

Maharaja Ranjit Singh Punjab Technical University, Bathinda

Name of Item:		Purchase of Apparatus for Industrial Automtaion & Robotics Lab at PIT GTB Garh (Moga)	
Sr. No.	Description of Item	Qty.	Unit
1	Design and assembly of hydraulic circuit.	1	No.
	Basic Hydraulic circuit Hydraulic Trainer Model:- GN 7655		
2	Design and assembly of pneumatic circuit.	1	No.
	Basic Pneumatic circuit Pneumatic Trainer Model:- GN 7645		
3	Demonstration and working of power steering mechanism	1	No.
	Model of power steering mechanism		
4	Study of reciprocating movement of double acting cylinder using pneumatic direction control valves Use of direction control valve and pressure control valves clamping devices for jig and fixture Study of robotic arm and its configuration Study the robotic end effectors	1	No.
	Robotic end effectors, Valve Systems & Robotic arm		