

Sciencetech Technologies Pvt. Ltd.
Didactic Products
Price List - 2008 (Feb.)

BASIC SCIENCE TRAINERS			
1	NV6004	Magnetism Lab	6,000.00
2	NV6005	Solar Energy Trainer	14,800.00
3	NV6006	Optics Bench	15,800.00
4	NV6101	Hall Effect Training System	55,000.00
5	NV6102	Susceptibility of Paramagnetic Materials by Quink,s Tube Method	45,000.00
6	NV6103	e/m Measurement Setup	12,000.00
7	NV6104	Newton's Ring Appratus	13,000.00
8	NV6105	Resistivity and Band-Gap measurement -Four Probe Method	17,000.00
9	NV621	Gauss & Tesla Meter	10,500.00
10	NV622	Measurement Unit	9,750.00
11	NV623	Constant Current Power Supply	9,750.00
12	NV6501	Diode Characteristics Trainer	4,800.00
13	NV6502	Transistor Characteristics Trainer	5,200.00
14	NV6503	Rectifier Trainer	2,200.00
15	NV6504	Active Filters Trainer	5,500.00
16	NV6505	Hartley and Colpitts Oscillator Trainer	4,000.00
17	NV6506	Wein Bridge Oscillators Trainer	4,200.00
18	NV6507	Multivibrators (Astable/Monostable)	4,500.00
19	NV6508	Zener Voltage Regulator	3,500.00
20	NV6551	Logic Gates Trainer	4,500.00
21	NV6552	Universal Gates Trainer	4,500.00
22	NV6553	De-Morgan's Theorem Trainer	4,500.00
23	NV6554	Adders and Subtractors Trainer	4,500.00
24	NV6555	Flip Flop Trainer	4,500.00

25	NV6556	Mux Demux Trainer	4,500.00
26	NV6557	Encoder Decoder Lab.	4,500.00
27	NV702	Decade Resistance Boxes	2,950.00
28	NV703	Decade Resistance Boxes	2,800.00
29	NV704	Decade Resistance Boxes	3,000.00
30	NV705	Decade Resistance Boxes	3,200.00
31	NV706	Decade Resistance Boxes	2,750.00
32	NV707	Decade Capacitance Boxes	2,850.00
33	NV708	Decade Capacitance Boxes	3,000.00
34	NV709	Decade Capacitance Boxes	3,500.00
35	NV710	Decade Capacitance Boxes	3,250.00
36	NV711	Decade Capacitance Boxes	3,200.00
37	NV712	Decade Inductance Boxes	3,050.00
38	NV713	Decade Inductance Boxes	2,750.00
39	NV714	Decade Inductance Boxes	2,900.00
40	NV715	Decade Inductance Boxes	2,750.00
41	NV716	Decade Inductance Boxes	2,800.00
42		Magnet Unit	25,000.00

NANO TECHNOLOGY TRAINERS

1	NV 4500	Introductory Nano Kit	16,500.00
2	NV 4501	Nano TiO ₂ Solar Cell Kit	16,500.00
3	NV 4502	Ferro Fluid Demonstrator	10,000.00

BASIC ELECTRONICS TRAINERS

1	NV6000	Electricity Lab	7,500.00
2	NV6002	Electrostatics Lab	6,400.00
3	NV6003	Power Supply Trainer	6,500.00
4	NV6101	Hall Effect Trainer	55,000.00
5	NV7011	Function Generator Trainer	6,500.00

6	NV-7002	SMPS Trainer	6,000.00
7	NV-7003	UPS Trainer	10,500.00
8	ST 2611	Digital Lab	9,800.00
		Optional Modules :	
	DB01	Logic Gates	900.00
	DB02	Universal Gate-Nand/Nor Gate	800.00
	DB03	EX-OR Gate Implementation	800.00
	DB04	Demorgan's Theorem	750.00
	DB05	EX-OR Gate Application	900.00
	DB06	Cod Conversion (Binary to Gray and Gray to Binary)	750.00
	DB07	Cod Conversion (BCD TO Excess 3 Code)	750.00
	DB08	Binary Adder/Subtractor	900.00
	DB09	Encoder/Decoder	900.00
	DB10	Multiplexer/Demultiplexer	1,000.00
	DB11	Flip-Flops	900.00
	DB12	Shift Resister	650.00
	DB13	4 bit Synchronous Binary Counter	750.00
	DB14	4 bit Binary Ripple Counter	750.00
	DB15	BCD to Seven Segment Decoder	800.00
	DB16	Digital to Analog Converter	800.00
	DB17	Event Counter	1,400.00
	DB18	Johnson Counter	1,450.00
	DB19	4 Bit parallel adder/substractor	1,800.00
	DB20	PN Sequence Generator	1,450.00
	DB22	Analog to Digital Converter	1,100.00
	DB21	Fiber Optics Digital Link	7,000.00
	DB26	ZIF 40 pin Socket	700.00
	DB27	Transfer Characteristics TTL and CMOS Inverters	1,500.00
	DB28	Monoshot Multivibrator(IC-74121 and 74123)	1,500.00
	DB29	CMOS Oscillators	1,450.00
	DB30	Adder/Subtractor (IC7483)	1,450.00
	DB31	Demux/Decoder(IC74138)	1,500.00
	DB32	Modulo N Programmable Conuter (IC74190)	1,500.00
	DB33	Parity Generator Checker	1,800.00
	DB34	4 Bit Magnatude Comparator	1,650.00
	DB35	4 Bit Shift Registers	1,800.00
	DB36	Key Board Encoder	1,600.00
	DB37	8 Bit Ring Counter	1,650.00
	DB100	8 Channel Digital Signal Analyzer	3,800.00
	AD01	Power Supply for Digital Boards ($\pm 12V/250mA$, $\pm 5V/250mA$)	1,200.00
	Simtel	Simtel Digital Electronics Module (Single User)	5,000.00
9	ST 2612	Analog Lab (supplied with handheld Digital Multimeter)	10,500.00
		Optional Modules ;	
	AB01	Diode Characteristics (Si,Zener,LED)	850.00
	AB02	Transistor Characteristics Common Base-NPN	900.00
	AB03	Transistor Characteristics Common Base-PNP	900.00
	AB04	Transistor Characteristics Common Emitter-NPN	900.00
	AB05	Transistor Characteristics Common Emitter-PNP	900.00
	AB06	Transistor Characteristics Common Collector-NPN	900.00
	AB07	Transistor Characteristics Common Collector-PNP	900.00

AB08	FET Characteristics	900.00
AB09	Rectifier Circuits	900.00
AB10	Wheatstone Bridge	1,300.00
AB11	Maxwell's Capacitance Bridge	1,900.00
AB12	De Sauty's Bridge	2,200.00
AB13	Schearing Bridge	2,200.00
AB14	Darlington Pair	1,500.00
AB15	Common Emitter Amplifier	850.00
AB16	Common Collector Amplifier	850.00
AB17	Common Base Amplifier	850.00
AB18	RC Coupled amplifier	1,200.00
AB19	Cascade Amplifier	1,100.00
AB20	DC Amplifier	1,250.00
AB21	Class A Amplifier	700.00
AB22	Class B Push Pull Emitter Follower	1,050.00
AB23	Class C Tuned Amplifier	1,050.00
AB24	Transformer Coupled Amplifier	1,400.00
AB25	PLL Frequency Demodulator using IC LM565	900.00
AB26	FET Amplifier	1,400.00
AB27	Voltage Controlled Oscillator	1,600.00
AB28	Multivibrators (Astable/Monostable)	850.00
AB29	F-V and V-F Converter (using IC LM331)	1,500.00
AB30	V-I and I-V Converter	1,200.00
AB31	Zener Voltage Regulator	850.00
AB32	Transistor Series Voltage Regulator	850.00
AB33	Transistor Shunt Voltage Regulator	850.00
AB35	DC Ammeter (200 mA)	2,500.00
AB36	DC Ammeter (2,20 mA)	2,800.00
AB38	DC Voltmeter (200 mV, 2V, 20V,200V) with 9V Battery	1,050.00
	Optional Modules :	
	DC Adaptor for AB-34 and AB-38(each)	250.00
AB39	Instrumentation Amplifier	2,200.00
AB40	Window Comparator	1,600.00
AB41	Differential Amplifier (Transistorized)	1,000.00
AB42	Operational Amplifier (Inverting/Non Inverting/Differential)	1,050.00
AB43	Operational Amplifier (Adder/Scalar)	1,100.00
AB44	Operational Amplifier (Integrator/Differentiator)	950.00
AB45	Schmitt Trigger and Comparator	850.00
AB46	Transistor as a switch	950.00
AB47	M-Derived band pass and band reject filter	2,000.00
AB48	M-Derived filter	2,000.00
AB49	K-Derived filter	1,700.00
AB50	Passive Attenuator	1,600.00
AB51	Active Filters (LPF+HPF)	950.00
AB52	Active Band Pass Filter	950.00
AB53	Notch Filter (active + passive)	1,000.00
AB54	Tchebyshev Filter (LPF and HPF)	1,600.00
AB56	Fiber Optic Analog Link	7,000.00
AB57	Owen's Bridge	1,900.00
AB58	Anderson's bridge	1,900.00
AB59	Maxwell's Inductance Bridge	1,650.00
AB60	Kelvin's Bridge	1,150.00
AB61	Sinusoidal Study State Response Of Series RLC Circuit	800.00
AB62	Sinusoidal Study State Response Of Parallel RLC Circuit	800.00
AB64	RC Coupled Amplifier	1,500.00

	AB65	Phase Shift Oscillator	1,000.00
	AB66	Wien Bridge Oscillator	1,000.00
	AB67	Colpitts Oscillator	1,000.00
	AB68	Hartley Oscillator	1,200.00
	AB69	Clap Oscillator	1,450.00
	AB70	Phase Shift Oscillator (Transistorised)	1,450.00
	AB80	RLC Series and RLC Parallel Resonance Circuit	650.00
	AB81	Kirchoff's Law	800.00
	AB82	Thevenin's Maximum Power Transfer Theorem	800.00
	AB83	Reciprocity Theorem, Superposition Theorem	800.00
	AB84	Tellegen's Theorem	1,200.00
	AB85	Norton's Theorem	1,500.00
	AB87	Voltage Multiplier	1,400.00
	AB88	Diode Clippers	1,400.00
	AB89	Diode Clamper	1,350.00
	AB90	Two Port networks	850.00
	AB91	Optical Transducer (Photovoltaic Cell)	2,000.00
	AB92	Optical Transducer (Photoconductive Cell/LDR)	2,000.00
	AB93	Optical Transducer (Photo Transistor)	2,000.00
	AB96	Temperature Transducer (RTD & IC335)	3,500.00
	AB100	Dual Channel analog Signal Analyzer	3,800.00
	AB101	DSB Modulator and Demodulator	2,200.00
	AB102	SSB Modulator and Demodulator	4,200.00
	AB103	Pre-emphasis and De-emphasis Circuits	1,100.00
	AB104	Automatic Gain Controller	2,200.00
	AB105	Squelch Circuit	2,100.00
	AB106	FM Modulator and Demodulator	2,200.00
	AB107	Monostable Multivibrator	1,200.00
	AB108	Bistable Multivibrator	1,200.00
	AB110	Log and Antilog Amplifier	1,800.00
	AB111	OP-Amp based Op-amp	1,700.00
	AB112	Peak Detector	1,550.00
	AB113	Voltage Follower	1,400.00
	AB114	Crystal Oscillator	1,500.00
	AB115	Sine,Cosine Oscillator (using OP-Amp)	1,900.00
	AB116	Sample and Hold Circuit	1,600.00
	AD01	Power Supply for Analog Boards (+/- 12V/200mA, ± 5V/200mA)	1,200.00
10	Simtel	Simtel Analog Electronics Module (single user)	5,000.00
11	ST 2322	OP-Amp Characteristics	8,500.00
12	ST 2613	Analog - Digital Lab	9,800.00
13	ST2614	Digital Lab (16 bits) Optional : Ready to use Experiment Boards AB - DB Series	13,000.00
14	LP2600	Smart Logic design experimental lab with 240 * 128 LCD Display	51,500.00
PROJECT BOARD			
1	ST 2609	Project Board with Power Supply with demo version of TinaPro software	3,400.00
2	ST 2610	Project Board with Power Supply with demo version of TinaPro software	3,900.00
3	ST 2621	SMD Technology Trainer	10,500.00

