



D.N.R.COLLEGE OF ENGINEERING&TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)
(Accredited with A++ Grade by NAAC)



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ELECTRONICS LAB 3

List of Equipment

S.No	Name	Make	Date	Unit Cost	Quantity	Total Cost in Rs.
1	Amplitude Modulation	Perfect Electronics System	08-12-2011	2,200	1	2,200
2	Balanced Modulator & Synchronous Detector	Perfect Electronics System	12-06-2012	2,200	2	4,400
3	Pre emphasis & De emphasis	Perfect Electronics System	08-12-2011	2,200	1	2,200
4	AGC Characteristic	Perfect Electronics System	08-12-2011	3,700	1	3,700
5	PWM Modulator & Demodulator	SRI SRR ENGINEERING ASSOCIATES	08-12-2011	3,700	3	11,100
6	PPM Modulator & Demodulator	Perfect Electronics System	08-12-2011	3520	1	3,520
7	PAM -Modulator & Demodulator	Aquila Technologies	12-06-2012	2750	1	2,750
8	PLL	SRI SRR ENGINEERING ASSOCIATES	26-11-2011	2,500	3	7,500
9	AGC	SRI SRR ENGINEERING ASSOCIATES	26-11-2011	3,700	3	11,100
10	PPM	SRI SRR ENGINEERING ASSOCIATES	26-11-2011	3,850	3	11,550
11	5KW Stabilizer	SRI SRR ENGINEERING ASSOCIATES	28-12-2011	10,500	1	10,500
12	Function Generator 2MHz	Perfect Electronics System	12-06-2012	6500	10	65,000

13	FM Modulator & Demodulator	Perfect Electronics System	12-06-2012	2600	1	2,600
14	Sampling Theorem	Aquila Technologies	12-06-2012	2900	1	2,900
15	Combination of PWM & PPM	Aquila Technologies	12-06-2012	3520	1	3,520
16	Squeleh Circuit	Perfect Electronics System	12-06-2012	3,700	1	3,700
17	SSB Modulation and Demodulation	Perfect Electronics System	12-06-2012	5,300	1	5,300
18	Digital phase Detector	Perfect Electronics System	12-06-2012	3,700	1	3,700
19	Diode detector characteristics	Perfect Electronics System	12-06-2012	3,000	1	3,000
20	diode detector characteristics	SRI SRREENGINEERING ASSOCIATION	20-01-2015	1900	2	3,990
21	Phase locked loop	Perfect Electronics System	12-06-2012	2,600	1	2,600
22	Phase locked loop	SRI SRREENGINEERING ASSOCIATION	26-11-2012	2600	1	2,600
23	Amplitude Modulation	SRI SRREENGINEERING ASSOCIATION	08-12-2011	2,200	3	6,600
24	DSBSC-Modulator-Demodulator	SRI SRREENGINEERING ASSOCIATION	08-12-2011	2,200	3	6,600
25	Pre emphasis & De emphasis	SRI SRREENGINEERING ASSOCIATION	08-12-2011	2,200	3	6,600
26	AGC Characteristics	SRI SRREENGINEERING ASSOCIATION	08-12-2011	3,700	3	11,100
27	PPM Modulator & Demodulator	SRI SRREENGINEERING ASSOCIATION	08-12-2011	3,850	3	11,550
28	PAM -Modulator & Demodulator	SRI SRREENGINEERING ASSOCIATION	08-12-2011	3,850	3	11,550

29	0-20MHz Dual Trace Oscilloscope	SRI SRREENGINEERING ASSOCIATION	02-12-2011	16,000	10	160,000
30	100MHz Igs/s Colour digital storage oscilloscope with FET	SRI SRREENGINEERING ASSOCIATION	26-11-2014	20,000	10	200,000
31	FM Modulator & Demodulator	SRI SRREENGINEERING ASSOCIATION	26-11-2011	3,200	3	9,600
32	Sampling Theorem	SRI SRREENGINEERING ASSOCIATION	18-06-2012	2,915	2	5,830
33	Mixer characteristics	Perfect Electronics System	12-06-2012	2,200	1	2,200
34	FREQUENCY SYNTISZER	Perfect Electronics System	12-06-2012	3,600	1	3,600
35	convolution code encoder	Sciencetech Technologies Pvt.ltd Indore	16-11-2012	12,800	2	25,600
36	verification of Thevenins, superposition, maximum power transfer theorem	SRI SRREENGINEERING ASSOCIATION	18-06-2014	1,050	4	4,200
37	Spectrum Analyser	SRI SRREENGINEERING ASSOCIATION	18-06-2014	80,850	1	80,850
38	EB- SOS PROJECTOR Model Number: VBCK 4901422	VEDIOT SERVICES	09-02-2015	29,400	1	29,400
39	PCM	Aquila Technologies	23-08-2011	7,150	1	7,150
40	DPCM	Aquila Technologies	23-08-2011	7450	1	7,450
41	DM	Aquila Technologies	23-08-2011	6050	1	6,050
42	DPSK	Aquila Technologies	23-08-2011	6050	1	6,050
43	CRO (DIGITAL)	Akademika Lab Solutions	24-11-2014	20000	10	200,000

