About the course

LabVIEW- Laboratory Virtual Instrument Engineering Workbench, by National Instruments is a system-design platform and development environment for a graphical language – visual programming language, LabVIEW is commonly used for data acquisition, instrument control, and industrial automation on a variety of platforms like intelligence and interfaces incorporated in Test & Measurement instruments, intelligent instrumentation. Experience in LabVIEW based developments and in testing & maintenance is highly acknowledged. globally To be at par with global trends and technology and for Industry 4.0, Cyber Physical Systems, acquaintance and then proficiency in LabVIEW is desirable for engineers in Academia and Industry. This course is 100% hands on course.

Course includes - Why LabVIEW, basic logic development using "C" programming, concept of parallel programming using LabVIEW instead of using multi core CPUs, LabVIEW graphical development system, virtual instrumentation approach, hands on includes - Front Panel / Block Diagram, Toolbar /Tools Palette, wires, data types, variables, connector panel, math in LabVIEW, data flow programming, Components of a LabVIEW Application - Creating a VI, Data Flow Execution, Additional Help - Finding Functions, debugging techniques, context help window, elements of typical program, clusters, loop, how to make decisions, Getting Data into your Computer- Data Acquisition Devices - NI-DAQ, concept of PC add on cards and addressing, PC add on and USB ADDA card, image acquisition card, Communication protocols – RS232, USB, GPIB/IEE488, introduction to cDAQ and C modules., cRIO and LabVIEW RT.

Eligibility : M.Sc (Physics) /Diploma/ M.Sc/ BE (E&TC / Instrumentation / Computer / Electrical / Mechanical / IT)
Under Graduate (Third and fourth year), Post Graduate Students Faculty and Professionals,
Embedded or "C" Programming done is desirable for understanding LabVIEW flow.

Course Fees:
Students: Rs.10,000
Professionals: Rs. 25,000
(Fee includes breakfast, and lunch)

Accommodation Charges (course duration plus two days)
Students- Rs.500/-
Faculty / Professionals- Rs.1000/-

On line application: Please visit
http://nclsdp.ncl.res.in
Or can reach from NCL web site
www.ncl-india.org
Please apply for suitable batch

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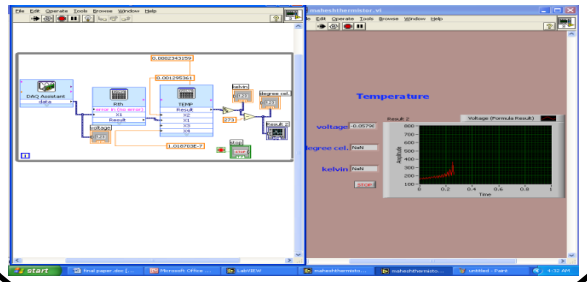
Email: ncl.sdtc@ncl.res.in



Council of Scientific and Industrial Research
National Chemical Laboratory

CSIR –Integrated Skill Initiative

Skill development Course in

LabVIEW basics and applications

Course Code –SDP-NCL 15

Batch 1: June 3 - June 21, 2019
Batch 2: June 26 - July 16,2019
Batch 3: July 22 - August 9 , 2019
Batch 4: Dec. 12, 2019 – Jan. 1, 2020
(Monday – Saturday – 160 hours)

No. of participants - 15
Selection: First come first serve basis

Dr. (Mrs) Neelima Iyer, Sr. Principal Scientist at NCL having more than 25 years experience in Embedded, R&D and teaching is the mentor for this course and is a faculty along with industry experts.