GUJARAT TECHNOLOGICAL UNIVERSITY

(Established Under Gujarat Act. No.:20 of 2007)

Date: 03-10-2016

CIRCULAR

Interested faculty members and students may register for the following webinar which is going to be held on Thu, Oct 6, 2016 3:30 PM - 4:30 PM IST.

IUCEE 2016 Special NI Webinar: "Robotics Applications using NI LabVIEW"

Thu, Oct 6, 2016 3:30 PM - 4:30 PM IST

Registration URL: **https://attendee.gotowebinar.com/register/5821398775224612099**

Description:

Robotics holds tremendous potential for benefiting every domain of Engineering. Technology has matured to integrate robotic technologies into the human environment for everyday use. However, this integration cannot be successful without proper guidelines, methods, and tools that help designers of robotic technologies to create Robots and applications that will revolutionize our future.

The LabVIEW graphical programming language makes it easy to program complex robotics applications. LabVIEW provides a high level of abstraction for sensor communication, obstacle avoidance, path planning, kinematics, steering, and more. Adopting NI LabVIEW platform to develop sophisticated code for robot designs that can handle challenging tasks including autonomy, vision guidance, path planning and feedback control. This webinar emphasize on the application of LabVIEW for programming three different types hardware used in robotics. The case study includes Programming; Mindstorms Lego Robot (EV3), Robot Arm control Using Arduino, Autonomous Robot control using NI-MyRIO

Presenter:

Dr. P.S. Godwin Anand
Applied Electronics & Instrumentation,
Saint Gits College of Engineering Kottayam, Kerala

Sd/-

Registrar (I/c)