### A.V.C. College of Engineering

### Mannampandal, Mayiladuthurai,

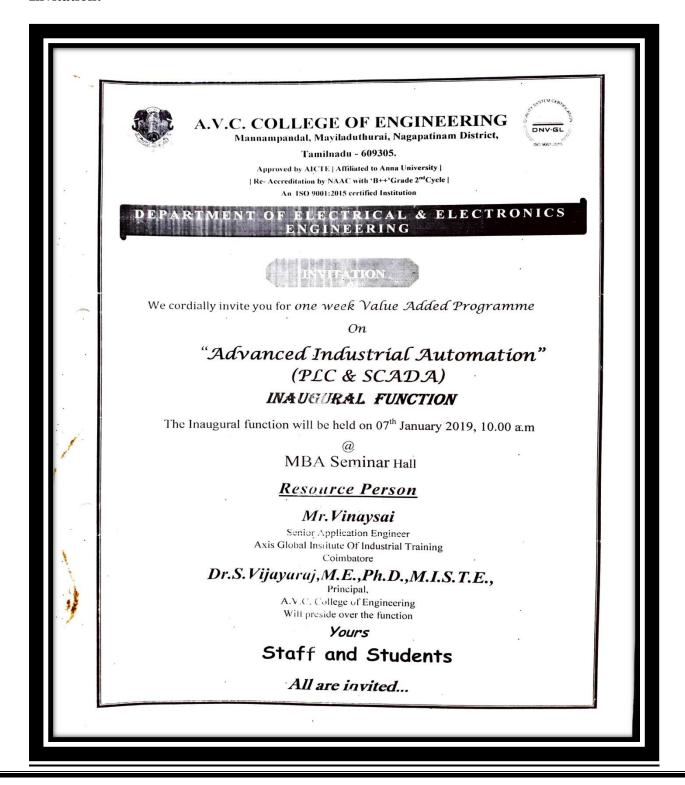
### **Department of Electrical and Electronics Engineering**

Title of the Program: Advanced Industrial Automation training (PLC & SCADA)

Chief Guest details: Mr. Vinaysai, Senior Application Engineer, AGIIT, Coimabatore

Co-ordinator: Mr.G.Ashokkumar & Mr.R.Selvaganapathy, Assistant Professor-EEE, AVCCE

**Invitation:** 



## Agenda:



# A.V.C. COLLEGE OF ENGINEERING

DNV-GL

MANNAMPANDAL, MAYILADUTHURAI

Department of Electrical & Electronics Engineering

Day: Monday Time: 10.00 am

Date: 07/01/2019 Venue: MBA Seminar Hall

**AGENDA** 

Prayer : Students

Welcome Address : Dr. A. Ravi

HoD/EEE

Keynote address : Dr. S.Vijayaraj

Principal/AVCCE

Special Address : Dr.G.Pradeep

Dean (Academics)

Address by resource person : Mr. Vinaysai

Senior application engineer

AGIIT-Coimbatore

Vote of Thanks : G.Ashok kumar

AP /EEE

National Anthem : Students

## **Program Report: "Advanced Industrial Automation (PLC – SCADA)"**

The Department of Electrical & Electronics Engineering, AVCCE organized Value Added Programme on "Advanced Industrial Automation (PLC – SCADA)" during 7.1.2019 to 11.1.2019. The main objective of this programme was to make awareness among the budding engineers with the conceptual as well as practical knowledge of the Industrial Automation and latest technologies - Programmable Logic Controller - PLC and Supervisory Control and Data Acquisition - SCADA.

Title: Advanced Industrial Automation (PLC – SCADA)

Duration: **7.1.2019** – **11.1.2019** 

Resource person: Mr. Vinaysai, Senior application Engineer, AGIIT - Coimbatore

No. of Participants: 48

**About programme:** On 7.1.2019, the Programme is inaugurated by our principal Dr. S. Vijayaraj, M.E, Ph.D. and special address is given by Dr. G. Pradeep, Dean (Academics). Forty eight student's participants have participated in this programme. Mr. Vinaysai, Senior application Engineer, AGIIT – Coimbatore, elucidated about the basics of PLC and SCADA and its applications in the field of Electrical Engineering.

During this five days programme, the resource person covered materials relevant knowledge and skill set to appreciate the rapid changing scenario in automation systems and take advantage of this in their future career. Practical/laboratory sessions are held, which will supplement the knowledge disseminated during the lecture sessions with adequate hands on experience.

#### **Topics covered:**

- Introduction to Automation and Evolution in Industrial Automation (A Brief History)
- Introduction to PLCs
- PLC Advantages over Microcontrollers
- Area Of Applications
- DATA Flow during Automation
- SCADA Introduction & Its Need
- Detail study of PLC & SCADA
- PLC I/Os Basics, Burning & Interfacing Concepts
- Allen Bradley & Rockwell Automation's Details
- Ladder Diagram Basics
- How To Take Input From Panel and How To Give Output To Panel
- Hands on PLC Training Kit

We have received good feedback from the participants. Our principal Dr. S. Vijayaraj, M.E, Ph.D. distributed the certificates to all the participants.

# **Photos:**





# <u>Student Attendance: Advanced Industrial Automation (PLC – SCADA)</u>

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