POWER ELECTRONICS TRAINERS			
1	ST 2712	Power Electronic Lab	12,500.00
2	ST 2701	IGBT characteristics	4,000.00
3	ST 2702	SCR Triggering Circuit	6,400.00
4	ST 2703	SCR Triggering Techniques	4,800.00
5	ST 2704	SCR Triggering by IC74121	4,800.00
6	ST 2705	SCR Lamp Flasher	4,000.00
7	ST 2706	SCR Alarm Circuit	4,000.00
8	ST 2707	Series Inverter	4,000.00
9	ST 2708	Single Phase controlled Rectifier with Ramp Comparator firing scheme	11,500.00
10	ST 2709	Single Phase controlled Rectifier with cosine firing scheme	13,500.00
11	ST 2710	Single Phase converter firing techniques	13,200.00
12	ST 2721	Voltage and Current Commutated Choppers	9,000.00
13	ST 2720	Step Down Chopper	9,000.00
14	ST 2722	Single Phase Full Bridge Converter	10,000.00
15	PE01	UJT characteristics	900.00
16	PE02	MOSFET characteristics	900.00
17	PE03	SCR characteristics	950.00
18	PE04	TRIAC characteristics	950.00
19	PE05	DIAC characteristics	850.00
20	PE06	IGBT Characteristics	1,950.00
21	PE07	PUT Characteristics	1,200.00
22	PE10	SCR Triggering Circuits	3,200.00
23	PE11	SCR Triggiring (using UJT)	1,200.00
24	PE12	SCR Triggering (Using IC555)	1,000.00
25	PE13	SCR Triggering (Using IC74121)	1,500.00
26	PE14	Ramp and Pedestal Triggering	6,000.00
27	PE15	SCR Triggering by Op-Amp 74 tIC	1,000.00

28	PE16	SCR Triggering by PUT	1,050.00
29	PE17	SCR Triggered by LDR	1,800.00
30	PE40	SCR Lamp Flasher	1,400.00
31	PE41	SCR Alarm Circuit	1,500.00
32	PE42	Series Inverter	1,800.00
33	PE43	UJT Relaxation Oscillator	1,400.00
34	PE44	Single Phase PWM Inverter	5,200.00
35	PD01	Power Supply for Power Electronics Boards ($\pm 35V$, $+15V$ 250mA)	1,800.00

VLSI TRAINERS

1	ST101	VLSI Development Platform with Wireless Communication Kit	38,500.00
2	ST102	VLSI Trainer with 50K logic gates, 1728 logic cells, incl Digital I/O board , Webpack & Power supply	16,500.00
3	ST103	VLSI Trainer with 30K logic gates, 972 logic cells, incl I/O board , Webpack & Power supply	15,500.00
4	ST104	VLSI Trainer with 15K logic gates, 432 logic cells, incl I/O board ,Webpack & Power supply	14,000.00
		Optional interface board with ST102/103/104 kit	
	IB1	Digital I/O board	included in kit
	IB2	Peripheral interface board	1,150.00
	IB3	ADC Interface Board	1,150.00
	IB4	DAC Interface Board	1,150.00
	IB5	Memory Interface Board	1,150.00
	IB6	Traffic Light Controller	1,150.00
	IB7	Real Time Clock	1,150.00
	IB8	LED Flasher	1,150.00
	IB9	HEX Keypad	1,150.00
	IB10	12X8 Character LCD Display	1,150.00
	IB11	Rotary Encoder	1,150.00
	IB12	Alpha Numeric Display	1,150.00
	IB13	Relay Control	1,150.00
	IB14	Stepper Motor Control	1,150.00
	IB15	5X7 LED Matrix Display	1,150.00
	IB16	Temprature Sensor & Displacement	1,150.00
5	ST 105	CPLD Development Platform	9,800.00
		Optional:	
6		2 Days Training for faculties (5 minimum)	25,000.00
7		Additional faculty / head	5,000.00
8		Xilinx Software University Edition	49,500.00
9		VLSI Application Programs	2,500.00

DSP LAB

1	DSP Lab	DSP Lab version 1.0/2.0 with LAB Programming tutor,Development Tools, DSK6713 and workbool	38,500.00
2	Slifer	Interactive FIR Filter Design Tool Full Academic License Second and further academic licenses	36,900.00 15,800.00
3	Sketch-a-filt	A tool for designing digital filters by sketching Full Academic License Second and further academic licenses	36,900.00 15,800.00
4	DSP_Speedster	Easy simulation of DSP, Communication and instrumentation system Full Academic License Second and further academic licenses	75,000.00 31,800.00
5	DSP_Speedster	Easy simulation of DSP, Communication and instrumentation system Full Permanent License (all users)	95,200.00
6	Microtutor	TI 2000 Platform Microtutor for DSP Lab TI2000 platform	3,20,000.00
7	MMATLAB	Matlab Tutor for DSP - 1 user - 5 user - 10 user - 20 user	19,500.00 22,800.00 26,900.00 35,000.00
8	MT2000	TI 2000 Tutor - 1 user - 5 user - 10 user - 20 user	18,000.00 21,000.00 24,750.00 32,250.00
9	CCS-ALL	TI 2000 CCS	1,05,000.00
10	EZDSP281	2812 DSK	43,500.00
11	EPB-2812	Educational Practice Board for TMS320F2812	25,300.00
12	EPB-280X	Educational Practice Board for 280X	17,800.00
13	ASK21	General Purpose I/O interfacing Kit	8,900.00
14	ASK01	Matrix Key Board Interfacing Kit	3,500.00
15	ASK17	Graphic LCD Interfacing kit (320 X 240	20,500.00
16	ASK06	Relay Interfacing Kit	3,700.00
17	ASK20	RF Development Kit	12,900.00
18	ASK05	Stepper Motor Intefacing Kit	6,500.00

19	ASK-23	Multi Channel 12-bit ADC	8,800.00
20	2812	Interfacing Workbook	700.00
		TI 6000Platform	
1	TI6000Lab	Microtutor DSP Lab for TI6000 platform	6,47,500.00
2	CCS-ALL	TI 6000CCS	1,05,000.00
3	MTMATLAB	- 1 user	11,250.00
		- 5 user	14,250.00
		- 10 user	18,000.00
		- 20 user	25,500.00
4	MTSIMULINK	SIMULINK Tutor	
		- 1 user	14,250.00
		- 5 user	17,250.00
		- 10 user	21,000.00
		- 20 user	28,500.00
5	MT-6000	TI 6000 Architecture & Design Tutor	
		- 1 user	18,000.00
		- 5 user	21,000.00
		- 10 user	24,750.00
		- 20 user	32,250.00
6	MT6XPROG	TI 6000 Programming Tutor	
		- 1 user	18,000.00
		- 5 user	21,000.00
		- 10 user	24,750.00
		- 20 user	32,250.00
7	DSK6713 (1U)	6713 DSK	41,250.00
8	ASK-12	Led I/F Kit	1,500.00
9	ASK-01	LCD /Matrix Key Board Interfacing Kit	3,500.00
10	DSP-6X-ADC	ADC I/F Kit	22,500.00
11	DSP-6X-DAC	DAC I/F Kit	22,500.00
12	VDB	Video Camera Intefacing Kit	1,35,000.00
13	ASK-19	Finger Print Interface Kit	28,500.00
14	ASK-17	Graphic LCD Interfacing Kit	20,500.00

15	GPC-6X	Daughter Interfacing Board with UART	7,200.00
16	ASK18	GSM modem Interfacing kit	20,400.00
17	ASK20	RF Development Kit	26,200.00
18	Emulator	EMUPP	1,30,000.00
19	6000WB	DSP 6000 WB	1,500.00
20	6000IFWB	DSP6000 Interfacing Workbook	1,500.00

MICROPROCESSOR TRAINER KITS

1	M-85-01	8085 Microprocessor Trainer Kit with in-built Power supply(LED), CPU operating at 6.144 MHz, 8KB Power full monitor EPROM.	4,000.00
2	M-85-02	8085 Microprocessor Trainer Kit with in-built Power supply(LED), 8 KB RAM expandable upto 64 KB. 22 I/O lines using 8155.	4,250.00
3	M-85-03	8085 Microprocessor Trainer Kit with in-built Power supply(LED), 48 I/O lines using 8255.	4,250.00
4	M-85-04	8085 Microprocessor Trainer Kit with LCD Display, 101 ASCII keyboard & in-built Power supply. EPROM Programmer for 27 Series (Optional)	5,800.00 800.00
5	M-85-05	8085 Microprocessor Trainer Kit with in-built Power supply(LED).	5,700.00
6	M-85-07	8085 Microprocessor Trainer Kit with LCD Display, 101 ASCII keyboard & in-built Power supply with on-board USART 8259 and Interrupt Controller 8259.	8,800.00
7	M-86-01	8086 Microprocessor Trainer Kit with in-built power supply (LED) and serial cable CPU operating @ 2.5/5 MHz, 16KB RAM with Battery backup(optional) expandable upto 256 KB.	8,350.00
8	M-86-02	8086 Microprocessor Trainer Kit with LCD Display & 101 ASCII keyboard. 72 I/O lines using 3 no.s of 8255. RS-232 interface thru 8251, Interrupt controller 8259.	8,800.00

MICROCONTROLLER TRAINER KITS with BUILT-IN POWER SUPPLY

1	NV5000	89C51Microcontroller Trainer with LCD Display, 8 Channel ADC, ASCII key board, LED interface, RS232 interface, Printer interface and 4 input sensing switches.	10,000.00
2	NV5001	Micro controller Development Board with Programmer Optional Application Modules	10,500.00
3	MC01	I/P interface board	3,500.00
4	MC02	ADC/DAC Module	4,300.00
5	MC03	Computer Inteface Module	2,750.00
6	MC04	Display Module	3,250.00
7	MC05	Motor Drive Module	5,250.00
8	NV5002	PIC Microcontroller Development Board with Example Programs	O.R.
9	NV5003	AVR Development Board with with Example Programs	O.R.

10	M-51-01	8051 Micro controller Trainer Kit with in-built power supply & serial cable (LED) CPU operating @ 10 MHz, 24 I/O lines using 8255.	5,600.00
11	M-51-02	8051 Micro controller Trainer Kit with in-built power supply & LCD Display 48 I/O lines using 2 no of 8255.Optional USART chip. AD 574 & DAC (Optional)	8,800.00 2,000.00
12	M96-01	80196 Micro controller Trainer Kit with in-built power supply & serial cable (LED) CPU with operating @ 12 MHz	10,500.00
13	E-89-01	Embedded Trainer 89C61X2	9,600.00
14	E89-02	EMBEDDED PROJECT BOARD FOR 51 FAMILY	4,200.00
15	E89-03	UNIVERSAL EMBEDDED TRAINER KIT	8,400.00
		<u>OPTIONS</u>	
		PIGGY BAG 89C51RD2 OR 89C61X2 BOARD	4,200.00
		PIGGY BAG PIC16F877A BOARD	4,200.00
16	E89-04	EMBEDDED TRAINER KIT FOR PIC 16F877A Stepper Motor Interface (Optional)	9,100.00 1,600.00
17	Ladder Work	LadderWORK Advanced 2 (Single User with 01 Dongle) Interfacing Module (Optional) for M-85 and M-51 series	40,500.00
1	IC-01	8 Channel, 8 bit ADC-0809 Card with 26 pin FRC	1,350.00
2	IC-02	2 Channel, 8 bit DAC-0800 Card with 26 pin FRC	1,350.00
3	IC-03	12 bit Analog to Digital Converter card ADC-574 with 26 pin FRC.	1,950.00
4	IC-04	8 Channel Digital I/O Cards with 26 pin FRC.	1,350.00
5	IC-05	Elevator Simulator Card with 26 pin FRC.	1,350.00
6	IC-06	IC-Tester Card	1,350.00
7	IC-07	7 Segment Display card with 26 pin FRC.	1,350.00
8	IC-08	Stepper Motor controller card with Motor and 26 pin FRC.	1,850.00
9	IC-09	5X4 Matrix Keyboard Card with 26 pin FRC.	1,350.00
10	IC-10	16X1 LCD Display Card with 26 pin FRC.	1,350.00
11	IC-11	16X2 LCD Display Card with 26 pin FRC.	1,550.00
12	IC-12	Traffic Light Controller Card with 26 pin FRC.	1,350.00

