DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

INDO FRENCH CENTE OF EXCELLENCE IN ELETRICITY, AUTOMATION AND ENERGY (IFCEEAE)

FACULTY DEVELOPMENT PROGRAMME

ON

"INDUSTRIAL AUTOMATION USING SCHNEIDER PLC"

VENUE: IFCEEAE **DATE**: 29th – 31st JANAURY 2019

OBJECTIVE:

- To cater the basic knowledge on industrial automation and increase the consistency, quantity and quality of goods produced in an industry to compete in global markets
- To create a group of experts who have training in skills needed for automation in an industry by providing solid background in PLC programming and overview of SCADA

ACTIVITIES:

- Presentation on Schneider PLC and SCADA
- Hands on training on Schneider PLC software UNITY PRO
- Hands on training SCADA software VIJEO DESIGNER

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Chairman, NHEI

Patrons
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Principal

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HoD-Biotechnology Engineering

Organizing Committee
Program Coordinator
Dr. S. Ramkumar
HoD- Electrical & Electronics Engineering

Faculty Coordinators
Prof. Deepa V. Bolanavar
Prof. S. Vinod kumar

Registration
The FDP is open for Faculty of Engineering & Polytechnic Colleges, Research Scholars and PG students belonging to Electrical, Electronics &Communication, Instrumentation Engineering streams and Industrial participants.

Registration Fee: ₹ 1500/-

The fee should be paid only through net banking
Name: New Horizon College of Engineering
Bank name: INDIAN BANK
Branch: New Horizon College of Engineering branch
A/C No: 484700078
IFSC CODE: IDIB000N112
A/C Type: Savings Bank

Last date for registration: 26.01.2019

Registration
- Registration form can be downloaded from our website: www.newhorizonindia.edu
- Scanned copy of filled registration form can be mailed to:ifceceac2019@gmail.com
- Also, update the details in google form using the link:
- https://goo.gl/forms/gxv7WOHpNIkW75if1

For details contact:
Prof. Deepa V B
Mob. No: 8884425336

Prof. Vinodkumar S
Mob. No: 9751015185

NEW HORIZON COLLEGE OF ENGINEERING

Department of Electrical & Electronics Engineering

INDO-FRENCH CENTRE OF EXCELLENCE IN ELECTRICITY, AUTOMATION AND ENERGY (IFCEEAE)

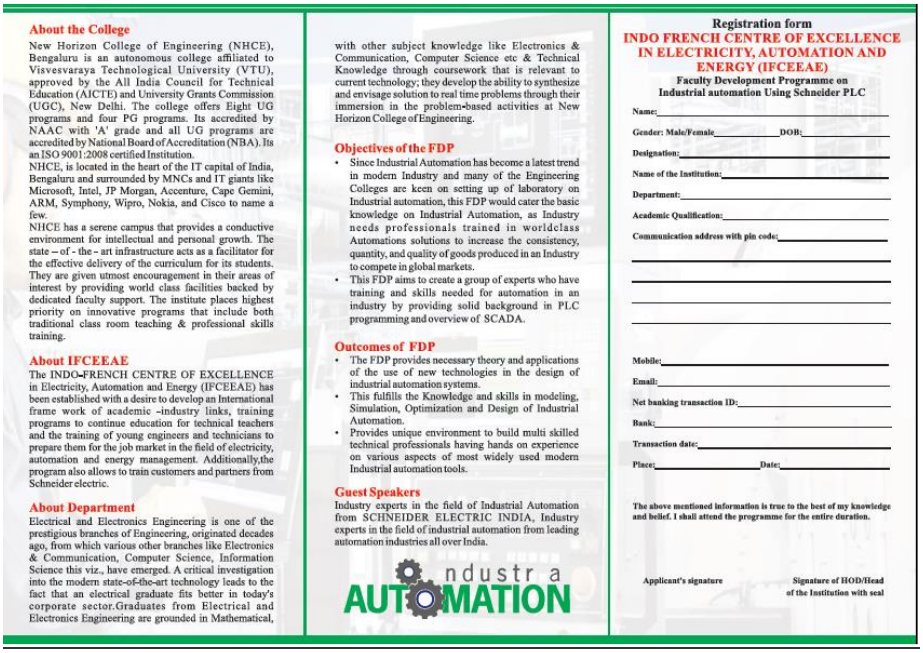
Faculty Development Programme on

"INDUSTRIAL AUTOMATION USING SCHNEIDER PLC"
(HANDS ON SESSIONS INCLUDED)

