

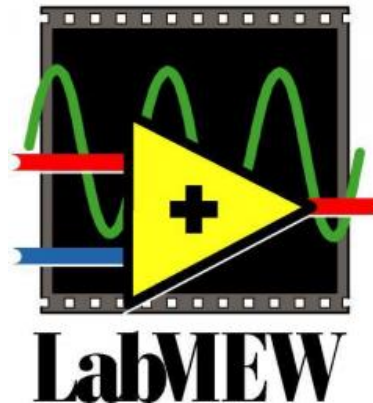


Teaching Learning Centre

(Under Pandit Madan Mohan Malaviya National Mission on Teachers
& Teaching Scheme, Dept. of Higher of Education, MHRD, GoI)



5 Day Faculty Development Programme on *Experimental Teaching & Learning in LabVIEW*



In association with



September 08 to 12, 2018



Coimbatore Institute of Technology

(Government Aided Autonomous Institution)

(Approved by AICTE, New Delhi & Affiliated to Anna University)

Coimbatore Institute of Technology

Coimbatore Institute of Technology (CIT), Coimbatore, is a Government Aided Autonomous Institution established in the year 1956. The Institute offers Under Graduate, Post Graduate and Ph.D research programmes in Engineering. The Institute is approved by AICTE, New Delhi, Affiliated to Anna University, Chennai and Accredited by National Board of Accreditation (NBA), New Delhi. The institute has a reputation with service of competent, well-qualified faculty and dynamic management to set highest standards in engineering research and development. The institute has collaboration with leading frontier universities and industries in India and abroad for the promotion of innovative research and development. National Institutional Ranking Framework (NIRF), MHRD, Govt. of India., has ranked CIT with 1st place in Tamil Nadu for Graduate Outcome and 61st Place in NIRF 2018.

Teaching Learning Centre

Coimbatore Institute of Technology has been approved as Teaching Learning Centre (TLC) under the scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), Department of Higher Education, Ministry of Human Resource Development (MHRD) in December 2017. MHRD has sanctioned grant to establish Teaching Learning Centre in Coimbatore Institute of Technology for Raising the Quality of Teaching through training, retraining, refresher and orientation programmes in the disciplines of Academic, Research, and Management (ARM). CIT – TLC is established to improve the quality of teachers of technical education institutions in the regions of Tamil Nadu (West), Kerala, Karnataka, Andhra Pradesh and Puducherry.

About the Workshop

The world needs good quality engineering talent in order to find solutions to the global challenges facing humanity such as energy, environment, transport, health and communications etc... India has an enormous amount of raw talent to address these needs. However, the rapid expansion of engineering educational institutions in India in recent years has created serious problems of maintaining quality engineering education and research to sustain and fuel economic growth in India itself. Enhancement of teaching & learning process with ICT tools for faculty members will improve the quality of engineering education and research which in turn prepare our students to be ready with solving 21st Century grand engineering challenges.

With a hands-on teaching strategy, during this five days' workshop, the participants will get hands-on training on industry-standard graphical system design software such as LabVIEW to do real-time measurements and control and build their own autonomous embedded system. LabVIEW software is an ideal for any measurements and control application and is the heart of many system design platforms. LabVIEW integrates most of the modules that engineers and scientists need to build a wide range of applications in less time. NI LabVIEW platform offers a complete system design environment for problem-solving, accelerated productivity, and continual innovation. The goal of this workshop is to provide a comprehensive understanding of the platform and enable system design approach to teaching, laboratory and research.

Modules of the Workshop

- Introduction to Experiential Education using NI Platform: Why – What – How
- Hands-on training: Graphical System Design Software LabVIEW
- Build Virtual Instruments using LabVIEW
- Hands-on training: Acquire, Analyze, Automate using LabVIEW & DAQ hardware
- Introduction to NI RIO Hardware platform
- Hands-on training: Design, Prototype, Deploy using LabVIEW & RIO hardware
- Build your own internet ready autonomous system using LabVIEW & RIO hardware
- Hands-on training on Sound & Vibration, Robotics application Toolkit

Resource Person(s)

Experts from National Instruments Training Center, Bangalore.

Registration Details

Eligibility

Faculty Members and Full Time Research Scholars of **Mechanical / Electrical / Electronic Engineering** discipline are eligible to apply for this programme

Registration Procedure

- No Registration / Participation fee will be collected
- Interested participants are requested to register through the following Google Form link on or before September 4, 2018.

https://docs.google.com/forms/d/e/1FAIpQLSeHrhU187oSC9snfDJMqnv3-nSWexl5oHePMb8PC69j2NhhYg/viewform?usp=sf_link

- The number of participants is limited to 30.
- Selected participants will be intimated through e-mail by September 5, 2018.
- Accommodation will be provided on prior request.
- For queries please contact **tlcp4@cit.edu.in**
- Participants should upload permission letter (attached in this brochure) duly signed by the Head of Institute / Director

Organizing Committee

Chief Patron

Dr.S.R.K.Prasad
Correspondent, CIT Institutions, Coimbatore

Patrons

Mr.S.Rajiv Rangasami
Director, CIT Institutions, Coimbatore

Dr.R.Prabhakar
Secretary, CIT Institutions, Coimbatore
Chairperson, CIT – TLC, Coimbatore

President

Dr.V.Selladurai
Principal, CIT, Coimbatore
Co-Chairperson, CIT – TLC, Coimbatore

Convener

Dr.V.Manikandan
Project Coordinator, CIT – TLC,
Coimbatore

Coordinator(s)

Dr.M.Vijay - Project Officer, CIT – TLC, Coimbatore.
Dr.N.Saranya - Project Officer, CIT – TLC, Coimbatore.

Venue

Coimbatore Institute of Technology
Avinashi Road, Civil Aerodrome Post, Peelamedu,
Tamilnadu, India – 641 014

Contact Details

Dr.M.Vijay
Project Officer,
Teaching Learning Centre,
Coimbatore Institute of Technology,
Coimbatore.
tlcp4@cit.edu.in
Ph: 8903136122

Permission Letter to Attend Five Day FDP on
Experimental Teaching & Learning in LabVIEW
September 08 to 12, 2018

**** This Permission Letter should be uploaded in Google Registration Form**

Mr/Ms/Dr _____ of the Department
_____ is permitted to attend Five Day FDP on
Experimental Teaching & Learning in LabVIEW at Teaching Learning Centre of Coimbatore Institute of
Technology, Coimbatore from 08 to 12 September, 2018.

Name of the College :

Place :

Date :

Signature of Head of the Department

Signature of Head of the Institution / Director