13	IC-13	Temperature Measurement card with 26 pin FRC.	1,850.00
14	IC-14	DC Motor Controller Card with Motor with 26 pin FRC.	1,850.00
15	IC-15	Relay and Opto Coupler card with 26 pin FRC.	1,350.00
16	IC-16	8X8 LED Matrix Display card with 26 pin FRC.	1,350.00
17	IC-17	Thumb wheel switch card with 26 pin FRC.	1,350.00
18	IC-18	LDR Interface Card with 26 pin FRC.	1,350.00
19	IC-19	26 pin FRC Cable (Extra)	150.00
Study Cards (optional) for M-85			
1	SC-01	8255 Study Card with 50 pin FRC	1,600.00
2	SC-02	8253 Study Card with 50 pin FRC	1,600.00
3	SC-03	8155 Study Card with 50 pin FRC	1,600.00
4	SC-04	8251 Study Card with 50 pin FRC	1,750.00
5	SC-05	8257 Study Card with 50 pin FRC	1,950.00
6	SC-06	8259 Study Card with 50 pin FRC	1,600.00
7	SC-07	8279 Study Card with 50 pin FRC	1,950.00
8	SC-08	8212 Study Card with 50 pin FRC	1,600.00
9	SC-09	Latch/Buffer/Decoder Study Card with 50 pin FRC	1,600.00
10	SC-10	6116/6264/62256 RAM Study card with 50 pin FRC	1,600.00
11	SC-11	50 Pin FRC Cable	200.00
12	SC-12	Serial Cable for Trainer Kit	250.00

Note : For 8086 user should specify the Study Cards and price can be obtained on request

PIC Products

1	MTPIC	PIC Tutor	
	MTPIC-1	- 1 User	18,000.00
	MTPIC-5	- 5 user	21,000.00
	MT-PIC10	-10 user	24,750.00
	MT-PIC20	-20 user	32,250.00
2	PICC	C-Cross Compiler for PIC	27,000.00
3	VPBPIC	Visual Program Builder for PIC	
		- 1 user	37,500.00
		- 5 user	40,500.00

		- 10 user	46,500.00
		- 20 user	51,000.00
5	EPB-PIC	Educational Pracrice Board for PIC	8,250.00
6	ICD	PIC Debugger	24,000.00
7	UPRG	PIC Programmer	18,000.00
8	ASK01	LCD Keyboard interfacing Kit	3,600.00
9	ASK02	7-segment LED interfacing Kit	3,450.00
10	ASK03	RTC-EPROM interface kit	5,850.00
11	ASK04	8-bit DAC interfacing kit	2,250.00
12	ASK05	Stepper Motor Interfacing Kit	9,750.00
13	ASK06	Relay Interfacing Kit	3,750.00
14	ASK08	I/O Expansion system	72,000.00
15	ASK010	12C Protocol Demonstration Kit	9,000.00
16	ASK012	Traffic Light Controller Kit	1,500.00
17	PICWB	PIC Workbook	1,500.00

MICROTUTOR TRAINING PACKAGES (SOFTWARES)

1	Microtutor '85		
	a) 8085 Tutor with Periphera Tutor'85		
		Single user	19,500.00
		5 User	22,800.00
		10 User	26,900.00
		20 User	35,000.00
	b) 8085 Simulator		
		Single user	8,950.00
		5 User	25,250.00
		10 User	45,750.00
		20 User	86,500.00
2	Microtutor '86		
		Single User	12,250.00
		5 User	15,500.00
		10 User	19,500.00
		20 User	28,500.00
3	Microtutor '51		
	8051 Tutor		

		Single User	19,500.00
		5 User	22,800.00
		10 User	26,900.00
		20 User	35,000.00
5		Simulator '51	
		Single user	8,950.00
		5 User	25,250.00
		10 User	45,750.00
		20 User	86,500.00
6		8051 Basics	
		Single user	8,250.00
		5 User	11,500.00
		10 User	15,500.00
		20 User	23,750.00
7		8051 Programming Techniques	
		Single User	8,250.00
		5 User	11,500.00
		10 User	15,500.00
		20 User	23,750.00
8		8051 On-Chip Peripheral	
		Single User	8,250.00
		5 User	11,500.00
		10 User	15,500.00
		20 User	23,750.00
9		8051 Interfacing Technique	
		Single User	12,250.00
		5 User	15,500.00
		10 User	19,500.00
		20 User	27,750.00
10		8051 Digital Worksheet	
		Single user	8,250.00
		5 User	11,500.00
		10 User	15,500.00
		20 User	23,750.00
11		8051 C-Cross Compiler	
		Single User	26,000.00
		5 User	52,750.00
		10 User	86,250.00
		20 User	1,53,000.00
12		8051 Visual Programme Builder	
		Single User	37,500.00
		5 User	40,500.00
		10 User	46,500.00
		20 User	51,750.00
13	EPB-51-1-1	EPB 89C51RD2	8,800.00
15	ASK01	LCD/KB Interfacing Kit	8,850.00

16	ASK02	7-segment LED interfacing Kit	3,650.00
17	ASK03	RTC-EPPROM interface Kit	6,230.00
18	ASK04	8-bit DAC Interfacing Kit	3,200.00
19	ASK05	Stepper Motor interfacing Kit	10,500.00
20	ASK06	Relay Interfacing Kit	3,900.00
21	ASK07	8-bit parallel ADC interfacing Kit	6,250.00
22	ASK08	I/O Expansion system	76,650.00
23	ASK09	12-bit serial ADC interfacing Kit	6,250.00
24	ASK10	12C-protocol demonstration Kit	9,500.00
25	ASK11	Thermal Printer Interfacing Kit	20,500.00
26	ASK12	Traffic Light Control Kit	1,600.00
27	ASK13	Inter controller Communication Kit	9,600.00
28	ASK14	Multi Tasking Demo Kit	9,600.00
29	ASK15	LCD Trainer Kit	32,800.00
30	ASK16	Touch Screen Intefacing Kit	10,950.00
31	ASK17	Graphic LCD Interfacing Kit	19,600.00
32	ASK-18	GSM Modem Interfacing Kit	20,300.00
32	UPRG	Universal Programmer	19,200.00
33	51WB1	8051 Assembly Work Book	800.00
34	51WB2	8051-C-Programming Work Book	800.00
35	51WB3	8051 Curriculam Work Book	1,600.00
36	51WB4	8051 Project Essential Work Book	1,600.00
37	51WB5	RTOS concept Work Book	1,600.00
38	51WB6	I/O Expansion Work Book	800.00

ANALOG COMMUNICATION TRAINERS

1	ST 2201	DSB/SSB AM Transmitter Trainer	14,000.00
2	ST 2202	DSB/SSB AM Receiver Trainer	14,000.00
3	ST 2203	Frequency Modulation/Demodulation Trainer	18,000.00
4	ST 2204	FM Communication Trainer	22,500.00
5	ST 2205	Noise-Audio Amplifier Trainer	8,500.00
6	ST 2209	Synchro Detector	6,000.00
7	ST 2211	FDM Trainer Optional: Simtel Simulation Software Analog Communication Single User License	14,800.00 7,500.00

DIGITAL COMMUNICATION TRAINERS

1	ST2101	Sampling and Reconstruction Trainer	8,250.00
2	ST2102	TDM Pulse Amplitude Modulation/Demodulation Trainer	9,500.00
3	ST2103	TDM Pulse Code Modulation/Transmitter Trainer	13,500.00
4	ST2104	TDM Pulse Code Modulation/Receiver Trainer	13,500.00
5	ST2105	Delta, Adaptive Delta and Delta Sigma Modulation/Demodulation Trainer	18,500.00

6	ST2106	Data Formatting and Carrier Modulation Transmitter Trainer	13,500.00
7	ST2107	Carrier Demodulation and Data Reformatting Receiver Trainer	13,500.00
8	ST2108	Audio Input Module Trainer	3,500.00
9	ST2109	Audio Output Module Trainer	3,500.00
10	ST2110	PAM-PPM-PWM Modulation & Demodulation Trainer	12,500.00
11	ST 2111-2	Variable Binary Data Generator	3,500.00
12	ST 2112	QAM Trainer	18,500.00
13	ST2113	Differential Pulse Code Modulation(DPCM) Trainer	15,800.00
13	ST 2114	15 bit PN Sequence Generator	5,000.00
14	ST 2116	MSK Modulation/Demodulation Trainer	23,500.00
15	ST 2207	Four Channel Analog TDM Trainer	8,500.00

Optional:

Simtel Simulation Software
Digital Communication
Single User License

15,000.00

FIBER OPTICS TRAINERS

1	ST 2501	Elementary Fiber Optic Trainer - Single Channel	18,500.00
2	ST 2502	Advanced Fiber Optic Trainer-Dual Channel & PC-PC Communication Facility	28,500.00
3	Caddo 826	Optiscope	45,000.00
		Optional :	
	ST 2551	Optical Power Meter	11,500.00
4	ST 2503	Multiplexer / Demultiplexer - Coder / Decoder Trainer	13,500.00
5	ST 2504	Optical Video Link Trainer	25,500.00
6	ST2505	WDM Trainer	46,800.00
		Optional :	
1	2100	Optical Power Meter 850/1310/1550 nm	17,250.00
2	6320	Laser Light Source 1310/1550nm	64,500.00
7	ST 2507	Basic Digital Link	8,500.00
8	ST 2508	Basic Analog Link	8,500.00
	AD-01	Power Supply (± 12V/200mA, ± 5V/200mA) for ST2507 and ST2508 each	1,200.00
9	ST 2551	Optical Power Meter	11,500.00

10	ST 2503	Multiplexer / Demultiplexer - Coder / Decoder Trainer	13,500.00
11	ST2510	LED Radiation Pattern Trainer	9,500.00
12		Optional :	
13	IF-DS100G	Fiber Optic Demonstration System, Glass Version	81,500.00
14	IF-120026	Teachers Manual-Glass	4,500.00
15	IF-120027	Student Manual-Glass	3,250.00
16	IF-DS100P	Fiber Optic Demonstration System, Plastic Version	51,500.00
17	IF-120250	Teachers Manual-Plastic	4,500.00
18	IF-120255	Student Manual-Plastic	3,250.00
19	IF-527	Fiber Optic Networking and Communications	236,000.00
20	IF-120260	Teachers Manual	4,500.00
21	IF-120265	Student Manual	3,250.00
22	IF-528	Consumable Kit for IF-527/505	17,250.00
23	IF-529	Audio/Video Mult Transceiver	43,000.00
24	IF-OVL10-A	Optical Voice Link, Kit	7,250.00
25	IF-OVL20-A	Duplex Assembled Optical Voice Link, Kit	14,500.00
26	IF-SL-A	Speed of Light Apparatus, Kit	14,250.00

FIBER OPTIC CONNECTORIZATION KITS AND ACCESSORIES

1	ST2511	Fiber Optic Connectorization Kit.	57,500.00
2	ST2512	Fiber Optic Connectorization Kit (including Mechanical Splice)	60,500.00
3	ST2513	Fiber Optic Connectors Kit	5,250.00
4	ST 2514	Fiber Optic Cables Kit	5,250.00
5	IF-505	Connector/Splicing Module	58,750.00
6	IF-C-PK	Plastic Fiber Polishing Kit	650.00
7	IF-C-S10	LC Splice Kit	950.00
8	IF-53884	Communications Sample Kit	1,000.00
		Fiber Optic tools	
1	IF-FC1	Professional Fiber Cutter	2,200.00
2	IF-FC1-RP1	Replacement Blades (pkg of 100)	1,500.00
3	IF-FC1-RP2	Replacement Blades (pkg of 100)	1,000.00
4	IF-FC2	Disposable Fiber Cutter	200.00
5	IF-370012	Hot Knife, 60 watt	7,500.00
6	IF-FOM	Fiber Optic Test Set	20,000.00
7	IF-370011	Hot Knife, 25 watt	1,500.00
8	IF-TK4	Tool Kit, Second Generation	11,000.00
9	IF-370041	ST Polishing Puck, Plastic	800.00
10	IF-370042	ST Polishing Puck, Metal	8,000.00
11	IF-370015	Stripper, No-Nick	4,000.00
12	IF-370075	Stripper, Micro-Strip 1.0mm core	7,800.00
13	IF-370090	Stripper, Micro-Strip .35mm core	7,800.00
14	IF-370091	Stripper, Micro-Strip .5mm core	7,800.00
15	IF-370045	Crimper, ST/Versalink	4,850.00