44	Convolution Encoder & Decoder	Sciencetech Technologies Pvt. Ltd	11-07-2012	25600	1	25,600
45	CRO(Analog) 30Mhz	ASN Technologies	11-10-2018	14000	1	14,000
46	TDM	Aquila Technologies	23-08-2011	4620	1	4,620
47	FSK	Aquila Technologies	23-08-2011	3300	1	3,300
48	PSK	Aquila Technologies	23-08-2011	4670	1	4,670
49	2121 A Block code encoder 081204	Sciencetech Technologies Pvt.ltd Indore	31-08-2012	10680	1	10680
50	2121 B Block code Decoder 081204	Sciencetech Technologies Pvt.ltd Indore	31-08-2012	10680	1	10,680
51	Error Detection & Correction Cyclic Codes 081260	Sciencetech Technologies Pvt.ltd Indore	27-08-2012	9256	1	9,256
52	Companding A law μ law Trainer 081213	Sciencetech Technologies Pvt.ltd Indore	27-08-2012	12602	1	12,602
53	TDM & De-multiplexing	Aquila Technologies	12-06-2012	4620	1	4,620
54	PCM Demodulation Kit	Aquila Technologies	12-06-2012	7150	1	7,150
55	DPCM	Aquila Technologies	12-06-2012	7450	1	7,450
56	DM	Aquila Technologies	12-06-2012	6050	1	6,050
57	FSK	Aquila Technologies	12-06-2012	3300	1	3,300
58	PSK	Aquila Technologies	12-06-2012	4670	1	4,670
59	DPSK	Aquila Technologies	12-06-2012	6050	1	6,050

60	PCM Demodulation Kit	SRR ENGINEERING ASSOCIATES BHIMAVARAM	18-06-2012	8250	1	8,250
61	TDM & De-multiplexing	SRR ENGINEERING ASSOCIATES BHIMAVARAM	18-06-2012	4620	1	4,620
62	DPCM	SRR ENGINEERING ASSOCIATES BHIMAVARAM	18-06-2012	8580	1	8,580
63	DM	SRR ENGINEERING ASSOCIATES BHIMAVARAM	18-06-2012	5900	1	5,900
64	FSK	SRR ENGINEERING ASSOCIATES BHIMAVARAM	18-06-2012	3300	2	6,600
65	PSK	SRR ENGINEERING ASSOCIATES BHIMAVARAM	18-06-2012	4675	2	9,350
66	DPSK	SRR ENGINEERING ASSOCIATES BHIMAVARAM	18-06-2012	6325	1	6,325
67	5KW Stabilizer	SRR ENGINEERING ASSOCIATES BHIMAVARAM	26-11-2011	10,500	1	10,500
68	MW components x band 8.2 to 12.4GHz to perform radiation pattern	Southern scientific instruments	6-6-2013	96,190/-	1	96,190/-
69	MW components x band 8.2 to 12.4GHz using bench	Southern scientific instruments	6-6-2013	87,965/-	3	2,63,895/-
70	MW components x band 8.2 to 12.4GHz using gun power supply source	Southern scientific instruments	6-6-2013	46,100/-	1	46,100/-
71	Multi hole directional Coupler(10Db)	Southern scientific instruments	6-6-2013	4,890/-	1	4,890
72	E-PLANE TEE	Southern scientific instruments	6-6-2013	1,565/-	1	1,565
73	H-PLANE TEE	Southern scientific instruments	6-6-2013	1,565/-	1	1,565

74	Magic TEE	Southern scientific instruments	6-6-2013	2,770/-	1	2,770
75	Matched termination for magic Tee	Southern scientific instruments	6-6-2013	2,150/-	2	4,300/-
76	Shorting plates	Southern scientific instruments	6-6-2013	200/-	2	400
77	T-Circulator	Southern scientific instruments	6-6-2013	4,895/-	1	4,895/-
78	Fixed Attenuator(3db)	Southern scientific instruments	6-6-2013	1,540/-	1	1,540/-
79	Fiber Optic Communication Trainer(LINK-A)	FALCON Electro-TEK Pvt.Ltd	8-2-2013	21,001/-	2	42,002/-
80	Digital Multimeter	FALCON Electro-TEK Pvt.Ltd	31-5-2013	1,100/-	5	5,500
81	Fiber Optic Communication Trainer(LINK-E)	FALCON Electro-TEK Pvt.Ltd	8-2-2013	34,999/-	1	34,999/-
82	30MHz CROS	ASN Technologies	10-11-2018	20,000/-	2	47,200
83	Fiber Optic Digital Link TX and RX	ASN Technologies	10-11-2018	9,750/-	1	9,750
TOTAL COST						17,04,394

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