

PROGRAM OBJECTIVE

To enable Faculty, Engineers, students of UG, PG & Research Scholars learn the basic fundamentals of automation. To acquaint aspiring engineers with the conceptual and practical knowledge of industrial Automation and the latest technologies being used to achieve industrial automation.

This workshop further focuses on:

- Programmable logic controller generally known as PLC.
- Different sensors, motors, actuators, valves, SCADA systems.

TOPICS COVERED

(All the Theoretical lectures are supported by laboratories)

- **Introduction of DCS Integration engineering** (Introduction of PCS7, Programming of PCS7 with Hands on Training)
- **PCS7 Controller - AS410** (Introduction and advantages, Application Interface to DCS, PLC Interface to DCS I/O interface to DCS, Multi process loop interface to DCS)
- **SIMIT** (Introduction and Advantages, Applications Programming in SIMIT)
- **Automation PLC-SCADA** (Introduction of PLC, Introduction of TIA, Programming of TIA, Introduction of SCADA, Programming of SCADA)
- **Motor Management system** (Introduction of Motor Management - Simocode, S120, Switchgear, SIMOCODE interface to PLC, S120 drive interface to DCS)

ELIGIBILITY

- ❖ Faculty of Educational Institutions

- ❖ Student & Research Scholars
- ❖ Industry Persons

REGISTRATION FEES

Participants from NIT Nagaland: Free

Faculties: INR 1,000/-

Industry Person: INR 1,000/-

THE DD SHOULD BE SENT TO (ONLY BY SPEEDPOST)

Dr. R. Kumar

Professor and Dean (Academic), Department of Electronics & Instrumentations Engineering, NIT Nagaland, Chumukedima - 797103, Nagaland

Mail ID: rajagopal.kumar4@gmail.com

IMPORTANT DATES

Registration Deadline: **24th January 2018**

(DD in original should reach by **24th January 2018**)

HOW TO REACH

The campus is well-connected with all means of transportation. Dimapur Airport is 12.6 kms from the Institute and the distance of Dimapur railway Station is about 17.6 kms.



PATRON

Prof.(Dr.)Themrichon Tuithung,
Director, NIT Nagaland

CONVENER

Dr. Dipu Sarkar

Assistant Professor

Department of Electrical and Electronics Engineering

CO-ORDINATORS

Dr. R. Kumar

Professor and Dean (Academic), Department of Electronics & Instrumentations Engineering, NIT Nagaland, Chumukedima - 797103, Nagaland

Dr. Dushmanta Kumar Das

Assistant Professor & Head

Department of Electronics and Instrumentation Engineering

Email:

ORGANIZING COMMITTEE

Dr. Shubhashish Bhakta

Ms. D. Ganga

Ms. B. Shakila

Mr. M. Prakash

Mr. Swaraj Banerjee

Mr. Asadur Rahman

Mr. Gandikota Gurusurthy

REGISTRATION FORM

Name:
Designation:
Qualification:
Organization:
Address for Correspondence
.....
.....
Tel. (O).....
(M).....
E-mail:
DD Particulars:
Amount:
No.....
Date.....
Bank.....

[Demand Draft (DD) should be in favour of
“**Director, NIT Nagaland**”, payable at SBI
Chumukedima, Nagaland]

The filled registration form with scanned DD
should be sent to mail id:
rajagopal.kumar4@gmail.com on or before
Registration deadline.

Date: _____
Place: _____
Signature of the
Applicant

The department of Electronics and Instrumentation Engineering has been set up in the academic year of 2016-17 with sanctioned intake capacity of 30 students in the undergraduate level. The B.Tech degree for the first batch of students would be awarded in 2020. The department with its state of the art laboratories, as well as young and dynamic faculty is involved in providing quality education at both UG and Ph.D levels.

ABOUT THE INSTITUTE

National Institute of Technology Nagaland, a premier institute of higher learning, is one of the thirty-one institutes established by the Ministry of Human Resource Development (MHRD), Government of India. The basic aim of the Institute is to provide quality technical education, conduct original research of high standards and provide leadership in technological innovations for industrial growth and primarily for enhancing the scope of technical education in the state of Nagaland. The Institute offers under graduate and post graduate programmes in various branches of engineering like Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Mechanical Engineering, Civil Engineering and Electronics and Instrumentation. The Research activities are focused in the thrust areas of Control Systems, Power Systems, RF Communication, Mobile Communication, Smart Grid, 5G Communication, Speech Processing, Nano-Devices, Big Data Analytics, DCS Laboratory and Internet of Things.

NATIONAL LEVEL WORKSHOP On “INDUSTRIAL AUTOMATION USING DCS AND PLC”

*in
Collaboration with*

SIEMENS

from
JANUARY 25-29, 2017

Organized by



**DEPARTMENT OF ELECTRONICS AND
INSTRUMENTATION ENGINEERING
NATIONAL INSTITUTE OF TECHNOLOGY
NAGALAND
CHUMUKEDIMA – 797103**