29th-31st January 2019

CENTRE OF EXCELLENCE Schneider Electric

www.newhorizonindia.edu



About the College
New Horizon College of Engineering (NHCE), Bengaluru is an autonomous college affiliated to Visvesvaraya Technological University (VTU), approved by the All India Council for Technical Education (AICTE) and University Grants Commission (UGC), New Delhi. The college offers Eight UG programs and four PG programs. Its accredited by NAAC with 'A' grade and all UG programs are accredited by National Board of Accreditation (NBA). Its an ISO 9001:2008 certified Institution.
NHCE, is located in the heart of the IT capital of India, Bengaluru and surrounded by MNCs and IT giants like Microsoft, Intel, JP Morgan, Accenture, Cape Gemini, ARM, Symphony, Wipro, Nokia, and Cisco to name a few.
NHCE has a serene campus that provides a conductive environment for intellectual and personal growth. The state – of - the – art infrastructure acts as a facilitator for the effective delivery of the curriculum for its students. They are given utmost encouragement in their areas of interest by providing world class facilities backed by dedicated faculty support. The institute places highest priority on innovative programs that include both traditional class room teaching & professional skills training.

About IFCEEAE
The INDO-FRENCH CENTRE OF EXCELLENCE in Electricity, Automation and Energy (IFCEEAE) has been established with a desire to develop an International frame work of academic -industry links, training programs to continue education for technical teachers and the training of young engineers and technicians to prepare them for the job market in the field of electricity, automation and energy management. Additionally,the program also allows to train customers and partners from Schneider electric.

About Department
Electrical and Electronics Engineering is one of the prestigious branches of Engineering, originated decades ago, from which various other branches like Electronics & Communication, Computer Science, Information Science this viz., have emerged. A critical investigation into the modern state-of-the-art technology leads to the fact that an electrical graduate fits better in today's corporate sector.Graduates from Electrical and Electronics Engineering are grounded in Mathematical, with other subject knowledge like Electronics & Communication, Computer Science etc & Technical Knowledge through coursework that is relevant to current technology; they develop the ability to synthesize and envisage solution to real time problems through their immersion in the problem-based activities at New Horizon College of Engineering.

Objectives of the FDP
- Since Industrial Automation has become a latest trend in modern Industry and many of the Engineering Colleges are keen on setting up of laboratory on Industrial automation, this FDP would cater the basic knowledge on Industrial Automation, as Industry needs professionals trained in worldclass Automations solutions to increase the consistency, quantity, and quality of goods produced in an Industry to compete in global markets.
- This FDP aims to create a group of experts who have training and skills needed for automation in an industry by providing solid background in PLC programming and overview of SCADA.

Outcomes of FDP
- The FDP provides necessary theory and applications of the use of new technologies in the design of industrial automation systems.
- This fulfills the Knowledge and skills in modeling, Simulation, Optimization and Design of Industrial Automation.
- Provides unique environment to build multi skilled technical professionals having hands on experience on various aspects of most widely used modern Industrial automation tools.

Guest Speakers
Industry experts in the field of Industrial Automation from SCHNEIDER ELECTRIC INDIA, Industry experts in the field of industrial automation from leading automation industries all over India.

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Registration form
INDO FRENCH CENTRE OF EXCELLENCE IN ELECTRICITY, AUTOMATION AND ENERGY (IFCEEAE)
Faculty Development Programme on Industrial automation Using Schneider PLC

Name:
Gender: Male/Female DOB:
Designation:
Name of the Institution:
Department:
Academic Qualification:
Communication address with pin code:

Mobile:
Email:
Net banking transaction ID:
Bank:
Transaction date:
Place: Date:

The above mentioned information is true to the best of my knowledge and belief. I shall attend the programme for the entire duration.

