

Report on Workshop on "Basics of PLC & Ladder Logic Design" In association with Mitsubishi Electric India

The Department of Electrical and Electronics SVITS successfully conducted a workshop on "Basics of PLC & Ladder Logic" for the SVITS,SVVV and other colleges students under the industry academia collaboration with Mitsubishi Electric India.

Particulars	Details
Objective	The objective of the workshop is to learn about PLC technological tools and ladder logic language which is used for programming of PLC.
Date	01 & 02 FEB 2022
Time	11:00pm to 1:00pm
Торіс	Basics of PLC & Ladder Logic Design
Speakers	Ms. Esha Varshney,Engineer FAC MEI (Day 1) Mr. Tarun Nagar, Engineer FAC MEI (Day 2)
No. of students registered	47
No. of students attended	34

The details of the webinar are as follows-

<u>Summary</u>

<mark>Day_l</mark>

Prof. Lalit Bhanwrela (Incharge of Mitsubishi Factory Automation Lab at EEE Dept. SVITS) was the moderator of the event and he welcomed the guest speaker Ms. Esha Varshney, Engineer FAC MEI along with Prof. Jitendra Managre EEE Dept on Day 1. After this Prof. Lalit Bhanwrela gave a brief introduction of the Mitsubishi Factory Automation Lab to the audience. The webinar session saw an overwhelming response from all registered students. A total of 34 students out of 47 students attended the session and some faculty members also participated in the session. Ms. Esha Varshney, as the guest speaker, talked about Industry 4.0 and segments of PLC. She covered the technical configuration of Mitsubishi PLC products and their applications. She also gave a brief introduction about Input Modules and concepts of source and sink input which are used in PLC like Ladder, Function block diagram, Sequential functional block, Instruction list and Structured text etc.

<u>Day_II</u>

Prof. Lalit Bhanwrela (Incharge of Mitsubishi Factory Automation Lab at EEE Dept. SVITS) was the moderator of the event and he welcomed the guest speaker Mr. Tarun Nagar, Engineer FAC MEI along with Prof. Jitendra Managre EEE Dept. In the second session of this workshop he talked about the programming part and gave the examples of motor power on-off PLC programs, timer based power operations etc. After the session students asked various questions in the Q&A part and all the questions were technically handled by the speaker. In the end Prof. Jitendra Managre EEE Dept. proposed the words of thanks.

Glimpse of Workshop

Day_1









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