



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)  
Dundigal, Hyderabad - 500 043

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### ELECTRICAL MEASUREMENTS AND INSTRUMENTATION LABORATORY

S No	Item	Make	Quantity	Cost per unit (Rs.)	Total cost (Rs.)
1	Temperature measurement trainer kit 1 - 2.5 A, 115 - 230 V, 4 analog inputs	Future Tech Instruments Pvt. Ltd	01	24,640	24,640
2	Speed measurement trainer module Speed range: up to 1400 rpm, magnetic pickup	Future Tech Instruments Pvt. Ltd	01	21,560	21,560
3	Capacitance trainer module UITM - 18; Vibration generator, 5 N, power amplifier: 0 ~ 10 V P-P variable, vibration sensor, 4½ digit LCD display	Future Tech Instruments Pvt. Ltd	01	29,920	29,920
4	Encoders trainer module Built-in power supply: + 5V DC Fixed clocks: up to 100 KHz, 20 pin, switches: 8	Future Tech Instruments Pvt. Ltd	01	23,320	23,320
5	Pressure measurement Model: UITM-18; 5 N, power amplifier: 0 ~ 10V P-P, 50 to 1000 Hz; Sensor accelerometer, 4½ digit LCD	Future Tech Instruments Pvt. Ltd	01	14,520	14,520
6	LVDT trainer kit 3½ digit LED display with polarity indicator, displacement measurement jig with micrometer.	Future Tech Instruments Pvt. Ltd	01	10,000	10,000
7	Energy meter current rating: 5 - 30 A, 10 - 60 A; 240 V	Physitech Power Systems Pvt. Ltd	01	16,350	16,350
8	Transformer turns ratio Ratio range: 1 - 200.0 / 1 - 2000.0	Physitech Power Systems Pvt. Ltd	01	10,800	10,800
9	Three phase net meter, 3 phase, 50 Hz, 440 V	S.P. Electricals	01	7,459	7,459
10	Kelvin's double bridge trainer kit	S.S Lab Equipments	01	10,000	10,000
11	Schering bridge kit ± 12 V DC at 100 mA, 1 KHz sine wave oscillator	S.S Lab Equipments	01	6,100	6,100
12	Anderson's bridge kit Built in DC power supply, head phone, patch cords	S.S Lab Equipments	01	6,100	6,100
13	Current Transformer Rated burden 5.00 VA, 3 KV	Physitech Power Systems Pvt. Ltd	02	23,076	23,076
14	Stop watch 2- or 24-hour clock operation; stopwatch/chronograph mode with 1/100 sec resolution	Physitech Power Systems Pvt. Ltd	01	1,200	1,200
15	Communication headphones	Future tech instruments Pvt. Ltd.	01	1,408	1,408
16	Desktop computer systems, Intel i3 - 4150 core processor, 4 GB RAM, 500 GB hard disk	Dell Vostro 3902	03	21,154	63,462
17	MATLAB 9.0	MathWorks, USA	03	6,284	18,852
18	LabVIEW system design software	Techfluent Solutions Pvt. Ltd	03	19,774	59,322
<b>Total cost</b>					<b>3,48,089</b>
In words - rupees three lakhs fourty eighty thousand and eighty nine only					

Date: 07 April, 2022

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