

Geethanjali College of Engineering and Technology
(Autonomous)

Department of Electronics and Communication Engineering

Name of the lab: Semiconductor Devices and Circuits Lab/ Digital Design Lab

Room No: 113

Equipment Details

Lab In Charge: Ms. B. Sreelatha

2022-23

Date:24/03/2023

S.no	Year	Name of the Equipment	Qty	Supplier	Bill/Invoice No. &Date	Amount (Rs.)	Year wise Budget
1	2005-06	Decade Resistance Box	03 No.	Physitech Electronics,Sec-bad	029 05/05/2005	2,371.00	1,26,158.00
2		Decade Capacitance Box	03 No			3,619.00	
3		Decade Inductance Box	03 No			3,868.00	
4		Cathode Ray Oscilloscope	03	Physitech Electronics, 6-2-101/6, 101, 102 1 st Floor Secunderabad Phone:27547483	Inv No: 030 15/06/2005	59,700.00	
5		Multi meters	05			7,750.00	
6		DC Regulated Power Supplies	05			21,250.00	
7		Function Generators	06		Inv No: 030 30/06/2005	27,600.00	
8	2006-07	Cathode Ray Oscilloscope(20MHz)	06	Professional Advanced Electronics	170 13/12/2006	90,978.00	90,978
9	2007-08	Decade Resistance Box	03	Physitech Electronics,Sec-bad	138 19/09/2007	2,995.00	17,803.00
10		Decade Capacitance Box	04			6,988.00	
11		Decade Inductance Box	04			7,820.00	

12	2009-10	Cathode Ray Oscilloscope(30MHz)	05	Professional Advanced Electronics	100 06/08/2009	1,01,400	1,01,400.00
13	2012-13	Digital DC Ammeter (0-200mA)	15	Physitech Electronics,Sec-bad	083 26/07/2012	8,820.00	17,640.00
14		Digital DC Ammeter (0-200μA)	15	Physitech Electronics,Sec-bad	083 26/07/2012	8,820.00	
15	2014-15	Regulated Power Supply	15 No	Hi-Q Test Equipment Private Limited Plot No.71&72, Phase-IV,IDA Cherlapally, Hyderabad-5000 51.Ph : 040-27262621,Ce ll : 9396928125	016 30/06/ 2014	52,290.00	1,97,547.00
16		Function Generator	14 No			65,856.00	
17		Digital Multi Meter	13 No			18,427.00	
18		Digital Multirange Volt Meter	30 No			25,987.00	
19		Digital Multirange Ammeter	30 No			25,987.00	
20		Servo Stabilizer	01 No	ZENPOWER SOLUTIONS, HYD	73 08/07/ 2014	9,000.00	
21	2015-16	Decade Resistance Box	05 No	Hi-Q Test Equipment Private Limited Hi-Q Test Equipment Private Limited	081 17/06/2015	4,515.00	45,529.00
22		Decade Capacitance Box	05 No			4,987.00	
23		Decade Inductance Box	05 No			6,825.00	

24		Function Generator	02			10,080.00	
25		Digital DC Voltmeter (0-1000V)	02 No	Physitech Electronics,Sec Bad	. 234 18/02/2016	1,572.00	
26		Digital DC Volt Meter (0-50V)	05 No	SUNSEAS TECH	90 03/03/2016	3,250.00	
27		Digital DC Volt Meter (0-100V)	05 No			3,250.00	
28		Digital DC Ammeter (0-10μA)	05 No			3,250.00	
29		Digital DC Ammeter (0-20μA)	05 No			3,250.00	
30		Digital DC Ammeter (0-50μA)	05 No			3,250.00	
31		Digital DC Volt Meter (0-250V)	02 No	SUNSEAS TECH	94 03/03/2016	1,300.00	
32	2016-17	Regulated Power Supply	05 No	Physitech Electronics, Sec-bad	230 16/02/2017	26,460.00	1,63,568.00
33		Regulated Power Supply	01 No		349 02/03/2017	5,392.00	
34		Function generator	02 No		230 16/02/2017	8,977.00	