16	IF-370046	Crimper, SMA	7,350.00
17	IF-370050	Fiber Inspection Scope	8,850.00
18	IF-370060	Polish Extender, 4 oz.	1,250.00
19	IF-400005	PMMA Fiber Epoxy	700.00
20	IF-850051	IR Detection Card	1,700.00
21	IF-830052	IR Detection Card	1,700.00
22	IF-400010	Index-matching Gel	4,600.00
Connectors and Device mounts			
1	228042-1	Single position bulkhead receptacle	200.00
2	228045-1	Dual position bulkhead receptacle	200.00
3	228046-1	Retention clip	25.00
4	2280511	Splice, Fiber Optic	25.00
5	228087-1	Single position plug assembly	150.00
6	228088-1	Dual position plug assembly	250.00
7	IF-C-S2	Fiber Optic Splice/Connector	900.00
8	IF-C-S3	Fiber Optic Splice/Connector	900.00
9	IF-C-S4	Fiber Optic Splice/Connector	900.00
10	IF-C-ST	Connector, ST,1000 um core	450.00
11	IF-C-SMA	Connector, SMA	600.00
12	IF-420090	Fiber Splice	500.00
13	228709-1	Device mount	150.00
14	501359-1	Device mount	100.00
15	IF-820050	ST Device Mount	300.00
16	IF-820063	ST Mating Sleeve	600.00
Fiber optic Photodetectors			
1	IF-D91	Photodiode	250.00
2	IF-D92	Phototransistor	250.00
3	IF-D93	Photo Darlington	350.00
4	IF-D95T	Photo-logic	400.00
5	IF-D95OC	Photo-logic	400.00
6	IF-D96	Photo-logic, 5 Mbps	650.00
7	IF-D97	Photo-logic, 50 Mbps	1,250.00
8	IF-D98	Photo-logic, 155 Mbps	1,800.00
Fiber Optic LEDs			
1	IF-E91A	IR 940 nm LED	200.00
2	IF-E91B	IR 880 nm LED	250.00
3	IF-E91D	IR 870 nm LED	350.00
4	IF-E92A	Blue (430 nm) LED	900.00
5	IF-E92B	Blue (470 nm) LED	900.00
6	IF-E93	Green (530 nm) LED	650.00
7	IF-E96	Red LED	300.00
8	IF-E97	Super-Red LED	400.00
9	IF-E98	Red 50 Mbps LED	850.00
10	IF-E99	Red 155 Mbps LED	2,400.00
Fiber Couplers (Splitters)			
1	IF-540	2X2 Multimode 980/1000 μm 50:50	4,800.00
2	IF-541	2X2 Multimode 980/1000 μm 80:20	5,500.00
3	IF-542	2X2 Multimode 980/1000 μm 90:10	5,500.00

4	IF-543	1X3 Multimode 980/1000 µm	7,300.00
5	IF-544	4X4 Multimode 980/1000 µm	9,800.00
6	IF-562	1X2 Multimode 50:50	4,900.00
7	IF-502	1X2 Multimode 50:50 ST/ST	6,750.00

Speciality fibers

Price / 3 mts

1	IF-810076	Fluorescent, 500 µm Amber, Polystyrene Core	200.00
2	IF-810070	Fluorescent, 500 µm Green, Polystyrene Core	200.00
3	IF-810065	Fluorescent, 500 µm Red, Polystyrene Core	200.00
4	IF-810075	Scintillating, 500 µm Blue, Polystyrene Core	200.00
5	IF-810098	Fluorescent, 750 µm Amber, Polystyrene Core	300.00
6	IF-810092	Fluorescent, 750 µm Green, Polystyrene Core	300.00
7	IF-810091	Fluorescent, 750 µm Red, Polystyrene Core	300.00
8	IF-810080	Fluorescent, 1.0 mm Green, Acrylic Core	550.00
9	IF-810085	Fluorescent, 1.0 mm Red, Acrylic Core	550.00
10	IF-810083	Fluorescent, 1.0 mm Amber, Polystyrene Core	400.00
11	IF-810082	Fluorescent, 1.0 mm Green, Polystyrene Core	400.00
12	IF-810087	Fluorescent, 1.0 mm Red, Polystyrene Core	400.00
13	IF-810089	Fluorescent, 1.5 mm Green, Polystyrene Core	900.00
14	IF-810088	Fluorescent, 1.5 mm Red, Polystyrene Core	900.00
15	IF-810090	Flourescent, 1.5 mm Amber, Polystrene Core	900.00
16	IF-810095	Fluorescent, 2 mm Amber, Polystyrene Core	1,000.00
17	IF-810094	Fluorescent, 2 mm Green, Polystyrene Core	1,000.00
18	IF-810093	Fluorescent, 2 mm Red, Polystyrene Core	1,000.00
19	IF-810097	Fluorescent, 2.5 mm Green, Polystyrene Core	1,800.00
20	IF-810096	Fluorescent, 2.5 mm Red, Polystyrene Core	1,800.00

Note: Minimum order for length of 3 meters

ESKA Fiber Cables

Prices/ 1000 mts

1	810116	SH2001, dia 0.5 * 1, core ref index 1.492, cladding ref index 1.402	90,500.00
2	810029	GH2001	85,500.00

Note: Minimum order for length of 1000 mts

Bare or unjacketed fibers

1	810036	SK-20 Fiber dia 500 µm attn. < 0.20 dB/m(length 6000 mts)	139,500.00
2	810041	SK-30 Fiber dia 750 µm attn. < 0.20dB /m (length 2700 mts)	89,200.00
3	810046	SK-40 Fiber dia 1000 µm attn. < 0.20dB/m (length 1500 mts)	68,000.00
4	810051	SK-60) Fiber dia 1500 µm attn. < 0.20 dB/m (length 700 mts)	82,000.00
5	810058	SK-80 Fiber dia 2000 µm attn. < 0.20 dB/m (length 250 mts)	55,100.00

Note: Minimum order length as per mentioned in description

1	IF-C-U250	SK-10, 250 µm core	20.00
2	IF-C-U500	CK-20, 500 µm core	25.00
3	IF-C-U750	CK-30, 750 µm core	25.00
4	IF-C-U1000	CK-40, 1.0 mm core	50.00
5	IF-C-U1500	CK-60, 1.5 mm core	100.00
6	IF-C-U2000	CK-80, 2.0 mm core	200.00
7	IF-C-U3000	CK-120, 3.0 mm core	400.00

Note: Minimum order for length of 100 mts.

Fiber Cables

Price / mts.

1	810118	SH3001 Dia 0.75*1µm, attn < 0.22 dB/m	200.00
2	IF-C-E1000	SH4001Dia 1.0 * 1µm attn < 0.20 dB/m	100.00

3	IF-C-E1500	SH6001Dia 1.5*1µm attn < 0.20 dB/m	300.00
4	IF-C-E2000	SH8001Dia 2.0 * 1 µm attn < 0.22 dB/m	400.00
5	IF-C-D1000	SH4002Dia 1.0*2 µm attn < 0.22 dB/m	200.00
6	810011	GH4001Dia 1.0 *1 µm attn < 0.14 dB/m	150.00
7	810026	GH4002Dia 1.0*2µm attn < 0.14 dB/m	250.00
8	810119	GHCP4001Dia 1.0*1µm attn < 0.14 dB/m, Jacket Mat. Crosslink Polyethylene	150.00
9	810124	GHCP4002 Dia 1.0*2 µm attn < 0.14 dB/m, Jacket Mat. Crosslink Polyethylene	250.00
10	810110	GHV4001Dia 1.0*1µm Jacket Mat: Polyvinylchloride	150.00
11	810136	GHTT4001Dia 1.0*1µm, Tensile strength 25	400.00

Multifiber light guides

1	IF-C-LG16	SH1016, 16 fiber 265 µm	350.00
2	IF-C-LG32	SH1032, 32 fiber 265 µm	350.00
3	IF-C-LG48	SH1048, 48 fiber 265 µm	350.00
4	IF-C-LG64	SH1064, 64 fiber 265 µm	350.00

Optical Elements

1	IF-AM1	Unbreakable Mirrors 2.5 x 3	
2	IF-AM2	Unbreakable Mirrors 5 x 7	250.00
3	IF-AM3	Unbreakable Mirrors 10 x 12	400.00
4	IF-FS1	RGB Filter Set	800.00
5	IF-FS4	Deluxe Color Filter Set	300.00
6	IF-HW1	Half Wave Retarder	1,100.00
7	IF-HW3	Half Wave Retarder	1,000.00
8	IF-LA	Lens Assortment	7,350.00
9	IF-LACP	Lens Class Pack	700.00
10	IF-MA	Mirror Assortment	3,100.00
11	IF-MACP	Mirror Glass Pack	1,250.00
12	IF-PA	Prism Assortment	5,300.00
13	IF-PF1	Polarizing Film 2 pieces 50 x 50 mm	1,450.00
14	IF-PF2	Polarizing Film 100 pieces 50 x 50 mm	450.00
15	IF-PF3	Polarizing Film 2 pieces 100 x 200 mm	17,300.00
16	IF-PF4	Polarizing Film 1 piece 475 x 625 mm	2,750.00
17	IF-QW1	Quarter Wave Retarder	14,900.00
18	IF-QW3	Quarter Wave Retarder	1,000.00
19	IF-508	Diffraction Mosaic	7,400.00
20	IF-810095	Prism, Equilateral	700.00
			1,250.00

Misc Fiber Optic Components

1	IF-ACR	Fiber Optic Rod	400.00
2	IF-C-FOR	Magic Optic Rock	300.00
3	IF-547	Optical Waveguide Demonstrator	6,450.00

FIBER OPTIC LABS

1	Lab I	Elementary Fiber Optic Lab	45,000.00
		Containing:	
	a	Basic Digital Link ST 2507 - 1 No.	
	b	Basic Analog Link ST 2508 - 1 No.	
	c	Power Supply ST 2509 - 1 No.	
	d	Optical Power Meter ST 2551 - 1 No.	
	e	Fiber Sample Kit - 1 No.	
	f	Connector Sample Kit - 1 No.	
	g	Multicolour Optical Spectrum Wall Chart - 1 No.	
	h	Fiber Optic Video CD - 1 No.	

	i	FC Patch Cord - 1 No.	
	j	FC Pigtail - 1 No.	
	k	Optical Waveguide set	
	l	Laser Pointer - 1 No.	
	m	Magic Galaxy Wands (4) - 1 No.	
	n	Flurocent Fiber Kit - 1 No.	
	o	Fiber Cable MM 10m - 1 No.	
	p	Basic Tools Set - 1 No.	
	q	Fiber Cable - 20 mtr.	
2	Lab II	Fiber Optic Communication Lab	1,40,000.00
		Containing:	
	a.	Elementaty Fiber Optic Trainer ST 2501 - 1 No	
	b.	Advance Fiber Optic Trainer ST2502 - 1 No	
	c.	MUX/DMUX Coder Decoder Trainer ST 2503 - 1 No	
	d.	Fiber Optic Laser Trainer LT 2506 - 1 No	
	e.	Optical Power Meter YC 2100 - 1 No	
	f.	Mini Light Source LED 850 nm Model 6410 - 1 No	
	g.	FC - FC patch cord - 1 No	
	h.	FC Pigtail - 1 No	
	i.	Fiber Cable - 20 mtr.	
	j.	Fiber Optic Sample Kit - 1 No	
	k.	Fiber Optic Connector Kit - 1 No	
	l.	Multicolour Optical Spectrum Wall Chart - 1 No	
	m.	Fiber Optic Video CD - 1 No	
	n.	Optical Waveguide set	
	o.	Laser Pointer - 1 No	
	p.	Magic Galaxy Wands (4) - 1 No	
	q.	Fluorescent Fiber kit - 1 No	
	r.	Basic Tools Set - 1 No	
3	Lab III	Advance Fiber Optic Communication Lab	2,05,000.00
		Containing:	
	a.	Elementary Fiber Optic Trainer ST 2501 - 1 No	
	b.	Advance Fiber Optic Trainer ST2502 - 1 No	
	c.	MUX/DMUX Coder Decoder Trainer ST 2503 - 1 No	
	d.	Fiber Optic Laser Trainer LT 2506 - 1 No	
	e.	Optical Power Meter YC 2100 - 1 No	
	f.	Mini Light Source LED 850 nm Model 6410 - 1 No	
	g.	FC - FC patch cord - 2 Nos	
	h.	FC Pigtail - 2 Nos	
	i.	Fiber Optic Conectorisation Kit FOK 601-1No.	
	j.	Fiber Optic Mech.Splice M/C - 1 No.	
	k.	Mech lock - 6 Nos	
	l.	Fiber Optic Sample Kit - 1 No	
	m.	Fiber Optic Connector Kit - 1 No	
	n.	Multicolour Optical Spectrum Wall Chart - 1 No	
	o.	Fiber Optic Video CD - 3 Nos	
	p.	Optical Waveguide set IF 547 - 1 No	
	q.	Laser Pointer - 1 No	
4	Lab IV	Universal Fiber Optic Communication Lab	2,80,000.00
		Containing:	
	a.	Elementary Fiber Optic Trainer ST 2501 - 1 No	
	b.	Advance Fiber Optic Trainer ST2502 - 1 No	
	c.	MUX/DMUX Coder Decoder Trainer ST 2503 - 1 No	

