

# DEPARTMENT OF ELECTRICAL ENGINEERING

## CONTROL SYSTEMS LABORATORY

### List of Major Equipment:

No	EQUIPMENT/SOFTWARE	MAKE	UNITS	FUNDING	Year of Procurement	Cost (Lakhs of Rs.)
1	DC MODULAR SERVO SYSTEM MS150	FEEDBACK INSTRUMENTS, UK	1	TEQIP	2004	6.90
2	PENDULUM CONTROL SYSTEM (INVERTED PENDULUM/OVERHEAD CRANE)	BYTRONIC LTD, UK	1	TEQIP	2004	5.00
3	LEVEL PROCESS STATION	Vi MICROSYSTEMS PVT LTD, INDIA	1	TEQIP	2004	0.52
4	UNIVERSAL FPGA SYSTEM AND DEVELOPMENT BOARD	Ni LOGIC PVT LTD, INDIA	1	MHRD PROJECT	2004	1.22
5	LOGIC ANALYZER, 34 CHANNELS	TEKTRONIX, USA	1	MHRD PROJECT	2005	4.46
6	DSP TRAINER KIT	TEXAS INSTRUMENTS, USA	1	MHRD PROJECT	2005	0.25
7	FUNCTION/ARBITRARY WAVEFORM GENERATOR	AGILENT, USA	1	TEQIP	2005	0.82
8	VARIABLE PHASE LF GENERATOR	FEEDBACK INSTRUMENTS, UK	1	TEQIP	2005	1.04
9	POWER FUNCTION GENERATOR	FEEDBACK INSTRUMENTS, UK	1	TEQIP	2005	1.37
10	AC MODULAR SERVO SYSTEM MS150 A	FEEDBACK INSTRUMENTS, UK	1	TEQIP	2005	7.24
11	COMPREHENSIVE ROTARY SERVO PLANT (FLEXIBLE LINK & JOINT MANIPULATORS, BALL & BEAM , ROTARY INVERTED PENDULUM)	QUANSER, CANADA	1	TEQIP	2005	11.50
12	TWIN ROTOR MIMO SYSTEM	FEEDBACK INSTRUMENTS, UK	1	TEQIP	2005	5.21
13	DATA ACQUISITION SYSTEM	KEITHLEY, USA	1	MHRD PROJECT	2006	1.49

14	QUARC SOFTWARE	QUANSER, CANADA	1	TEQIP	2012	0.39
15	PROGRAMMABLE LOGIC CONTROLLER TRAINER	Vi MICROSYSTEMS PVT LTD, INDIA	1	PLAN	2014	0.70
16	PLC REAL TIME APPLICATIONS - BOTTLE FILLING, CONVEYOR CONTROL	Vi MICROSYSTEMS PVT LTD, INDIA	1 each	PLAN	2015	0.45
17	PROGRAMMABLE LOGIC CONTROLLER TRAINER	Vi MICROSYSTEMS PVT LTD, INDIA	1	PLAN	2015	0.72
18	PLC REAL TIME APPLICATIONS – LEVEL CONTROL, DC MOTOR SPEED CONTROL	Vi MICROSYSTEMS PVT LTD, INDIA	1 each	PLAN	2015	0.35
19	6 DOF ROBOT	Vi MICROSYSTEMS PVT LTD, INDIA	1	PLAN	2015	4.00
20	HAPTIC ROBOTIC SYSTEM - OMNI BUNDLE	QUANSER, CANADA	1	TEQIP	2015	7.34
21	WHEELED MOBILE ROBOT - QBOT	QUANSER, CANADA	1	TEQIP	2015	3.06
22	PPC CONTROLLER BOARD dSPACE ACE Kit 1103 PX4 CLP	dSPACE, GERMANY	1	PLAN	2015	13.98
23	5DOF PHANTOMX PINCHER ROBOT ARM	TROSSEN ROBOTICS, USA	1	PDA	2015	0.35
24	SPARTAN-6 FPGA	XILINX	1	PLAN	2016	3.26
25	AIR STREAM TEMPERATURE CONTROL SYSTEM	LD DIDACTIC GmbH, GERMANY	1	TEQIP	2017	8.88
26	MULTIPLE POWER SUPPLY	SCIENTIFIC	7	PLAN	2017	1.00
27	FUNCTION GENERATOR CUM POWER SUPPLY	SCIENTIFIC	3	PLAN	2017	0.48
28	FIRE BIRD V ATMEGA2560 ROBOT, [EDUCATIONAL SMALL MOBILE ROBOTICS WITH ACCESSORIES]	NEX ROBOTICS PVT LTD, INDIA	1 SET OF 8 ROBOTS	PLAN	2019	4.75
29	TYRONE WORKSTATION WITH AMD:AMD RYZEN THREADRIPPER PRO 3955 WX PROCESSOR, 128GB QUADRANT:Q2	NETWEB TECHNOLOGIES	1	PLAN	2022	5.00
30	DC BOOST CONVERTOR 500W	INQBE, INDIA	1	PLAN	2022	0.55
31	REALSENSE DEPTH CAMERA D455	INTEL, USA	2	PLAN	2022	0.73

32	DIGITAL STORAGE OSCILLOSCOPE	TEKTRONIX/ AGILENT	8	TEQIP/ PLAN		
33	FUNCTION GENERATOR	ANUSHMAN/ SCIENTIFIC	8	TEQIP/ PLAN		
34	MATLAB	MATHWORKS, USA		PLAN		
35	LABVIEW	NATIONAL INSTRUMENTS, INDIA		PLAN		

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Status Updated: October 2022

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