ONE-DAY WORKSHOP ON INDUSTRIAL AUTOMATION AND PLC 29th March 2017

TEACHER'S ACTIVITY REPORT 2016 - 2017

FACULTY: SCIENCE DEPARTMENT/COMMITTEE: ELECTRONICS IQAC ACTIVITY No: SVC/2016-17/ELECT/NK/2

| NAME OF THE ACTIVITY: ONE-DAY WORKSHOP ON INDUSTRIAL AUTOMATION AND PLC | | | | |
|---|--|------------------------------|--|--|
| DATE | FACULTY | DEPARTME NT/ COMMITTEE | COORDINATOR NAME | |
| 29 March, 2017 | Science | Electronics | Dr Neeru Kumar Dr Rakhi Narang Dr Swati Sharma Ms Shubhra Gupta | |
| TIME | VENUE | NUMBER OF PARTICIPANTS | NATURE: OUTDOOR/INDOOR | |
| NA | Sri Venkateswara College | | Indoor | |
| SUPPORT/ASSISTANCE | Sri Venkateswara College, Futuronix Automation (P) Ltd, IEEE EDS Delhi Chapter | | | |

BRIEF INFORMATION ABOUT THE ACTIVITY (CRITERION NO.: III)

| TOPIC/SUBJECT OF THE ACTIVITY | One Day Workshop On Industrial Automation and PLC (Programming Logic and Control) |
|-------------------------------------|--|
| OBJECTIVES | ♣To make students aware of industrial automation♣To have hands on plc programming practice |
| METHODOLOGY | ♣Role of Automation in Industry ♣PLC Programming for Automation ♣Demo on PLC Wiring ♣PLC Programming on Screen Based Simulator ♣Time Based Programming |
| OUTCOMES | Successfully learnt about Basic and Industrial Automation using PLC Programming |

PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached)

| Notice & Letters 🗸 | Student List of Participation | Activity Report 🗸 | Photos 🗸 | Feedback Form |
|--------------------|-------------------------------|-------------------|-----------|---------------|
| Feedback Analysis | News Clip with details | Certificate 🗸 | Any Other | |

| IQAC Document No: | Criterion No: III | Metric No: |
|----------------------|-------------------|------------|
| Departmental File no | IQAC File No; | |

| NAME OF TEACHER & SIGNATURE | NAME OF HEAD/ COMMITTEE INCHARGE & SIGNATURE | IQAC COORDINATOR (SEAL & SIGNATURE) |
|-----------------------------------|--|-------------------------------------|
| DR NEERU KUMAR | DR NEERU KUMAR | |

For Reference

| Criterion I | Curricular Aspects (planning & Implementation) | Criterion V | Student Support & Progression |
|---------------|--|---------------|---------------------------------------|
| Criterion II | Teaching Learning & Evaluation | Criterion VI | Governance |
| Criterion III | Research, Innovations & Extension | Criterion VII | Institutional Values & Best Practices |
| Criterion IV | Learning Resources and Infrastructure | | |

PROOFS & DOCUMENTS

Notice & Letters

Confirmation from Futuronix Automation (P) Ltd.

4/2/2021

Gmail - Fwd: Workshop on Industrial Automation



Hari Singh <hari19june@gmail.com>

Fwd: Workshop on Industrial Automation

Swati Sharma <sharma.swati1507@gmail.com> To: Hari Singh <hari19june@gmail.com> Sat, Mar 20, 2021 at 4:45 PM

----- Forwarded message ------

From: Prashant Upadhyay <prashant@futuronix.in>

Date: Sat, 25 Mar 2017, 15:43

Subject: Workshop on Industrial Automation
To: <sharma.swati1507@gmail.com>

Dear Madam,

As per our telephonic conversation, we will organize the workshop on 29th March, 2017. The details of program is as under:

Program Title:- Workshop on Industrial Automation and PLC

Charges: Rs. 230/- per student for one day programme

Thanks and Regards

Prashant Upadhyay

Sr. Executive

Activity Report One-Day Workshop on Industrial Automation and PLC 29th March 2017

Industrial Automation & PLC

The Department of Electronics successfully organized a one day workshop on Industrial Automation and PLC i.e. Programming Logic and Control on 29th March, 2017 which was sponsored by IEEE eds Delhi chapter. This workshop was conducted by Futuronix Automation (P) Ltd which was seeded by Cornet Engineering (P) Ltd & is in association with Schneider.

The session began with an introduction to automation. Automation is a technique in which a device is made to process itself by applying a suitable programmable logic control system to it. With the ongoing tech-era, Automation industry has made its own niche in almost every field. We have Industrial, Office, Scientific, Building & substation automation industries running worldwide. Automation is used in various fields like automobile, handling hazardous chemicals, toxic chemicals, pharmaceuticals, glass making, machining, chocolate making etc. Next session began with the basics of Industrial Automation on the software "Twido Suite". Basic information regarding the software and PLC, which is a

Next session began with the basics of industrial Automation on the software "Twido Suite". Basic information regarding the software and PLC, which is a virtual combination of relays, timers & counters, was given. Ladder logic was explained and various logic gates were made with the help of ladder logic. The session ended with few advanced examples performed via "Twido Suite". Industrial Automation is one of the finest platforms for building a career. PLC is considered one of the best technologies due to its high efficiency, cost effectiveness, occupying low space and flexibility in operation.





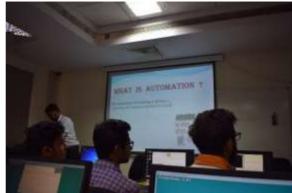




Did you know that electricity plays a role in the way your heart beats? Electricity causes muscle cells in the heart to contract. Electrocardiogram (ECG) machines, used by medical professionals, measure the electricity going through the heart. As the heart beats in a healthy person, the ECG machine displays a line moving across the screen with regular spikes

Photos

















Certificate





SRI VENKATESWARA COLLEGE (University of Delhi)

Internal Quality Assurance Cell

Prof C. Sheela Reddy Principal Sri Venkateswara College

IQAC Coordinator Dr. N. Latha Department of Biochemistry

External Members Prof Debi P Sarkar Department of Biochemistry University of Delhi South Campus

Prof Alo Nag University of Delhi South Campus

Dr. Gitanjali Yadav NIPGR, Delhi

Internal Members Dr. Meenakshi Bharat Department of English

Dr. Lalitha Josyula Department of Electronics

Dr. Namita Pandey Department of Political Science

Dr. A. K. Chaudhary Department of Physics

Dr. K.C. Singh Department of Physics

Dr. Swarn Singh Department of Mathematics

Dr. Neeraj Sahay Department of History

Dr. Vartika Mathur

Dr. Shruti Mathur Department of Commerce

Dr. Padma Priyadarshini Department of Sociology

Dr. Nimisha Sinha Department of Biochemistry

Shri D. Venkat Ramana

Sri Venkateswara College

Coordinator, IQAC Sri Venkateswara College (University of Delhi) Dhaula Kuan, New Delhi-110021

N. Latta

IQAC Coordinator

This is to certify that the Activity report (Teacher/Department /Society/Association) has been submitted for documentation to IQAC, Sri Venkateswara College, University of Delhi.

C. Suchaliday PRINCIPAL

Sri Venkateswara College

PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhauta Kuan, New Delhi-110021

Website: www.svc.ac.in

E-mail:iqac@svc.ac.in