

FDP-11	PLC AND SCADA (2 WEEKS)	04.06.2018 to 15.06.2018
<p>OBJECTIVES:</p> <ul style="list-style-type: none"> ➤ Understand the operation of PLC ➤ Interface PLCs with working models ➤ Interface PLCs with encoders, Analog I/Os and HMI ➤ Use SCADA software for PLC applications <p>PARTICIPANTS:</p> <p>Teachers of Electrical, Electronics and Instrumentation Engineering</p> <p>INPUT:</p> <p>Components of PLC - Instruction set of Allen Bradley PLC - Bit logic - Timers - Counters - Compare - Move – Math instructions - Program control and Indexed addressing - Subroutines - Interrupts - Programming for specific applications - Interfacing PLC with working models - Basics of SCADA system - Memory Tags- Device tags – Alarm Logging – Data Logging - Interfacing PLC with SCADA software</p> <p>Analog I/Os - High Speed Counters – Encoders - Real Time Clock – PWM output – Selectable Timed Interrupts - PID - PLC based PID – Programming the HMI.</p> <p>PROCESS:</p> <ul style="list-style-type: none"> ➤ Lecture ➤ Demonstration ➤ Lab sessions ➤ Industrial Visit <p>OUTPUT:</p> <p>Participants will be able to:</p> <ul style="list-style-type: none"> - handle the PLC theory and lab classes - develop ladder diagram for specific applications - carry out PLC based projects. <p>RESOURCE PERSONS:</p> <ul style="list-style-type: none"> ➤ Dr. P. Sivasankar ➤ Guest Faculty 		
COORDINATOR	VENUE	LAST DATE FOR RECEIPT OF APPLICATIONS
Dr. G.A. Rathy	NITTTR , Chennai	15 days prior to the start of the programme