

Accommodation will be provided in the University Guest House and in Hostels on the tariff basis.

IMPORTANT DATES

Last Date for Registration	:	10.02.2012
Intimation through Email	:	15.02.2012



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REGISTRATION FORM

Name: _____

Designation: _____

Organization: _____

Official Address: _____

Mobile / Telephone: _____

Email: _____

Accommodation Required : _____ (Yes/No)

Payment Details

DD No.: _____

Bank Name: _____

Date: _____

₹ 1000 (One Thousand Rupees only)

(DD Should be drawn in Favour of
‘The Registrar, Karunya University’ Payable at
Coimbatore)

Signature: _____ Date: _____