Applicant's signature

Signature of HOD/Head of the Institution with seal

Day 1: Inauguration

Inauguration of FDP by Mr. Ravi Bhushan Singh General Manager – Industry and academic relations for Asia Pacific and Dr. Philip colonic, Director, IFCEEAE.

The FDP is held for three days from 29th Jan 2019 to 31st Jan 2019.The FDP was inaugurated by Mr. Ravi Bhushan Singh General Manager – Industry and academic relations for Asia Pacific and Dr. Philip colonic, Director, IFCEEAE, Dr. Manjunatha Principal, Dr.C.S.R. Prasahanth Dean Academics and Dr. Ramkumar, HOD/EEE. Many participants from various colleges in and out of Karnataka has participated.

Participants of FDP at falconry hall during Inauguration

DAY :1(HANDS-ON SESSION)

Hands on Training on ladder logic in UNITY PRO by Prof. S. Vinod Kumar

The Day 1 afternoon the hands-on training started with training on PLC basics and designing the ladder logic diagram in the unity pro software by the IFCEEAE faculty and hardware interface of ladder logic was executed.

Day 2: (Presentation)

Presentation on Importance of automation and SCADA by Mr. Krishna hedge and Mr. Shyam prasad from fluid and control industry, Bangalore

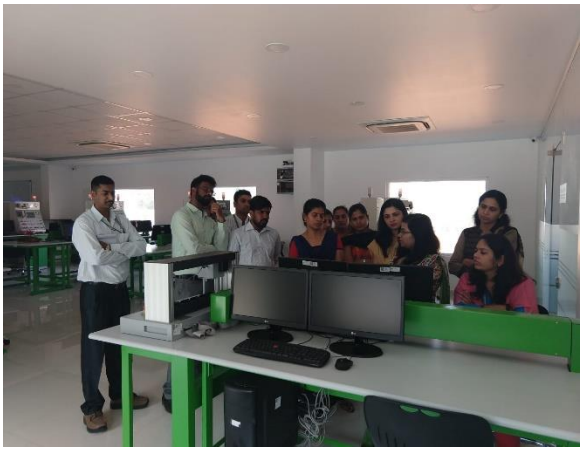
The Day 2 forenoon a presentation was given by Mr. Krishna hedge and Mr. Shyam prasad from fluid and control industry, Bangalore. He had given a presentation on importance of automation on industry. And the latest technologies available to perform remote operation. Along with a Demonstration was made on the SCADA software and its real time applications

DAY :2 (HANDS-ON SESSION)

Hands on Training on SFC in UNITY PRO by Prof. DEEPA.V. B

The Day 2 afternoon the hands-on training started with training on SFC basics and designing the sequential function chart in the unity pro software by the IFCEEAE faculty and hardware interface of SFC was executed.

Day 3: (HANDS-ON SESSION)



Hands on Training on SFC in UNITY PRO by Prof. DEEPA.V. B

The Day 3 forernoon the hands-on training started with training on SFC and designing HMI in the VIJEO DESIGNER software by the IFCEEAE faculty and hardware interface of simple HMI was executed

DAY :3 (Presentation)

Presentation on overview of SCADA by Mr. Srihari Palepu, Eco structure Plant consultant

The Day 3 afternoon a presentation was given on overview of SCADA by Mr. Srihari Palepu, Eco structure Plant consultant. He shared the latest advancements in SCADA and the industry 4.0

Day 3: VALEDICTION

Valediction of FDP by Mr. Srihari Palepu, Eco structure Plant consultant

Certificate Distribution to External Participants

The three days FDP concluded with Valediction and distribution of certificates to the participants. The FDP valediction was headed by Mr. Srihari Palepu, Eco structure Plant consultant and Dr. Philip colonic, Director, IFCEEAE, Dr. Manjunatha Principal, Dr.C.S.R. Prasanth Dean Academics and Dr. Ramkumar, HOD/EEE.

Report By

VINOD KUMAR. S

Senior Assistant Professor /EEE

New horizon college of Engineering