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This article introduces an education simulation system built on Programmable Logic Controllers (PLC).

A PLC (Programmable Logic Controllers) is an industrial computer used to monitor inputs, and depending upon their state make decisions based on its program or logic, to control (turn on/off) its outputs to automate a machine or a process.

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The PLC is primarily used to control machinery. A program is written for the PLC which turns on and off outputs based on input conditions and the internal program. In this aspect, a PLC is similar to a computer. However, a PLC is designed to be programmed once, and run repeatedly as needed. In fact, a crafty programmer could use a PLC to control not only simple devices such as a garage door opener, but their whole house, including turning lights on and off at certain times, monitoring a custom built security system, etc.

PLCs are becoming more and more intelligent. In recent years PLCs have been integrated into electrical networks i.e. all the PLCs in an industrial environment have been plugged into a network which is usually hierarchically organized. The PLCs are then supervised by a control center. There exist many proprietary types of networks. One type which is widely known is SCADA (Supervisory Control and Data Acquisition).

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If you have realized about its benefit, what you need to do know is to join in a PLC automation training center available in Chennai, as this place is one of the best places for learning PLC.By joining in our you can develop your skill and become a skilled plc programmer.

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