

TEQIP-II sponsored Three-day FDP on  
**NI LabVIEW and its  
Multidisciplinary  
Engineering Applications**

March 2 - 4, 2017

Organised by

**Department of Mechanical Engineering  
The National Institute of Engineering**  
Manandavadi Road, Mysuru - 570 008

**REGISTRATION FORM**

Name \_\_\_\_\_

Designation \_\_\_\_\_

Department \_\_\_\_\_

Organisation \_\_\_\_\_

Mailing address \_\_\_\_\_

Phone/Mob. No. \_\_\_\_\_

Email ID \_\_\_\_\_

**DD Information :**

Amount in Rs. \_\_\_\_\_

DD No. / Date : \_\_\_\_\_

Name of the Bank \_\_\_\_\_

Signature of the Participant \_\_\_\_\_

Prof. / Dr. / Mr. / Mrs. \_\_\_\_\_

is permitted to participate in the above programme.

Place : \_\_\_\_\_ Date : \_\_\_\_\_

Approving authority  
(Signature and Seal)

Photo copies of the registration form can also be used if required.

**Patrons**

**Dr. G. L. Shekar**  
Principal  
The National Institute of Engineering

**Dr. M. V. Achutha**  
Professor & Head  
Department of Mechanical Engineering  
The National Institute of Engineering

**Coordinators**

**Dr. K. R. Prakash**  
Professor

**Mr. Rakesh M.**  
Assistant Professor

**Organising Committee Members**

**Dr. B. K. Sridhara**  
Professor

**Dr. N. V. Raghavendra**  
Professor

**Dr. Aravinda Rao M. Yadwad**  
Associate Professor

**Mr. Ravikumar Beernur**  
Assistant Professor

**Mr. Prasanta Kumar Samal**  
Assistant Professor

**Mr. Vinodkumar H. P.**  
Assistant Professor

**Venue**

**PLC & SCADA Lab**  
NIE Administrative Block

The registration form should be sent to :

**Dr. K. R. Prakash**  
Professor  
Department of Mechanical Engineering  
The National Institute of Engineering,  
Mysuru - 570 008 INDIA  
email : krp@nie.ac.in  
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Technical Education Quality Improvement  
Programme (TEQIP-II) sponsored  
Three-day Faculty Development Programme on

**NI LabVIEW and its  
Multidisciplinary  
Engineering Applications**



March 2 - 4, 2017

Organised by

**Department of Mechanical Engineering  
The National Institute of Engineering**

(An Autonomous Institute under Visvesvaraya Technological University, Belagavi)  
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In association with





### The National Institute of Engineering

The National Institute of Engineering (NIE) started in the year 1946, is one of the premier educational institutions in India, offering undergraduate, postgraduate and diploma programmes in engineering and technology. Approved by the All India Council for Technical Education (AICTE), New Delhi, NIE is a grant-in-aid institution. It is one of the 14 colleges in Karnataka State that has been recognized and given autonomous status under the Visvesvaraya Technological University, Karnataka. NIE is the recipient of the Ministry of Human Resources Development — World Bank sponsored Technical Education Quality Improvement Programme (TEQIP). The Institute is a recognized QIP Research Centre of AICTE. NIE runs 7 UG, 13 M.Tech and 5 Post-graduate Diploma programmes and has 13 Centres of Excellence. The student strength is about 3600. The faculty are carrying out many funded research projects of Central and State Governments, VTU, ISRO and many leading overseas universities, amounting to about Rs. 70 million.

### Department of Mechanical Engineering

In addition to the B.E. programme, the Department of Mechanical Engineering presently runs three M.Tech programmes under the autonomous scheme, namely, Industrial Automation & Robotics, Machine Design and Nanotechnology. The department is recognized as 'Research Centre' by VTU.

The highly qualified faculty is actively engaged in research and consultancy work in the areas of Composite Materials, Automation Technology, Nanotechnology and Renewable Energy Technology. Thanks to their initiative and efforts,

the department has secured funding from reputed funding agencies such as the Department of Science & Technology (DST), TEQIP, UGC, AICTE, KCTU, etc., which has resulted in the establishment of several centres of excellence. Some of the notable ones are the Centre for Materials Research (CMR), Centre for Renewable Energy and Sustainable Technologies (CREST), Centre for Nanotechnology (CNT), Centre for Automation Technologies (CAT), CNC Training Centre, etc. NIE started M-Tech program in "Industrial Automation and Robotics", in the year 2011 which is an interdisciplinary course. The uniqueness of this programme lies in curriculum and pattern of education along with state of the art facilities. The students undergo extensive training on all major areas of Automation and Robotics including PLC, SCADA, Mechatronics, Robotics & Control. The department has tied up with leading automation companies to ensure internship and projects.

### KCTU Centre for Robotics & Controls

The Karnataka Council for Technological Upgradation (KCTU), Bengaluru, has given funds for the establishment of a state-of-the-art R & D centre on 'Robotics & Controls', under its R & D scheme. This scheme of KCTU aims to boost production sector by providing a platform for value added research and training. The NIE centre will serve as a resource centre for academicians, research scholars and students, who are working in the area of Robotics. More importantly, it will also serve as the resource centre for local SMEs, who wish to acquire information and knowledge about Robotic applications in manufacturing.



### Theme

LabVIEW provides the state-of-the-art way to effectively teach and learn basic and advanced engineering concepts using a graphical programming platform. Nowadays engineers and scientists rely on LabVIEW for a variety of applications: test and measurement, process control and automation, monitoring and simulation. The objective of this Faculty Development Programme is to present theoretical and practical concepts and hands-on in LabVIEW. Intended to teach participants tools of LabVIEW with an emphasis on various applications.

NIE has been identified as a resource centre by the Karnataka Council for Technological Up Gradation (KCTU) of the GOK in order to provide a learning and training platform for student community. This Faculty Development Programme will introduce the fundamental principles of graphical system design using NI LabVIEW. Hands on training with NI hardware will also be given to the participants.



### Resource Persons

Experts from National Instruments, Bengaluru and Embedded Systems Solutions Pvt Ltd, Bengaluru

### Target Participants

- Faculty members from Engineering Colleges (Multidisciplinary Departments)
- Candidates working in Industrial / Research organizations.

### Registration Fee

- Faculty from TEQIP Institutions / Industry participants ..... ₹ 1500/-
- Faculty from non TEQIP Institutions ..... ₹ 1000/-

Applicants are required to send the scanned copy of filled registration form approved by the head of the Institute / organisation.

Registration fee can be paid at the registration counter on the first day of the workshop.

Registration fee includes the lunch, refreshments and certificate. Participants have to make their own arrangements for travel and stay.

DD to be drawn in favour of "The Principal, NIE" payable at Mysuru.