



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)  
Dundigal, Hyderabad - 500 043

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### CONTROL SYSTEMS LABORATORY

S No	Item	Make	Quantity	Cost per Unit (Rs.)	Total Cost (Rs.)
1	Linear system simulator kit Power supply: +12 V, 250 MA, 40 to 100 HZ a) Sine wave: 0 - 2 V P - P b) Triangular wave: 0 - 2 V P - P c) Trigger spikes: +/- 5 V P - P	Future tech instruments Pvt. Ltd.	02	10,332	10,332
2	DC Motor study kit DC motor 8 W, 12V, coupled to DC generator	Future tech instruments Pvt. Ltd.	01	16,425	16,425
3	AC Servomotor 12V DC supply to motor, Load: 500 $\Omega$ /25 W	Future tech instruments Pvt. Ltd.	01	15,066	15,066
4	PID controller trainer kit variable dc voltage source: +/-1 V 3 1/2 digit, digital voltmeter: +/-19.99 V	Future tech instruments Pvt. Ltd.	01	13,392	13,392
5	Temperature control system study kit Operating temperature: ambient to 900° C, 25W oven fitted with IC temperature sensor	Future tech instruments Pvt. Ltd.	01	13,050	13,050
6	Programmable logic controller trainer unit VFD007E21A, 24 V DC, I/O ports: 8/6, output type relay and transistor	MKR Industrial automations &services	02	17,500	17,500
7	OPAMP based PID Controller OPAMP - 741, 12 V DC	Agarwal Electronics	01	500	500
8	Desktop computer systems, Intel i3 - 4150 core processor, 4 GB RAM, 500 GB hard disk	Dell Vostro 3902	10	21,154	2,11,540
9	MATLAB 9.0	MathWorks, USA	10	6,284	62,840
10	LabVIEW system Design Software	Techfluent Solutions Pvt. Ltd	10	19,774	1,97,740
<b>Total cost</b>					<b>5,58,385</b>
In words - rupees five lakhs fifty eight thousand three hundred and eighty five only					

Date: 07 April, 2022

**PRINCIPAL**