	d	Fiber Optic Laser Trainer LT 2506 - 1 No	
	e.	Optical Power Meter YC 2100 - 1 No	
	f.	Mini Light Source LED 850/1300 nm Model 6310 - 1 No	
	g	FC - FC patch cord - 2 Nos	
	h	FC Pigtail - 2 Nos	
	i.	Fiber Optic Conectorisation Kit FOK 601-1No.	
	j	Fiber Optic Mech.Splice M/C - 1 No.	
	k	Mechlock - 6 Nos	
	l	Fiber Optic Connector Demo Set - 1 No	
	m	Fiber Optic Cable Set - 1 No	
	n	Multicolour Optical Spectrum Wall Chart - 1 No	
	o	Fiber Optic Video CD - 4 Nos	
	p	Optical Waveguide set	
	q	Laser Pointer - 1 No	
	r	Fiber Optic Fixed Attenuator (10dB) - 2 Nos	
	s	Laser Ray Box 5 diode laser display 1mv IF 550 - 1 No	
	t	Cylindrical Lens Set IF 551 - 1 No	
	u	Fiber Optic Test Set IF FOM - 1 No.	
5	Lab V	Fiber Optic Industrial Lab A	6,00,000.00
		Containing:	
	a	Mini OTDR - 1 No	
	b	Test Cable Assembled with Splice and Attenuator SM - 1 No	
	c	Fiber Optic Fixed Attenuator - 2 Nos	
	d	Connector Adaptors - 3 Nos	
	e	FC - FC Patch Cord - 6 Nos	
	f	FC Pigtail - 6 Nos	
6	Lab VI	Fiber Optic Industrial Lab B	3,95,000.00
		Containing:	
	a	Fusion Splicing Machine (Mains Operated) - 1 No	
	b	Cable 100 mtr. - 1 No	
	c	Standard Tools Set - 1 No	
	d	Protection Sleeve - 100	
	e	Continuity Tester - 1 No	
	f	FC Pigtail - 6 Nos - 6 Nos.	
7	Lab VII	Laser Optic Lab	95,000.00
		Containing:	
	a	Laser Ray Box 5 diode laser display IF 550 - 1 No	
	b	Cylindrical Lens Set IF 551 - 1 No	
	c	Sand Box Holography Kit 45-633 - 1 No	
	d	Modern Laser Optic Kit IF 535 - 1 No	
	e	Laser 0.8mV ML 810	
	f	Michelson interferometer kit 45-943 - 1 No	
8		Fusion Splicing Machines	
	MX 2600	Optical Fusion Splicing Machine with battery	3,75,000.00
	MX 2600	Optical Fusion Splicing Machine without battery	3,64,000.00
	MX 1800	Optical Fusion Splicing Machine with battery	3,54,000.00
	MX 1800	Optical Fusion Splicing Machine without battery	3,43,000.00

LIGHT SOURCES & POWER METERS

LED Light Sources

1	YC-6310	LED Light Source 850/1300nm	29,000.00
2	YC-6330	LED Light Source 850nm	20,800.00
3	YC-6340	LED Light Source 1300 nm	22,880.00
4	YC-6410	LED Light Source 850nm with Modulation	20,280.00
5	YC-6420	LED Light Source 1300nm with Modulation	20,800.00
6	YC6610	LED 850/1300 nm Light Source CW = -18 dB	26,550.00
7	YC-6630	LED 850 nm Light Source CW = -18 dB	21,850.00
8	YC-6640	LED 1300 nm Light Source CW= -18 dB	21,850.00
9	OS417 - MD	POF source with 850 nm /665 nm LEDs	34,500.00
10	OS420	MM source fixed ST 850/1300 nm	48,250.00
11	OS430	SM source - 1310/ 1550 nm ST /Sc or FC.	121,150.00
LASERS			
1	YC 6650	Laser 1310 nm Light Source CW = -3 dB	29,000.00
2	YC 6660	Laser1550 nm light source cw (-3db)	36,900.00
3	YC6620	Laser 1310/1550 nm Light Source CW = -3 dB	62,500.00
4	YC-6350	Laser Light Source 1310nm	30,100.00
5	YC-6360	Laser Light Source 1550nm	44,000.00
6	YC-6320	Laser Light Source 1310/1550nm	64,500.00
7	IF-HN05	HeNe, .5 mwatt (mW)	34,500.00
8	IF-HN08	HeNe, .8 mwatt (mW)	37,200.00
9	IF-HN08M	HeNe, .8 mwatt Modulatable (mW)	47,000.00
10	IF-HN15M	HeNe, 1.5 mwatt Modulatable (mW)	49,950.00
11	IF-HN20	HeNe, 2.0 mwatt (mW)	47,000.00
12	IF-HN35	HeNE, 3.5 mwatt (mW)	66,550.00
13	IF-HN50	HeNe 5.0 mwatt (mW)	73,450.00
14	IF-RL08-635	Diode Laser, 0.8 mwatt 635 nm	31,800.00
15	IF-RL30-670	Diode Laser, 3.0 mwatt 670 nm	31,800.00
16	IF-RL30-635	Diode Laser, 3.0 mwatt 635 nm	35,800.00
17	IF-VL08-635	Diode Laser, 0.8 mwatt 635 nm video	38,200.00
18	IF-VL30-635	Diode Laser, 3.0 mwatt 635 nm video	40,550.00
19	IF-UL08-635	WBS Laser, 0.8 mwatt 635 nm	39,800.00
20	IF-UL08-635X	WBS Laser, Video Package	47,750.00
21	IF-UL08-635Y	WBS Laser, Communications Package	59,500.00
22	IF-550	Laser Ray Box	26,000.00
23	IF-583	Laser Ray Box with Enclosure	27,000.00
24	OS 405	Visual fault finder 635 nm Laser	26,500.00
Power meters without data storage			
1	ST 2551	Optical Power Meter	11,950.00
2	YC-2100	Optical Power Meter 850/1310/1550 nm	17,150.00
4	YC-60	Laser Power Meter	11,450.00
5	YC 6500	Optical power Meter 850/1300/1310/1550 nm(+3 ~ -55 dBm)	22,900.00
6	YC-6510	Optical power Meter (+3 ~ -55 dBm) + LED 850 nm Source.	39,000.00
7	YC-6520	Optical power Meter (+3 ~ -55 dBm) + LED 1300 nm Source.	39,000.00
8	YC-6530	Optical power Meter (+3 ~ -55 dBm) + LED 1310 nm Source.	43,650.00
9	YC-6540	Optical power Meter (+3 ~ -55 dBm) + LED 1550 nm Source.	53,550.00
10	OM110	POF meter 665/790/850 nm	36,500.00
11	OM120	Power meter 850/1300/1310/1550 nm	40,000.00
12	OM130	CATV meter 1310/1550 nm	48,500.00
Power Meters with Data Storage			
1	OM210	POF meter with data storage 665/790/850	60,700.00
2	OM220	Power Meter with Data Storage 850/1300/1310/1550 nm	64,300.00
3	OM230	CATV meter with data storage 1310/ 1550 nm	72,500.00

FIBER OPTIC TESTING INSTRUMENTS

1		PC Based Optical Time Domain Reflectometer (OTDR)	
	OR-2-2	Mainframe Model with RS232 Interface	3,22,400.00
	OR-2-2	Mainframe Model with Wireless (BT) Interface	3,45,300.00
		MM- 850nm Plug-in-unit	2,49,600.00
		MM-1310nm Plug-in-unit	2,51,500.00
		MM- 850/1300nm Plug-in-unit	3,74,500.00
		SM-1310nm Plug-in-unit	2,47,500.00
		SM-1550nm mkm Plug-in-unit	2,49,500.00
		SM-1300/1550nm Plug-in unit	3,69,000.00
2		Micro OTDRs (Hand held PC Based)	
	UOR-101	PC Based OTDR MM 850/1300 Micro OTDR with USB interface	5,61,600.00
	UOR-201	PC Based OTDR SM 1310/1550 Micro OTDR with USB 32/31 Dynamic Range	4,68,000.00
	UOR-202	PC Based OTDR SM 1310/1550 Micro OTDR with USB 36/35 Dynamic Range	5,61,600.00
	UOR-203	PC Based OTDR SM 1310/1550 Micro OTDR with USB 40/39 Dynamic Range	7,48,800.00
	UOR-204	PC Based OTDR SM 1310/1550 Micro OTDR with USB 43/42 Dynamic Range	10,34,800.00
		OTDR Accessories	
	LB-OR1	62.5/125 MM OTDR Launch Cable 300 Meter dimension 7*4*2	51,000.00
	LB-OR2	9/125 SM Launch Cable 1000 Meter	55,000.00
3		Advanced TDR/ Cable Fault Locator	
	OMTDR-1000	Multipurpose TDR for Optic & Metallic cables	495,000.00

LASER TRAINER & ACCESSORIEES

1	ST 2506	Laser Trainer	19,500.00
		Laser Accessories	
1	IF-560	Laser Pointer, Class IIIa 645 nm	1,500.00
2	IF-563	Laser Pointer, Class II	1,500.00
3	IF-564	Laser Pointer, Class IIIa 635 nm	3,100.00
4	IF-565	Laser Pointer, Class IIIa Green	10,750.00
5	IF-595	Laser Stylus, Class II	1,500.00
6	IF596	Laser Stylus, Class IIIa	1,500.00
7	IF-BS	Beam Scanner	23,250.00
8	IF-LBS1	Laser Beam Stop, 3 x 4 inch	900.00
9	IF-LFA	Laser to Fiber Adapter with Fiber	1,800.00
10	IF-LSL-SA1	Receiver and Power Adapter	14,700.00
11	IF-LSL-1	Speed of Light/Receiver Kit	21,400.00
12	IF-LSL-2	Receiver Kit	8,000.00
13	IF-PM	Digital Photometer	18,000.00
14	IF-PM200	Digital Photometer, 200 mW	19,700.00
15	IF-VR	Video Receiver, NTSC	14,000.00
16	IF-VR2	Video Receiver, RF	12,250.00
17	IF-XYP	X-Y Pattern Generator	28,100.00

18	IF-513	Audio Receiver, & Microphone	7,200.00
19	IF-514	Tyndall's Historic Experiment	4,300.00
20	IF-522	Light Detector	6,400.00
21	IF-535	Modern Laser Optics Kit	8,000.00
22	IF-551	Smoked Lens Set	6,000.00
23	IF-140020	Laser Safety Sign, Class III a	450.00
24	IF-140021	Laser Safety Sign, Class II	450.00
25	IF-410225	Index Of Refraction Block	700.00
26	IF-850005	Scattering Solution, 4 oz	1,000.00

ANTENNA TRAINERS

1	ST 2261	Antenna Trainer with Radiation Pattern Plotting Software and 10 Antennas	63,000.00
2	ST2261	Antenna Trainer with Radiation Pattern Plotting Software and 22 Antennas	82,500.00
3	ST 2261A	Antenna Trainer with Motorised rotating unit and Plotting Software with 22 Antennas	110,000.00
4	ST 2261	Antenna Trainer Base Unit (without Antennas for repeat customers)	35,000.00
5	ST2262	Advanced Antenna Trainer with variable frequency (500 MHz - 800 MHz) and 10 Antennas	83,000.00
6	ST2262	Advanced Antenna Trainer with variable frequency (500 MHz - 800 MHz) display and 22 Antennas	1,02,500.00
7	ST2263	Microstrip Antenna Trainer with Variable frequency (100MHz-800Mhz) display for frequency & level, memory and 6 patch & 5 rod antennas	1,25,000.00
		Optional: Antenna Design/Simulation Software (Single User License)	85,000.00
8	WATS-2002	Wave and Antenna Training System	4,40,000.00

