# Skill development on PLC and SCADA

SCADA is a software which enables engineers, supervisors, managers and operators to view and interact with the workings of entire plant operations through graphical user interface where the whole process is graphically represented on large screen. Programmable Logic Controllers (PLC) enables a process to run automatically on logical input. Earlier PLCs use to run separately for individual process. With advancement in holistic control, today automation systems use PLCs and SCADA combination. SCADA constantly gathers data from the plant in real-time, stores and processes it in the database, evaluates and generates alarms, displays information to plant operators, supervisors and managers and can issue instructions to PLCs on the plant floor. This gives better monitoring and control of the plant and also access to the information the way it is required. Therefore it has become essential for engineering students aspiring to enter industries to undergo PLC SCADA Training. SCADA runs on a PC and is generally connected to various PLCs and other peripheral devices.

Hands on training on PLC and SCADA for duration of 60 hours were arranged for the students of 3dr and 4$^{th}$ year EN branch. 37 numbers of students were given training during October to November, 2016.