



# **RCC INSTITUTE OF INFORMATION TECHNOLOGY**

**CANAL SOUTH ROAD, BELIAGHATA, KOLKATA – 700 015**

## **Report on**

### **Two Day Student's Workshop on "Introduction to PLC & its application – II"**

#### **Organized by Department of Applied Electronics & Instrumentation Engineering**

#### **RCC Institute of Information Technology**

#### **Financially Sponsored by TEQIP II**

The Department of AEIE, RCCIIT had organized two day student's workshop on "Introduction to PLC & its Application" on 27.01.2016 and 28.01.2016 in the Institute Campus.

The inaugural session and the theoretical sessions of the said program were organized in the class room of the Department (Room No. N416), located in the fourth floor of the new building while the practical cum hands on session were carried out in different laboratories of the Department namely Telemetry & Remote Control Lab(N 415), Control & Design lab(N408) and Software Simulation Lab (N017).

The workshop was intended for the students of third (3<sup>rd</sup>) year and second (2<sup>nd</sup>) year AEIE. The total intake of the program was limited to sixty (60) due to the space criterion.

The workshop was attended by fifty nine students on both the days along with the Departmental members who were the part of the Organizing committee. Although sixty students registered for the event, one of them could not attend the sessions due to health related problems.

The inaugural session was enriched by the auspicious presence of our Respected Chairman Sir, Respected Principal Sir, Respected Dean of Academics Sir, Respected Dean of Student Affairs Sir, Head of the Electrical Engineering Department, Head of the AEIE Department along with Mr. Sumanta Dey, (Senior Engineer, Electric at Low Voltage, Jacobs) who was the Invited Speaker for the first session.

The first session was mainly on the theoretical aspects of a PLC, its architecture, applications, signal flow, programming logic etc.

Post lunch session on the first day was again a theoretical session conducted by the Head of the Department of AEIE on the basics of PLC, its internal configuration, symbols involved, programming examples etc.

On the second day, the students were divided into three groups A, B & C namely and were distributed to three different laboratories for hardware hand on, software simulation of the programs and demonstration of different modernized set of instruments present in our Department.

During the post lunch session on the second day, the groups were interchanged among themselves and the same sessions were repeated in the above said laboratories.

Special effort was given to the fact that the students could gain some practical concepts regarding the operation of the instruments and its application in today's Industry as much as possible. They were informed about the future aspects in this domain and the possible fields of recruitment related to PLC and Instrumentation Engg.

After the final session on the second day, students assembled at Room No N416 for the Evaluation Test followed by the Feedback Session.

During the concluding session, Vote of Thanks was given by the Head of the Department, AEIE and the suggestions/remarks of the students were noted down.



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Here are some of the pictures of the said workshop:



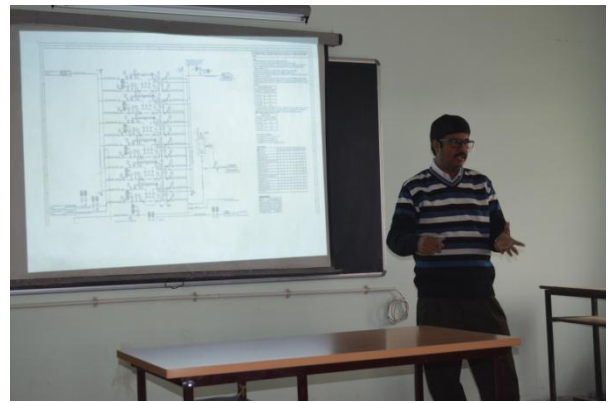
**Figure1: Group photographs of Students.**



**Figure2: Inaugural Speech of Respected Chairman Sir, RCCIIT**



**Figure3: Inaugural Speech of Respected Principal Sir, RCCIIT**



**Figure4: Theoretical Session of Mr. Sumanta Dey, Senior Engineer, Electric at Low Voltage, JACOBS.**



**Figure5: Session of HOD Sir, Dept. of AEIE, RCCIIT**



**Figure6: Hands on Session with the PLC hardware set up.**



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## List of Participants

Sl. No.	Name of Student	University Roll No.	Year
1	Jayasri Sarkar	11700512026	4th
2	Titir Rakshit	11700512061	4th
3	Sharmistha Das	11700513038	3rd
4	Maushumi Mandal	11700513018	3rd
5	Tithi Sardar	11700513050	3rd
6	Shaileyee Baksi	11700513037	3rd
7	Sampurna Saha	11700513034	3rd
8	Rohan Guin	11700513030	3rd
9	Somobrata Ghosh	11700513041	3rd
10	Nilesh Majumder	11700513021	3rd
11	Avidipta De	11700513009	3rd
12	Arisha Ghosh	11700513007	3rd
13	Ritam Dholay	11700513029	3rd
14	Mainak Deb	11700513017	3rd
15	Anindita Paul	11700513004	3rd
16	Rupkatha Chakraborty	11700513033	3rd
17	Satapama Maulik	11700513036	3rd
18	Disharee Saha	11700513015	3rd
19	Arindam Das	11705514039	3rd
20	Mehendi Roy	11705514042	3rd
21	Sujoy Basak	11700513049	3rd
22	Souvik De	11700513044	3rd
23	Uddalok Chatterjee	11700513053	3rd
24	Mridul Sanpui	11700513020	3rd
25	Gobinda Kayal	11700513016	3rd
26	Payal Saha	11705514043	3rd
27	Antara Ghosh	11705514006	2nd
28	Srijeeta Mukherjee	11705514031	2nd
29	Taniya Sen	11705514038	2nd

Sl. No.	Name of Student	University Roll No.	Year
30	Sukanya Basu	11705514034	2nd
31	Eleena Ghosh	11705514015	2nd
32	Sumana Samanta	11705514035	2nd
33	Somadrita Chattopadhyay	11705514029	2nd
34	Prajukti Das	11705514023	2nd
35	Suvarn Kumar Sar	11705514036	2nd
36	Angshuman Bhattacharjee	11705514004	2nd
37	Shubham Paria	11705514033	2nd
38	Joydeep Dutta	11705514016	2nd
39	Shovan Karmakar	11705514028	2nd
40	Md. Sajid Alam	11705514019	2nd
41	Debojit Mondal	11705514013	2nd
42	Prateek Sarkar	11705514024	2nd
43	Swastika Bhattacharya	11705514037	2nd
44	Sourav Mukherjee	11705514030	2nd
45	Arpan Chakraborty	11705514010	2nd
46	Ananda Ghosh	11705514003	2nd
47	Arghya Hazra	11705514007	2nd
48	Mrinmoyee Bhowmik	11705514021	2nd
49	Debosruti Bhattacharya	11705514014	2nd
50	Subhrajit Kundu	11705515060	2nd
51	Navoneel Banerjee	11705515056	2nd
52	Sachin Kr. Prajapati	11705514026	2nd
53	Junesh Basak	11705514041	3rd
54	Subham mukherjee	11700513045	3rd
55	Ritika Dey	11705514026	2nd
56	Md. Aasim Anwar	11705514020	2nd
57	Aishwarya Ghosh	11705514001	2nd
58	Md Sadik Mohammad Mollick	11705515059	2nd
59	Arpan Roy	11700513008	3rd