ADVANCE COMMUNICATION TRAINERS

1	ST 2115	Basic CDMA Trainer	40,000.00
2	ST 2131	CDMA - DSSS Trainer	1,28,000.00
3	ST 2131A	CDMA-DSSS Trainer with BER Measurement	1,76,000.00
4	ST2135	2 channel CDMA - DSSS training system	1,40,000.00
		Optional: 32 Channel Logic Analyzer with 256K Memory and 1Sa/s to 250Ms/s	71,500.00
5	ST 2132	Mobile Telephone Trainer	45,750.00
6	ST 2133	Basic GSM Trainer	60,000.00
	ST 2133AM	Optional Application module	4,500.00
7	ST 2134	Base Band Transmitter Training System	60,000.00
8	NV4000	RFID Trainer	58,000.00
9	NV 4001	Bar Code Scanning Technology Trainer	35,000.00

10	GSM-01	GSM Evaluation Kit	1,30,000.00
11	ST 2276	GPS Trainer	49,000.00
12	ST 2603	Fourier Synthesis Trainer	36,000.00
13	BTL-01	Blue Tooth Link Demonstrator	22,900.00
14	WL-01	Wireless LAN Demonstrator	27,000.00
15	BT-1000	Blue Tooth Basic/ Development Kit	1,93,500.00
16	BT-2001	Blue Tooth Telecom Trainer	3,22,500.00
17	BT-3000	Blue Tooth Embedded Training system	4,73,000.00
18	BEHK-100	Bluetooth Embedded Headset Kit	64,500.00
19	MT-2000	Mobile Telecommunication Trainer	3,22,500.00
20	MT-1000 *	Mobile Telecom Board Level Kit	1,93,500.00
21	WATS-2002	Wave and Antenna Training System	5,35,500.00
22	MW-1000	Microwave Experiment Kit	1,56,000.00
23	MW-2000	Microwave communication trainer	3,01,500.00
24	MW-5000	Microwave communication trainer, 5.8 GHz	4,20,000.00
25	RFID-Dual	RFID Trainer (13.56 MHz , 915 MHz)	5,04,500.00
26	CMT-5000	Cellular Mobile Trainer	13,00,000.00
27	UHN-3000	Ubiquitous Home Network Trainer	10,25,000.00
28	DMB-5000	Digital Multimedia Broadcasting Trainer 1) Transmitting Station (Transmitter) - 1 unit 2) Receiving Set (Receiver) - 1 unit *:- Minimum order quantity 10Nos.	17,58,000.00
29	DMB-5000	Digital Multimedia Boradcasting Trainer (For Group Training) (1) Transmitter Station - 1 unit (ii) Receiver Set - 10 units	30,63,000.00
30	USC-7000	Ubiquitous Sensor Control Trainer 1) Server - 1 unit 2) Client - 1 unit	5,72,000.00
31	USC-7000	Ubiquitous Sensor Control Trainer (For Group Training) 1) Server - 1 unit 2) Client - 10 units	31,05,000.00

32	ISDN-01	<p>ISDN Trainer</p> <p>B-Link 4 port basic rates ISDN network simulator, Simulate four independent ISDN lines on your desktop, Central Office Switch for S/T Interface</p> <p>Terminal Equipment Consisting of :</p> <p>I. ISDN Telephone - 2 Nos</p> <p>II. ISDN Terminal Adaptor - 1 No.</p> <p>III. Analog Telephone - 01 Nos.</p> <p>IV Analog Telephone Trainer- 01Nos.</p>	2,55,000.00
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MICROWAVE TEST BENCHES (X Band) NVIS
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1	MT 9000	<p>Microwave Test Bench</p> <p>1. Study of Reflex Klystron</p> <p>2. Frequency, Guide Wavelength Measurement</p> <p>3. SWR, Reflection Co-efficient Measurement</p> <p>4. Impedance Measurement</p>	76,200.00
2	MT 9001	<p>Microwave Test Bench</p> <p>1. Study of Gunn Oscillator</p> <p>2. Frequency, Guide Wavelength Measurement</p> <p>3. SWR, Reflection Co-efficient Measurement</p> <p>4. Impedance Measurement</p>	82,850.00
3	MT 9002	<p>Microwave Test Bench</p> <p>1. Measurement of Radiation Pattern of Antennas</p> <p>2. Measurement of Gain of Antennas</p>	1,11,250.00
4	MT9002A	<p>Motorised Microwave Test Bench with Software</p>	1,44,500.00
5	MT 9003	<p>Microwave Test Bench</p> <p>1. Dielectric Constant Measurement of Solids</p> <p>2. Dielectric Constant Measurement of Liquid</p> <p>3. Phase Shift Measurement</p>	92,250.00
6	MT 9004	<p>Microwave Test Bench</p> <p>1. Study of E-Plane, H-Plane & Magic Tees</p> <p>2. Study of Directional Couplers</p> <p>3. Study of Fixed and Variable Attenuators</p> <p>4. Study of Isolator and Circulators</p>	1,20,650.00
7	MT9005	<p>Microwave Test Bench</p> <p>1. To measure the gain of a waveguide horn antenna</p> <p>2. Study on measurements with Multihole Directional Coupler</p> <p>3. Study of Magic Tee</p> <p>4. The Q and bandwidth measurement in cavity resonator</p>	1,54,000.00
8	MT 9006	<p>Advanced Microwave Test Bench</p> <p>1. Study of Gunn Oscillator</p> <p>2. Frequency, Guide Wavelength Measurement</p> <p>3. SWR, Reflection Co-efficient Measurement</p> <p>4. Impedance Measurement</p>	91,500.00
9	NV 105	<p>Microwave Power Meter</p>	55,000.00

	Sensor	Power Sensor (Agilent/Harris, USA)	2,05,000.00
	Sensor	Refurbished Power Sensor (Agilent/Harris, USA)	1,50,000.00
10	NV 9008	Microwave Integrated circuits (MIC) Trainer	1,85,000.00
11	NV 2001	Radar Trainer	65,000.00
12	NV 2000	Wave and Propagation Trainer	63,500.00

MICROWAVE TEST BENCH COMPONENTS & INSTRUMENTS (NVIS)

1	NV 203	Klystron Mount with Klystron Tube 2K25	5,700.00
2	NV 102	Solid State Klystron Power Supply	15,400.00
4	NV 201	Gunn Oscillator 10mw	13,350.00
5	NV 101	Gunn Power supply	9,950.00
6	NV202	PIN Modulator	6,150.00
7	NV103	VSWR Meter	13,500.00
8	NV205	Frequency Meter (Direct Readout)	9,500.00
9	NV204	Isolator	4,400.00
10	NV 206	Variable Attenuator (20 dB)	4,600.00
11	NV 207	Slotted Section	6,650.00
12	NV 208	Tunable Probe	2,350.00
13	NV 209	Detector Mount	3,500.00
14	NV 210	Movable Short	2,200.00
15	NV 212	Matched Termination	2,100.00
16	NV 220	S.S. Tuner	3,200.00
17	NV 217	Fixed Attenuator 3 dB	1,600.00
18	NV 218	Fixed Attenuator 6 dB	1,600.00
19	NV 219	Fixed Attenuator 10 dB	1,600.00
20	NV 221	E Plane Tee	2,800.00
21	NV 222	H Place Tee	2,800.00
22	NV 223	Magic Tee	2,800.00
23	NV 226	Multihole Directional Coupler 3 dB	5,000.00
24	NV 228	Multihole Directional Coupler 10 dB	5,000.00
25	NV 229	Multihole Directional Coupler 20 dB	5,000.00
26	NV 254	Multihole Directional Coupler 40 dB	5,000.00
27	NV 232	E - Plane Bend	2,000.00
28	NV 233	H - Plane Bend	2,000.00
29	NV 230	T - Circulator	4,450.00
30	NV 231	Y - Circulator	4,450.00
31	NV 214	Mechanical Turn Table (1 set)	11,300.00
32	NV 239	Standard Gain Horn	3,000.00
33	NV 2540	Pick Up Horn	3,000.00
34	NV 241	Slotted Antenna Broad Wall	5,000.00
35	NV242	Slotted Antenna Narrow Wall	5,000.00
36	NV 243	Dielectric Antenna	5,500.00
37	NV 244	E-Sectorial Horn	2,600.00
38	NV 245	H-Sectorial Horn	2,600.00
39	NV 247	Parabolic Disc (with Feed) 8" dia	7,500.00
40	NV 246	Pyramidal Horn	3,000.00
41	NV 235	Precision Short	3,600.00
42	NV 236	Solid Dielectric Cell	4,500.00
43	NV 237	Liquid Dielectric Cell	8,500.00
44	NV 238	Phase Shifter	5,200.00
45		Samples of Solid Dielectric	1,950.00
46		Smith Chart (Pad of 100 Pcs)	300.00

47	NV 213	Wave guide stand	400.00
48	NV 250	Cooling Fan	1,100.00
48	NV 248	EH - Tuner	4,400.00
49	NV 216	Wave Guide Twist, 90	2,150.00
50	NV 225	Co-axial to Wave Guide Adaptor	1,600.00
51	NV 234	Microwave Cavity X Band	4,700.00
52		BNC Cable	250.00
53		TNC Cable	300.00
55		Tripod Stand	3,500.00
56	IN 23	Detector IN 23 Diode	850.00
57		MIC Single Element Patch Antenna	3,000.00
58		Conical Antenna	4,100.00
59	NV 211	Helical Antenna	3,200.00
60	NV 229	CD Coupler	2,750.00
61	NV 252	Gunn Oscillator 5mw	11,350.00

RF/MICROWAVE CIRCUIT DESIGN TRAINERS

1	MSA 2003	Microwave Active Circuit Design Trainer (8 Module)	4,16,000.00
2	LC 2001	RF Circuit Design Trainer (8 Module)	3,54,000.00
		Optional:	
	RSG2003	Triple Band Radio Signal Generator for MSA 2003 & LC2001	1,40,500.00

SATELLITE COMMUNICATION TRAINER

1	ST 2272	Satellite Communication Trainer	97,500.00
		Optional:	
	SolarPack	Solar Pack for Satellite module	4,500.00
	MSA 338	3.3 GHz Spectrum Analyser	338,000.00
	Caddo9250	2.5 GHz Frequency Counter	16,500.00

TRANSMISSION LINE TRAINER

1	ST 2266	Transmission Line Trainer	19,500.00
		Optional:	
	Caddo9300	Handheld Cable Fault Locator	37,500.00

RF LAB

13	RF Lab	Basic Radio Frequency (RF) Lab	33,500.00
		Containing :	
	RF-01	RF Filter (Lowpass and Highpass)	
	RF-02	RF Filter (Bandpass and Bandreject)	
	RF-03	Pierce Crystal Oscillator	
	RF-04	NPN Colpitts Crystal Oscillator	
	RF-05	Hartley LC Oscillator	
	RF-06	Clapp Oscillator	
	RF-07	RF Tuned Amplifier	
	RF-08	IF Amplifier	
	RF-09	Mixer Circuit	
		Optional :	
	AD-01	Power Supply for Analog Boards (+ 12V/250mA, + 5V/250mA)	1,200.00
	Caddo1500	150MHz RF Signal Generator	7,500.00

Caddo 8005 TG 500MHz Spectrum Analyzer with Built in Tracking Generator 95,750.00

CONSUMER ELECTRONICS TRAINERS

1	ST 2651	Colour TV Trainer (36cm)	28,500.00
2	ST 2651	Colour TV Trainer (51cm)	33,500.00
3	ST 2670	Colour Pattern Generator	9,500.00
4	ST2653	Spectrum Application Demonstrator Trainer	18,500.00
5	ST2658	DSO Demonstrator Trainer	8,500.00
6	ST 2654	DTMF Telephone Trainer	10,500.00
7	ST 2655	Black & White TV Trainer (36cm)	18,500.00
8	ST 2655	Black & White TV Trainer (17 Inch.)	22,500.00
9	ST2656	Tape Recorder Trainer	12,500.00
10	ST2657	Automatic Telephone Exchange/EPABX Training System	45,500.00
11	ST2661	FM Stereo Trainer	9,800.00
12	ST2662	VCD Trainer	13,000.00
13	NV 6001	Inverter Trainer	9,000.00
14	NV 4001	Bar Code Scanning Technology Trainer	35,000.00

OSCILLOSCOPE DEMONSTRATOR/ TRAINER

1	ST2001E	Oscilloscope Demonstrator / Trainer with Digital Multimeter	22,750.00
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INSTRUMENTATION TRAINERS

