



GUJARAT TECHNOLOGICAL UNIVERSITY

Community Innovation & Co-Creation Centre

National Instrument - Hack A Thon

Gujarat Technological University invites faculties & students for two days NI - Hack a thon on **National Instrument MyRio**. NI MyRio is an open source, parallel programmable, hybrid automation embedded controller that introduces students to industry proven technology and allows them to design real, complex engineering systems more quickly and affordably than ever before.

Content of Workshop-

Day 1

Understanding Graphical System Design: Approaching engineering solution from a System Design point of view. Introduction to LabVIEW & **Hands – on with LabVIEW:** Understanding the graphical programming, connecting signals, using express functions and acquiring data

Day 2

Understanding RIO: the present and future of Industrial automation: Understanding the architecture of hybrid, open source, parallel multi-core processor that industry is moving towards (RIO). Hands-on for developing projects, developing mini-project on RIO. Understanding how RIO can be useful for multitude of teaching and project applications:

Wireless sensor networks, Mechatronics and Robotics, Image and signal Processing, Bio Medical, **IoT**, Smart Grid and **Smart cities**, Smart Energy, Smart structures, Power electronics - system and controls, Parallel processing, FPGA, Microprocessor and DSP learning, Structural analysis, hardware in loop, Renewable energy, grid control, smart metering and so on

Interested Engineering Faculty & Students can participate in NI - Hack a thon

**Date: 25/07/2015, Saturday & 26/07/2015, Sunday
10:00 a.m. - 05:30 p.m.**

Venue: CiC3, Room No: 128, Gujarat Technological University, Second Floor ACPC Building, L.D. Engineering College Campus, Navrangpura, Ahmedabad

To register: Click here- <http://goo.gl/forms/0bmvHLsIAB>

**Limited seats are available. Last Time & Date for registration: 12:00 p.m. 23/07/2015
Selected Faculties & Students will get confirmation for Workshop by email by 5 p.m. on 23/07/2015.**