Programmable Logic Controller Labs

Safety and Orientation
		Syllabus
1	Lab 1-1	Safety

PLC Hardware
2	Lab 2-1	PLC Hardware
	Lab 2-2	PLC Industrial Trainer

PLC Programming Software
3	Lab 3-1	RSLOGIX Programming Software
4	Lab 3-2	Programming With Symbols

Number Systems
5	Lab 4-1	PLC Files and Number Systems

Decoder/Encoder Applications
6	Lab 5-1	PLC Logic Gates
7	Lab 5-2	BCD Thumbwheel Switch
8	Lab 5-3	Binary to Decimal Decoder
9	Lab 5-4	Seven Segment Decoder Driver
10	Lab 5-5	Disney World Ride

Controlling Pneumatic Applications
11	Lab 6	Program 6-1
12		Program 6-2
13		Program 6-3
14		Program 6-4
15		Program 6-5

Sensor Applications
16	Lab 7-1	Proximity Sensors
17	Lab 7-2	Photo Sensors

PLC Timer Applications
18	Lab 8-1	Types of PLC Timers
19	Lab 8-2	Timer Dwell Applications - Dbl Solenoid
20		Timer Dwell Applications - Single Solenoid
21	Lab 8-3	Generating Timing Pulses -two TON timers
22		Generating Timing Pulses -TOF One-Shot
23	Lab 8-4	Clocks & System Timers - TON Clock
24		Clocks & System Timers - System Clock
25	Lab 8-5	Anti-Tie Down Press Application
26	Lab 8-6	Time Driven Sequence
27	Lab 8-7	Fault Detection Timer

PLC Counter Applications

Data manipulation Applications

Math Instruction Applications

Program Control Applications

Rung Sequencing Applications

Sequencer Instruction Applications

File Applications

Troubleshooting