1	ST 2301	Optical Transducer Trainer (Photoconductive Cell, Photovoltaic Cell, Phototransistor and Pin Photodiode)	14,500.00
2	ST 2302	Temperature Transducer Trainer (N. T. C. Thermistor, Platinum R. T. D., Type K Thermocouple and IC Temperature Sensor)	14,500.00
3	ST 2303	LVDT Trainer	10,800.00
4	ST 2304	Strain Gauge Trainer	10,800.00
5	ST 2321	Transistor Analyzer	12,500.00
6	ST2305	Relay Control Trainer	6,500.00
7	ST 2308	Pressure Transducer Trainer	

8	NV3000	Control System Trainer	42,500.00
9	NV3001	Process Control Trainer	2,75,000.00
10	ST 2401A	PLC (Siemens) Trainer 8 Input - 6 Output with Different Application Software for Car Parking, Washing Machine, Vending Machine, Tank level Control & Elevator Control	79,000.00
11	ST 2401B	PLC (Siemens) Trainer 14 Input - 10 Output with Different Application Software for Car Parking, Washing Machine, Vending Machine, Tank level Control & Elevator Control	95,000.00
12	ST 2401C	PLC (Siemens) Trainer 24 Input - 16 Output with Different Application Software for Car Parking, Washing Machine, Vending Machine, Tank level Control & Elevator Control	1,49,000.00
13	ST 2402	PLC (Delta) Trainer 8 input - 6 output Optional: Application Board for PLC	32,500.00
14	ST2403A	Industrial PLC (Fatek) Trainer 8 input/6 output	35,000.00
15	ST2403B	Industrial PLC (Fatek) Trainer 12 input/8 output	40,000.00
16	ST2403AM	Analog Module for PLC Trainer 4 analog input/2 analog output (For Fatek PLC)	28,000.00
17		<u>PLC application Board</u>	
	ST2421	Water Level Control	4,500.00
	ST2422	Elevator Control	4,500.00
	ST2423A	Traffic Light Control	4,500.00
	ST2423B	Traffic Light Control	4,500.00
	ST2425	Conveyer Belt	6,800.00
18	ST2451	PID Controller Trainer	12,500.00
19	ST108	Wireless Sensor Network Training System	OR
20	ST 112	Wireless Robot Training System	OR
19	ST 2601	Analog to Digital Converter Trainer	6,250.00
20	ST 2602	Digital to Analog Converter Trainer	6,250.00

BIOMEDICAL TRAINERS

1	ST 2351	Heart Rate cum ECG Monitor Trainer with real time ECG Analysis Software	14,000.00
2	ST 2352	ECG Simulator Trainer with RS 232 interface	10,000.00
3	ST 2353	Respiration Rate Monitor Trainer	12,500.00
4	ST2354	Electro - Myograph Trainer	15,000.00
5	ST2355	Electro - Encephalograph Trainer	15,000.00

6	ST2356	Phonocardiograph Trainer	14,000.00
7	ST2357	Pulse Rate Meter Trainer	16,500.00
8	ST2358	Blood Pressure Measurement Trainer	28,500.00

NET WORK LAB

1	ST 5001	Data Communication Trainer	55,000.00
2	ST 5002	LAN Trainer	95,000.00
	Simtel	Lan simulation software module (Netsys)	
1		Stand alone Licence :	
2		Single User License (stand alone)	45,000.00
3		5 user license (stand alone - with 5 dongles)	1,50,000.00
4		10 user license (stand alone - with 10 dongles)	2,80,000.00
5		15 user license (stand alone - with 15 dongles)	4,20,000.00
6		20 user license (stand alone - with 20 dongles)	500,000.00

IT PRODUCTS

1	ST 5000	Mobile Phone Gaming Console	25,000.00
2	ST 2652	Multimedia Computer Trainer	85,500.00
3	Website X5	Website Design Software	5,000.00

ELECTRICAL ENGINEERING PRODUCTS

1	NV7001	Three Phase Lab including Three Phase Low Voltage Power Supply	15,000.00
		Optional (Application Boards)	
1	EB-01	Three Phase Supply configuration	2,100.00
2	EB-02	Three Phase Rectifiers	750.00

HANBACK PRODUCTS

1	HBE-CDMA 2	Mobile communication	2,16,000.00
2	HBE-WCDMA	Mobile communication	2,47,500.00
3	BTS Emulator for WCDMA	Mobile communication	3,00,000.00
4	HBE-B3E (Main System)	Electric & Electronic Experiment	2,77,500.00
5		Thema Module	6,500.00
6	HBE-RFID-REX	Ubiquitous Sensor Network (125KHz, 13.56MHz)	1,80,000.00
7	HBE-RFID-900MHz	Ubiquitous Sensor Network	79,500.00
8	HBE-UBI-MSP430	Ubiquitous Sensor Network - 10 nodes, including Recharge battery, recharger, USB Programmer, Cable and Manual	1,50,000.00
9	HBE-UBI-Chirp	Ubiquitous Sensor Network - 4 nodes including	1,50,000.00

	(IEEE 802.15.4a)	Recharge battery, recharger USB Programmer, Cable and Manual	
10	HBE-UBI-Mango	Ubiquitous Sensor Network - 6 nodes, including Recharge battery, recharger USB Programmer, Cable and Manual	1,50,000.00
11	HBE-ZigbeX	Ubiquitous Sensor Network -10 nodes, including Recharge battery, recharger USB Programmer, Cable, Manual and 13.56 MHz RFID Reader, Tag Card	1,50,000.00
12	HBE-UBI-Coin	Ubiquitous Sensor Network	5,300.00
		Optional for Ubiquitous Sensor Network	
		Ultrasonic Sensor Module	6,080.00
		Home Sensor Module	19,200.00
		Bio Sensor Module	19,200.00
		Weather Sensor Module	23,200.00
		Location Detection Sensor Module	19,200.00
		Motor Control Module	3,200.00
		Relay Module	3,200.00
		USB Module	3,200.00
		LCD Module	4,800.00
		Bluetooth Module	9,600.00
		HBE-UBI-BOX (Gateway+RF amp)	32,000.00
		HBE-UBI-Homenet	2,16,000.00
13	HBE-SM II	Convergence Embedded Platform	1,86,000.00
		Options for Convergence Embedded Platform	
14	HBE-Robocar	Option for Convergence Embedded Platform	67,500.00
	HBE-SM2-Adapt	Option for Convergence Embedded Platform	9,920.00
	HBE-SM2-CC2420	Option for Convergence Embedded Platform	6,560.00
	HBE-SM2-RFID	Option for Convergence Embedded Platform (125KHz)	9,920.00
	HBE-SM2-RFID	Option for Convergence Embedded Platform (13.56MHz)	7,920.00
	HBE-SM2-Adapt-Sensor	Option for Temperature/Humidity/Light/Infrared/Accelerometer/Barometer /Magnetism Sensor Module	23,200.00
	HBE-SMW-GPS	Convergence Embedded Platform - option	13,280.00
	HBE-SM2-TDMB	Convergence Embedded Platform - option	20,000.00
15	HBE-EMPOS 2	Embedded System	1,11,000.00
16	HBE-SOC-Entry II	System On Chip (SOC) System	2,47,500.00
17	TDMB HBE-TDMB-XMITTER	DMB system (Transmitter)	14,25,000.00
18	TDMB	DMB system (Receiver system)	1,24,500.00
19	HBE-LogDSP	Digital Signal Processor (image)	1,86,000.00
20	DSPLAP2000	Digital Signal Processor (Audio)	90,000.00

21	HBE-Elevator	Application (included in FPGA/AVR)	1,11,000.00
22	HBE-MCU-Multi	Multiple Processor System (included in Atmega 128 Base)	81,000.00
	Optional:		
	PIC	Multiple Processor System(PIC16F87APT+8051AT89551-33AC)	33,600.00
23	HBE-Multi Tracer (FPGA Version)	Multiple Processor System	67,200.00
24	HBE-Robocar	Intelligent Robot System (Bluetooth Model inclusion)	85,500.00
25	HBE-EROBO-TANK	Intelligent Robot System	4,05,000.00
26	HBE-KROBO	Intelligent Robot System	67,200.00
27	HBE-ROBONOVA- AI	Intelligent Robot System	1,35,000.00
28	HBE-OPT-303	Optical Multi Training System (650nm,1310nm,1550nm)	3,15,000.00
29	HBE-OPT-202	Optical Multi Training System (650nm)	1,35,000.00

SOFTWARES (DESIGNSOFT)

1	TINA v7 Educational version (includes passive and active filter design, interactive VHDL, microcontrollers and more)		
	Single User(First Station)		21,900.00
	Second and further licences		11,250.00
	5 User (stand alone)		68,000.00
	5 User (network)		63,800.00
	10 User (stand alone)		99,000.00
	10 User (network)		89,600.00
	15 User (stand alone)		1,30,500.00
	15 User (network)		116,000.00
	20 User (stand alone)		1,61,350.00
	20 User (network)		1,39,000.00
	30 User (stand alone)		223,750.00
	30 User (network)		1,95,000.00
	40 Users (standalone)		2,70,000.00
	40 Users (network)		2,31,650.00

	50 User (standalone)	3,11,000.00
	50 User (network)	2,63,500.00
2	TINA v7 Design Suite includes TINA v7 + PCB Design Educational version	
	Single User (First Station)	27,800.00
	Second and further licences	13,850.00
	5 User (stand alone)	83,900.00
	5 User (network)	79,000.00
	10 User (stand alone)	1,59,800.00
	10 User (network)	1,25,500.00
	15 User (stand alone)	1,56,500.00
	15 User (network)	1,42,500.00
	20 User (stand alone)	1,90,500.00
	20 User (network)	1,71,500.00
	30 User (stand alone)	2,63,000.00
	30 User (network)	2,34,850.00
	40 Users (standalone)	3,22,700.00
	40 Users (network)	2,85,000.00
	50 User (standalone)	3,77,000.00
	50 User (network)	3,30,500.00
3	TINA Student version Design Suite v7 (100 External +Spice macro nodes)	
	Single license with printed manual	8,500.00
	Single license only with electronic manual	7,500.00
	Buy 50-100 CDs	5,000.00
4	EDISON 4 AC/DC Electronics with Photorealistic parts and protoboards	
	Single User	7,400.00
	5 User (stand alone)	24,700.00
	5 User (network)	20,000.00
	10 User (stand alone)	38,500.00
	10 User (network)	29,500.00
	15 User (stand alone)	51,000.00
	15 User (network)	36,850.00

5 Newton 3.0

16,000.00

CIRCUIT DESIGN SIMULATION, ANALYSING SOFTWARE-NEW WAVE CONCEPTS

1	Livewire Version 1	
	Professional Edition 1-User	9,600.00
	Professional Edition 5-User	24,000.00
	Professional Edition 5-User Extension	9,600.00
	Home (hobbyist) Edition 1-User	2,900.00
2	Bright Spark Version 1	
	Professional Edition 1-User	9,600.00
	Professional Edition 5-User	24,000.00
	Professional Edition 5-User Extension	9,600.00
	Home (hobbyist) Edition 1-User	2,900.00
3	PCB Wizard Version 3	
	Professional Edition 1-User	9,600.00
	Professional Edition 5-User	24,000.00
	Professional Edition 5-User Extension	9,600.00
	Home (hobbyist) Edition 1-User	2,900.00
4	Control Studio	
	Professional Edition 1-User	9,600.00
	Professional Edition 5-User	24,000.00
	Professional Edition 5-User Extension	9,600.00
	Home (hobbyist) Edition 1-User	2,900.00

AUTOMATION STUDIO SOFTWARE PACKAGE

1	Automation Studio Version 5.2	
	- Single user	1,40,500.00
	6 user - Standalone Version	2,87,500.00
	6 user - Network Version	2,53,000.00
	12 user - Standalone Version	5,24,000.00
	12 user - Network Version	4,45,000.00
	Optional :	
2	SFC to Siemens S7 PLC code export	
	- Single user	24,000.00
	- 6 user Standalone version	93,000.00
	- 6 user Network version	61,250.00
	- 12 user Standard version	2,40,000.00
	- 12 user Network version	1,75,750.00
3	OPC Client Communication Module for I/O Simulation & Control Monitoring	
	- Single user	24,000.00
	- 6 user Standalone version	93,000.00
	- 6 user Network version	61,250.00
	- 12 user Standalone version	2,40,000.00

	- 12 user Network version	1,75,750.00
4	Input/Output Interface Kit	51,650.00
5	Input/Output ISA Card for Interface Kit	40,000.00

