

## 3 Days STTP program on “Industrial Automation”

3<sup>rd</sup> January 2019 –5<sup>th</sup> January 2019 (03 Day).

Organized by

**Instrumentation and Control Department SCET, Surat**



Sponsored by



Government of Gujarat



Technical Support by



Schneider Electric

USA



Control and Solutions (I) Ltd 3S-Smart Software Solutions

Mumbai



(A group of Codesys),  
Germany

### Report 3 Days STTP program on “Industrial Automation”

**Organizers:** Instrumentation and Control Engineering Department,  
Sarvajnik College of Engineering and Technology(SCET), Surat

**Sponsored by:** GUJCOST- Government of Gujarat and Department of Science and Technology

**Date:** 04-01-2019 to 06-01-2019 ( Three Days)

**Venue:** Embedded lab IC Dept. SCET

**Chief Guest and expert:** [1] Mr. Vilash Chitnish (CEO- Controls and Solutions (I), PVT Ltd,  
Mumbai )

**Experts:** [2] Dr. Karnel Patel (Chairman Industry 4.0 South Gujarat Chamber of  
Commerce and Industry, Surat, Gujarat)  
[3] Prof. Himanshu Rakholiya - Centre Manager - CDIAC and Assistant  
Professor SSASIT, Surat  
[4] Prof. Mohan Patel - Assistant Professor, SCET, Surat.

**Coordinators:**

Prof. Mohan Patel - Assistant Professor , SCET  
Prof. Dinesh Lathiya - Assistant Professor , SCET

**Technical Support :**

Control and Solutions (I),Mumbai,  
Schneider Electric USA.  
3 S- Smart Software Solutions, GmbH, Germany.

**HOD :** Dr. Brijesh Naik Head IC Department, SCET Surat.

**Patron:** Dr. Vaishali Mungurwadi, Principal, SCET, Surat.

## Course Objective

Main aim of this STTP was to make aware Engineering Graduates and Industry personal about recent development in Industrial Automation and Industrial Internet of Things (IIoT). They can Guide and pass it to other students and engineers for technology update. Industries need good trained students, teachers, engineers and scientists in the area of Automation.

## Course content

- Introduction and application of Indusoft Web Studio SCADA Software.
- Case Studies of IWS SCADA.
- Hands on practice on Programming using IWS SCADA.
- IIoT and its application in industry.
- Introduction to Codesys software Platform in Automation and its programming.
- Hands on Programming using Codesys.
- To Day's Demand of industrial Automation and Industry 4.0

## Participants

25 Candidates participated for STTP from IC as well as Electrical Engineering.  
8 Students had participated from D.N.Patel College of Engineering, Shahada, Maharashtra,  
1 student graduated from R.C. Patel Institute of Technology, Sirpur, Maharashtra,  
2 students from Electrical Engineering SCET, and 14 students from IC, SCET.

## Program brief

Dr. Utpal Pandya Welcomed Mr. Vilash Chitnish and all participants, Dr. Brijesh Naik has introduced about chief guest and speaker Mr. Vilash Chitnish, Mrs. Tejal Dave has inaugurated function by turning on tower light remotely by mobile using IoT device.

After Inauguration, Mr. Vilash Chitnish has delivered a talk on Indusoft Web studio SCADA software and discussed in detail about application of IWS for wind mill application and Building Automation.

Prof. Mrs. Pankti Desai taught candidates about programming of IWS SCADA.

Prof. Mohan Patel with help of technical support team and Mr. Nilesh Patel and Mr. Rakesh Patel conducted hands-on on Indusoft Web Studio SCADA software and Codesys software. Prof. Mohan Patel also discussed in detail about Codesys software and applications of various engineering subjects in PLC program development.

Dr. Karnel Patel guided about Industry 4.0 and multidiscipline and team work.

Prof. Himanshu Rakholiya guided candidates about Industrial IoT in Detail.

Dr. Brijesh Naik guided candidate about programming of IoT device like Raspberry Pi.

Prof. Dinesh Patel, Prof. Bhavina Patel, Mr. Nilesh Patel and Rakesh Patel guided candidate how to use different tools for set up development and how to calibrate instruments.

Sanjay Patil and Rajendra Zalte guided candidate about importance of Discipline, cleanliness and hospitality.

Candidates were very happy to join and attend STTP and assured to send other candidate also in future if such kind of STTP get organised at SCET.

Faculty coordinator  
Prof. Mohan Patel  
Assistant Professor  
IC Deptt., SCET

Faculty coordinator  
Prof. Dinesh Lathiya  
Assistant Professor  
IC Deptt., SCET

## Few Glimpse of STTP









