About Laboratory:

Automation laboratory is used to understand the roll of programmable logic controller in complex system, modules and sub-systems. It has controller for small machines and small automation system with an integrated interface for programming with CPU as well as HMI communication. It has controller for industrial application such as automobile, manufacturing industries and process industries.

Laboratory Equipments/Instruments:

Sr. No.	Name of Equipment/Instrument	Specifications	Qty.	Figure
1	S7 1200 PLC Kit (S7 1200 1214C PLC, 14 Digital Input and 10 Digital Outputs, 2 analog inputs, Signal Board for 1 analog output, Basic HMI panel KTP 700)	Being the follow-up generation of the SIMATIC S7-1200 the controllers can be used in a versatile manner for small machines and small automation systems. Simple motion control functionalities are both an integral part of the micro PLC and an integrated PROFINET interface for programming, HMI link and CPU-CPU communication.	1	

2	S7 300 PLC Kit: (S7 300 314C PN/DP PLC, 24 Digital Input and 16 Digital Outputs, 5 Analog inputs, 2 Analog output, Distributed I/O - ET200S, Module (151-3), Comfort HMI panel TP 700)	S7 300 is similar to S7 1200, which is used in standard/industrial applications such as automobile, manufacturing industries and process industries.	6	
3	Dell Precision T1700 Work Station	Intel(R) Xenon(R) CPU E3-1226 v3 @3.30 GHz, 16 GB RAM	7	