

## **PATRON**

Prof. R. Gupta, In-Charge Director, NIT Silchar

## **CHAIRMAN**

Dr. Saurabh Chaudhury, HOD, Dept. of EE

## **ADVISORY MEMBERS**

Dr. B.K. Roy (Professor, Dept. of EE)

Dr.R. K.Biswas(Assistant Professor, Dept. of EE)

Mr.P. Roy (Assistant Professor, Dept. of EE)

## **COORDINATORS**

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## **COMMITTEE MEMBERS**

Prantik Majumdar

Sayan Chakraborty

Santosh Mohan Rajkumar

Bishmita Sharma

Sibbir Ahmed

Pankaj Prakash

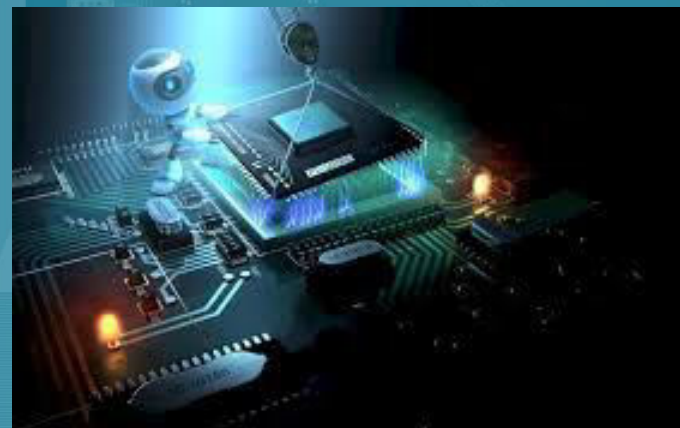
Bhabani Shankar Dey

# WORKSHOP ON DESIGN OF EMBEDDED CONTROL SYSTEM

**TEQIP-II SPONSORED**

**12<sup>th</sup> Feb to 13<sup>th</sup> Feb, 2017**

Venue: Electrical Engineering Department, NIT Silchar



Organised by:  
Department of Electrical Engineering,  
NIT Silchar



**NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR  
SILCHAR, CACHAR, ASSAM, PIN: 788010**

## **COURSE AT A GLANCE...**

In this modern sophisticated era technology is at its pinnacle. The term embedded software is flooding the arena of technology. Joining the step of advancement embedded control is no doubt a revolutionary step. Being active participants of technological world it is inevitable for us to know the design of embedded control system. This microprocessor or micro controller based, software driven, reliable, real-time control system is capable of performing numerous applications.

This course will help you to have an idea about

- Integrated development environment
- Writing code on microcontroller
- Transmitting a character from PC to microcontroller
- Debugging the UART communication
- Development of control system application in embedded platform.
- Various control system analysis using embedded platform.

## **ABOUT THE EXPERT: DEBRAJ DEB**

- He is presently, working as a Chief technical officer with Nexsys Controls Pvt. Ltd, Bangalore.
- He worked in Microchip Technology, Bangalore, as Principal Engineer, till 2014; in Zilog Semiconductor, Bangalore, as Sr. Application Engineer, till 2008; in General Electric, Hyderabad, as application Engineer, till 2005 and Lucas TVS, Chennai, as development Engineer, till 2002.
- His field of expertise includes control system design and application of microcontroller and semiconductor devices to control electrical machines and mechatronics system.
- He has clear set of objectives to create awareness and grow interest in budding engineers in embedded system and applications.

## **ELIGIBILITY CRITERIA:**

- PG and UG students of Electrical Engineering Department
- PG and UG students of Electronics and Communication Engineering Department
- PG and UG students of Electronics and Instrumentation Engineering Department
- Participation of interested faculty members (if any) will be considered.

## **ABOUT THE DEPARTMENT:**

The Department of Electrical Engineering of NIT Silchar is one of the finest and well equipped Electrical departments of the north-east region. It boasts of having a highly qualified faculty with an unparalleled level of expertise in their field. Department offers an 8 Semester B.Tech. Programme in Electrical Engineering, four Semester M.Tech. Programmes in Power & Energy Systems, Control & Industrial Automation Engineering and also a well integrated Ph.D. programme. Department is dynamic and vibrant in true sense. Various research and development activities taken up by the department put the students on busy schedules enabling them to blend to the modern industrial requirements.

## **REGISTRATION PROCEDURE:**

There is no registration fee for undertaking the course. For confirmation, participants have to contact coordinators on or before 9<sup>th</sup> February. A registration form will be given on the 1<sup>st</sup> day of workshop (12<sup>th</sup> February) and the participants will have to fill up the forms for registration.

❖ **Seats are limited up to 40.**

Workshop on

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Venue: Electrical Engineering Department, NITSilchar

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DEPARTMENT OF ELECTRICAL ENGINEERING, NIT SILCHAR

**Registration Form**

Name	
Gender	
Course (UG/PG) and year	
Department	
Scholar No	
Email Id	
Contact No	
Designation (in case of faculty)	
Signature (with date)	