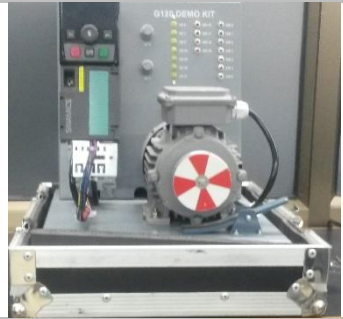



ELECTRICAL LABORATORY

About Laboratory:

Electrical laboratory help to understand basic function as well as physical properties of electrical components like motor control unit and all LV switch gears.

Laboratory Equipments/Instruments:

Sr. No.	Name of Equipment/Instrument	Specifications	Qty.	Figure
1	SINAMICS G120 AC Drive (3-Phase AC motor with 0.18KW, 0.57Amp/415Y Volt)	G120 is an AC drive, which can be controlled as per the requirement through programming. Applications conveyer belts, Wind Turbine etc.	5	
2	SINAMICS 6RA80 DC master Drive (DC Shunt Motor of 2Hp, 440Volt/4Amp armature rating)	Sinamics DC master drive is similar to G120 but which is used in heavy applications like Cranes, Hoists etc.	2	

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<p>3</p>	<p>ACB: 3WT Series: 630 Amp 3WL Series: 1000 Amp</p>	<p>Air circuit-breakers can be used both as circuit-breakers for general protection (of plants, of user complexes, of electric lines) and as protection circuit-breakers of electrical machines (generators, motors, transformers, capacitors).</p>	<p>1</p>	
<p>4</p>	<p>Soft-starter panel 3RW44 series</p>	<p>Soft starter is used for smooth starting and stopping operations for controlling 3-phase IM.</p>	<p>1</p>	
<p>5</p>	<p>SIMOCODE</p>	<p>SIMOCODE is the flexible and modular motor management system for low voltage motors, which can easily and directly be connected to automation systems via PROFIBUS DP. It covers all functional requirements between the motor feeder and automation system. Further, it combines in just one</p>	<p>1</p>	

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		compact system all required protection, monitoring and control functions for every motor feeder. This therefore helps you to increase the process control quality and reduce costs at the same time – from planning through installation right to operation or service of a plant or system.		
6	Type 2 coordination Kit	Different protection type combinations using Fuse, MPCB, Contactor, Soft-Starter and OLR	1	

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7	MCCB Kit	3VT and 3VL series SIEMENS MCCB	1	<p>MCCB - 3VT MCCB - 3VA</p>
8	Timer-Relay Kit	Different times and voltage, current monitoring relay	1	<p>TIMER & RELAY KIT</p>
9	Star-Delta Starter kit	Classic and Innovative types	1	<p>STAR - DELTA STARTER KIT</p>

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10	PAC4200	Analyzing and monitoring of power supply	6	
11	LVSG	Different series of LV switch gears of SIEMENS	1	
12	Dell Precision T1700 Work Station	Intel(R) Xenon(R) CPU E3-1226 v3 @3.30 GHz, 16 GB RAM	8	