



Course Title: 'Programming with Siemens S7-1200 PLC'

Section Heading		Content Guidelines
1.	Course Rationale	This course is designed for Polytechnic/B. Tech passed out students who wish to learn Siemens PLC along with hands on practice.
2.	Course Details	<p><u>Objective</u> This course will cover installation and familiarization of PLC hardware, software, PLC languages, PLC communication with field devices etc. Course participants will learn to program, operate and control Siemens S7 1200 plc through multiple designed jobs and hands-on practices.</p> <p><u>Training Outcomes</u> On completion of this course, participants will be able to:</p> <ul style="list-style-type: none"> • Install PLC software. • Wire PLC hardware. • Start up, shut down and maintain PLC hardware equipment. • Identify field input and output devices to be integrated with PLC hardware. • Identify safety precautions for during PLC communication. • Able to write programs for different assigned logics. • Download and upload designed programs to PLC hardware.
3.	Certification	<ul style="list-style-type: none"> • The certification will be done by WSC, Bhubaneswar. • Criteria: (a) 100 % attendance (b) 50% score in practical assignments
4.	Entry requirement	Diploma/B. Tech passed out students from below branches. <ul style="list-style-type: none"> a) Electrical Engineering b) Electronics Engineering c) Mechatronics Engineering d) Electrical and Electronics Engineering
5.	Batch Size	20
6.	Duration	5 days
7.	Time	10 AM to 5 PM
8.	Course Fee	1000/- per participant
9.	Name &contact No. of course director	Radhakrushna Dey, Mob No-7010393724