35		Decade Resistance Box	03 No	Physitech Electronics, Sec-bad	230 16/02/2017	4,961.00	
36		Decade Capacitance Box	01 No			1,984.00	
37		Digital DC Voltmeter (0-30v)	10 No			7,560.00	
38		Digital DC Ammeter (0-200mA)	10 No			7,560.00	
39		Digital DC Ammeter (0-200μA)	02 No			1,512.00	
40		RC Coupled Amplifier Kit	02 No		226 15/02/2017	3,307.50	
41		Wein Bridge Oscillator Using Transistors Kit	02 No			3,307.50	
42		RC Phase Shift Oscillator Kit	02 No			3,307.50	
43		Darlington Emitter Follower	02 No	Physitech Electronics,Sec-b ad	226 15/02/2017	3,307.50	

44		Active Low Pass Butterworth (Second Order) Kit	02 No			3,780.00	
45		Active High Pass Butterworth (Second Order) Kit	02 No			3,780.00	
46		Clipping And Clamping Circuits Kit	04 No			6,615.00	
47		Transistor As A Switch Kit	02 No		226 15/02/2017	3,307.50	
48		Astable Multivibrator Using Transistors Kit	02 No			3,307.50	
49		Monostable Multivibrator Using Transistors Kit	02 No			3,307.50	
50		Bistable Multivibrator Using Transistors Kit	02 No			3,307.50	
51		Schmitt Trigger Using Transistors Kit	02 No			3,307.50	
52		UJT Relaxation Oscillator Kit	02 No	Physitech Electronics, Sec-bad	226 15/02/2017	3,307.50	

53		Bootstrap Sweep Generator Circuit Kit	02 No			3,307.50	
54		Study of Miller's Sweep Circuit Kit	02 No			5,355.00	
55	2016-17	Integrator/Differentiator Trainer using Op-Amp	1	Physitech Electronics Secunderabad	Inv No: 225 15/02/2017	2,400.00	
56		Function Generator using Op-Amp	1		Inv No: 225 15/02/2017	2,100.00	
57		Active-Low Pass Filters using Op-Amp	1		Inv No: 225 15/02/2017	2,100.00	
58		High Pass Filters using Op-Amp	1		Inv No: 225 15/02/2017	2,100.00	
59		Astable Multivibrator using 555 IC	1		Inv No: 225 15/02/2017	2,100.00	
60		Monostable Multivibrator using 555 IC	1		Inv No: 225 15/02/2017	2,100.00	
61		Schmitt Trigger using Op-Amp	1		Inv No: 225 15/02/2017	2,100.00	
62		Phase Lock Loop using 565	1		Inv No: 225 15/02/2017	3,300.00	

63		Linear Power Supply	1		Inv No: 225 15/02/2017	3,000.00	
64		3 Pin Regulator IC'S Kit	3	Physitech Electronics, 6-2-101/6, 101, 102 I st Floor Secunderabad Phone:27547483	Inv No: 225 15/02/2017	8,100.00	
65		Operational Amplifier Kit	1		Inv No: 225 15/02/2017	2,400.00	
66		5KVA Stabilizer	1	SUN SEAS TECH Chandanagar Serllingampally	Inv No: 140 16/03/2017	11,450.00	
67	2017-18	Multi meters	2	Emtex Engineering Pvt Ltd Khasara, Ghitomi	Receipt No:P13528961 10/02/2018	2,389.40	
68		Full Adder/Subtractor using Decoder 74138	1	Physitech Electronics, Phone:27547483	Inv No: G-124 08/02/2018	2,205.00	
69		Design 8:1 MUX using 4:1 MUX	1			2,205.00	
70		Devide by N counter using two 7490 IC	1		Inv No: G-124 08/02/2018	2,205.00	
71		4 – Bit Parellel Acess Shift Register IC	1			2,205.00	13,414.00

72		Shift Register Counter Johnson and Ring Counter	1			2,205.00	
73.	2018-19	Digital IC Trainer kits With Bread Boards	15 No	Physitech Electronics, Secunderabad	G-145 22/10/2018	1,26,112.50	2,52,225.00
74		Digital IC Trainer Kit	15			1,26,112.50	
75	2019-20	Logic Probe Cum Pulser	01	Biz Hero Pvt Ltd Ganga Jamuna Building Kolkata	No:013626 30/07/2019	2,313..00	2,313.00
76	2020-21	Nil					
77	2021-22	Nil					
78	2022-23	Nil					
79	2023-24	Nil					
80	2024-25	Nil					
Total in Rs.					10,28,575.00		

Lab In Charge

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