

<b>FDP-224</b>	<b>Basic Course on PLC</b>	<b>12.02.2018 to 16.02.2018</b>
<p><b>OBJECTIVES:</b></p> <ul style="list-style-type: none"> <li>➤ Understand the operation of PLC</li> <li>➤ Interface PLCs with working models</li> <li>➤ Interface PLCs with encoders, Analog I/Os and HMI</li> <li>➤ Use SCADA software for PLC applications</li> </ul> <p><b>PARTICIPANTS:</b></p> <p>Teachers of Electrical, Electronics and Instrumentation Engineering</p> <p><b>INPUT:</b></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 - Interfacing PLC with SCADA software</p> <p>Analog I/Os - High Speed Counters – Encoders - Real Time Clock – PWM output – Selectable Timed Interrupts – PID – single &amp; cascaded - PLC based PID – Programming the HMI – Introduction to AB 820 PLC.</p> <p><b>PROCESS:</b></p> <ul style="list-style-type: none"> <li>➤ Lecture</li> <li>➤ Demonstration</li> <li>➤ Lab sessions</li> <li>➤ Industrial Visit</li> </ul> <p><b>OUTPUT:</b></p> <p>Participants will be able to</p> <ul style="list-style-type: none"> <li>- handle the PLC theory and lab classes</li> <li>- develop ladder diagram for specific applications</li> <li>- carry out PLC based projects.</li> </ul> <p><b>RESOURCE PERSONS:</b></p> <ol style="list-style-type: none"> <li>1. Dr. P. Sivasankar</li> <li>2. Guest Faculty</li> </ol>		
<b>Coordinator</b>	<b>Venue</b>	<b>Last date for receipt of applications</b>
Dr. G.A. Rathy	NITTTR, Chennai	15 days prior to the start of the programme