VIRTUAL SIMULATION SOFTWARE-CUBITECK

1	V-HPS1.1	Virtual Hydraulic & Pneumatic System Simulation Software	
		Single	25,000.00
		5 User	1,11,800.00
		10 User	2,10,850.00
		20 User	3,96,700.00
		30 User	5,58,050.00
		40 User	7,43,900.00
		50 User	9,30,300.00
2	V-CNC4.0	Virtual Computer Numerical Control Machine Simulation Software	
		Single	24,500.00
		5 User	1,11,820.00
		10 User	2,10,870.00
		20 User	3,96,700.00
		30 User	5,58,050.00
		40 User	7,43,900.00
		50 User	9,30,250.00
3	V-MECA1.1	Virtual mechatronics Simulation Software	
		Single	49,650.00
		5 User	223,100.00
		10 User	421,750.00
		20 User	793,400.00
		30 User	11,16,100.00
		40 User	14,87,800.00
		50 User	18,60,000.00
4	V-ELEQ 1.1	Virtual Electric Circuit Design Simulation Software	
		Single	24,500.00
		5 User	1,11,800.00
		10 User	2,10,870.00
		20 User	3,96,700.00
		30 User	5,58,050.00
		40 User	7,43,900.00
		50 User	9,30,300.00

INSTRUMENTATION SOFTWARE

1	LADSIM	<u>Ladder Logic Simulation Software Stand Alone Parallel Port Dongle/USB Dongle</u>	
		Single User	45,500.00
		10 User	162,950.00
		<u>Ladder Logic Simulation Software Network Parallel Port Dongle/USB Dongle</u>	
		Single User	48,300.00
		10 User	123,540.00
		20 User	214,070.00
		50 User	4,07,000.00
		<u>Ladder Logic Simulation Software Additional Stand Alone Parallel Port Dongle/USB Dongle License</u>	
			17,550.00
		<u>Ladder Logic Simulation Software Additional Network Parallel Port Dongle/USB Dongle License</u>	
			11,200.00

2	FCP	<u>Fuzzy Control Software Stand Alone Parallel Port Dongle/USB Dongle</u>	
		Single User	48,300.00
		10 User	1,63,000.00
		<u>Fuzzy Control Software Network Parallel Port Dongle/USB Dongle</u>	
		Single User	48,300.00
		10 User	1,23,250.00
		20 User	2,14,100.00
		50 User	4,33,450.00
		<u>Fuzzy Control Software Additional Stand Alone</u>	
		Parallel Port Dongle/USB Dongle License	17,550.00
		<u>Fuzzy Control Software Additional Network</u>	
		Parallel Port Dongle/USB Dongle License	11,200.00
3	PCUSIM	<u>Process Control Simulation Software Stand Alone Parallel Port Dongle/USB Dongle</u>	
		Single User	21,650.00
		10 User	111,300.00
		<u>Process Control Simulation Software Network Parallel Port Dongle/USB Dongle</u>	
		Single User	21,650.00
		10 User	54,000.00
		20 User	1,08,100.00
		50 User	2,14,100.00
4		<u>Process Control Simulation Software Additional Stand Alone</u>	
		Parallel Port Dongle/USB Dongle License	13,750.00
5		<u>Process Control Simulation Software Additional Network</u>	
		Parallel Port Dongle/USB Dongle License	8,200.00
MICROTUTOR TRAINING PACKAGES (SOFTWARES)			
1		Microtutor '85	
		a) 8085 Tutor with Periphera Tutor\+C1036	
		Single user	19,500.00
		5 User	22,800.00
		10 User	26,900.00
		20 User	35,000.00
		b) 8085 Simulator	
		Single user	8,950.00
		5 User	25,250.00
		10 User	45,750.00
		20 User	86,500.00
2		Microtutor '86	
		Single User	12,250.00
		5 User	15,500.00
		10 User	19,500.00
		20 User	28,500.00
3		University Programme for 8051 Embedded Lab	2,98,500.00
4		Microtutor '51	
		8051 Tutor	
		Single User	19,500.00

	5 User	22,800.00
	10 User	26,900.00
	20 User	35,000.00
5	Simulator '51	
	Single user	8,950.00
	5 User	25,250.00
	10 User	45,750.00
	20 User	86,500.00
6	8051 Basics	
	Single user	8,250.00
	5 User	11,500.00
	10 User	15,500.00
	20 User	23,750.00
7	8051 Programming Techniques	
	Single User	8,250.00
	5 User	11,500.00
	10 User	15,500.00
	20 User	23,750.00
8	8051 On-Chip Peripheral	
	Single User	8,250.00
	5 User	11,500.00
	10 User	15,500.00
	20 User	23,750.00
9	8051 Interfacing Technique	
	Single User	12,250.00
	5 User	15,500.00
	10 User	19,500.00
	20 User	27,750.00
10	8051 Digital Worksheet	
	Single user	8,250.00
	5 User	11,500.00
	10 User	15,500.00
	20 User	23,750.00
11	8051 C-Cross Compiler	
	Single User	26,000.00
	5 User	52,750.00
	10 User	86,250.00
	20 User	1,53,000.00
	5 User	35,000.00
	10 User	40,000.00
	20 User	45,000.00
12	8051 Visual Programme Builder	
	Single User	37,500.00
	5 User	40,500.00
	10 User	46,500.00
	20 User	51,750.00

1	EC-01	Analog Communication	4,500.00
2	EC-02	Digital Communication	4,500.00
3	EC-03	Antennas	4,500.00
4	EC-04	GPS	4,500.00
5	EC-05	GSM	4,500.00
6	EC-06	CDMA	4,500.00
7	EC-07	Cellular fundamentals	4,500.00
8	EC-08	Bluetooth	4,500.00
9	EC-09	Fiber Optics	4,500.00

SIMTEL TECHNOLOGY LEARNING SOFTWARE

1	Analog Electronics		
	Single User License		5,500.00
	5 User License		22,500.00
	10 User License		40,000.00
	15 User License		52,500.00
	20 User License		60,000.00
2	Digital Electronics		
	Single User License		5,500.00
	5 User License		22,500.00
	10 User License		40,000.00
	15 User License		52,500.00
	20 User License		60,000.00
3	Analog Communication		
	Single User License		7,500.00
	5 User License		33,750.00
	10 User License		60,000.00
	15 User License		78,750.00
	20 User License		90,000.00
4	Digital Communication		
	Single User License		15,000.00
	5 User License		67,500.00
	10 User License		1,20,000.00
	15 User License		1,57,000.00
	20 User License		1,80,000.00
5	Antenna Module		
	Single User License		20,000.00
	5 User License		90,000.00
	10 User License		1,60,000.00
	15 User License		2,10,000.00
	20 User License		2,40,000.00
6	Fiber Optic Module		
	Single User License		10,000.00
	5 User License		45,000.00
	10 User License		80,000.00
	15 User License		1,05,000.00
	20 User License		1,20,000.00
7	Telephony		
	Single User License		7,500.00

	5 User License	33,750.00
	10 User License	60,000.00
	15 User License	78,750.00
	20 User License	90,000.00
8	Wireless Communication	
	Single User License	35,000.00
	5 User License	1,57,000.00
	10 User License	2,80,000.00
	15 User License	3,67,500.00
	20 User License	4,20,000.00
9	Networks Module (Netsys)	
	Stand alone Licence :	
	Single User License (stand alone)	45,000.00
	5 user license (stand alone - with 5 dongles)	1,50,000.00
	10 user license (stand alone - with 10 dongles)	2,80,000.00
	15 user license (stand alone - with 15 dongles)	4,20,000.00
	20 user license (stand alone - with 20 dongles)	500,000.00
10	Microwave Module	
	Single User License	25,000.00
	5 User License	95,000.00
	10 User License	1,70,000.00
	15 User License	2,20,000.00
	20 User License	2,60,000.00
11	All modules of SIMTEL 9(Communication)	
	Single User License	1,12,500.00
	5 User License	3,45,000.00
	10 User License	5,20,000.00
	15 User License	5,75,000.00
	20 User License	7,20,000.00

TEACHING AIDS

1	Trace Board	Interactive Touch Screen Digital White Board - 95" size	
2	Trace Board	Interactive Touch Screen Digital White Board - 78" size	
3	Trace Board	Interactive Touch Screen Digital White Board - 58" size	
		Optional	
4	Floor Stand	Mobile Floor stand with adjustable height	
		Lab Ear	
5	UNC 2400M	Main Console	1,90,000.00
6	UNC-2400S	Pack & Head set	8,000.00
7	UNC-712	12 Battery Charger	24,900.00

FIBER OPTICS TRAINING USING VIDEOS AND CDROMS

Fiber Optic Technology Series

1	LASERs as a tool (Only Video)	7,990.00
2	Introduction to fiber optic theory and fiber structure	7,990.00
3	Fiber optic cable	7,990.00
4	Fiber optic connectors, Connectorization and patch panels	7,990.00
5	Fiber optic testing troubleshooting and documentation	7,990.00
6	Fiber optic applications	7,990.00
7	Fiber optic LEDs, LASERs and Detectors	7,990.00
8	Fiber optic coupler, switches and isolations	7,990.00
9	Fiber optic installation	7,990.00
10	Fiber optic safety	7,990.00
11	Plastic optical fiber	7,990.00
12	Dense wavelength division multiplexing	7,990.00
13	Fiber optic system design	7,990.00
14	History of fiber optics	7,990.00
15	Fiber Optic splicing and splice closures	7,990.00

How To Series

1	How to perform optical loss testing	7,990.00
2	Understanding and using OTDR	7,990.00
3	How to prepare fiber Optic cables	7,990.00
4	How to cleave, polish and inspect a fiber optic connector	7,990.00
5	How to perform a fiber acceptance test	7,990.00
6	Single mode fiber optic Emergency restoracion	7,990.00
7	How to perform an optical loss Budget	7,990.00
8	How to cleave and splice optical fibers	7,990.00
9	How to Prepare a fiber optic patch panel	7,990.00
10	How to clean a fiber optic connector	7,990.00

MAKE YOUR OWN PROJECTS

1	PR-01	5 MHz Single Channel Oscilloscope	9,750.00
2	PR-02	100 kHz Function generator	3,800.00
3	PR-03	Fixed Power Supply +/-12 V / 0.2 A, 5 V / 0.5 A.	3,800.00
4	PR-04	Curve Tracer	3,800.00
5	PR-05	30 MHz Frequency Counter	3,800.00
6	PR-06	Digital Volt meter	3,800.00
		Fiber Optic Projects	
1	IF-DD11	Duplex Designer's	11,000.00
2	IF-E10	Experimenter	650.00
3	IF-E22	Educational Communications	1,450.00
4	IF-E33	Science Project Kit	4,000.00
5	IF-E60	Adventures in Fiber Optics	3,500.00
6	IF-OVL10-K	Optical Voice Link, Kit	3,850.00
7	IF-OVL20-K	Duplex Optical Voice Link, Kit	8,000.00
8	IF-SD11	Simplex Designer's	6,000.00
p	IF-SL-K	Speed of Light Apparatus, Kit	10,900.00
10	IF-545	Fiber Optic A/D Kit	4,750.00
		Laser Projects	
2	IF-511	Laser Audio Trans, HeNe	48,300.00
3	IF-512	Laser Audio Trans, Diode	36,700.00
4	IF-546	Laser Speed of Light Project	57,000.00
5	IF-548	Laser Ray Viewing Kit	7,700.00
	IF-549	Light Ray Viewing Kit w/ Laser	49,100.00

TRAINING WORKSHOPS

1	Advance Telecommunication Workshops (06 Days)	6,000.00
2	Advance Telecommunication Workshops (04 Days)	4,750.00
3	Embedded System (03 Days)	3,250.00
4	Digital Signal Processing (02 Days)	2,500.00
5	Test & Measuring Instruments (03 Days)	3,250.00
	Note:- Minimum candidates For any Workshops should be 20 persons	
	Fees Shown above is per candidate	

WALLCHARTS

1	Cathode Ray Oscilloscope	550.00
2	Colour TV	550.00
3	Illustrative Chart Of Commonly Used Components	900.00
4	Photonics Wall Chart (Laminated)	550.00
6	Fibre Optics	550.00
7	Basic Digital Electronics	550.00
10	Microwave	550.00
11	GSM	550.00
12	Networking	550.00

TERMS & CONDITIONS

- 1 The prices are FOR Destination (in India)
- 2 Sales Tax : @3% against form 'C' else extra at actuals
- 3 Local levies such as Octroi, Entry Taxes etc. where applicable are extra
- 4 Road Permit and other forms to be provided alongwith the order where ever applicable
- 5 Payment : 100% against delivery by DD only.
- 6 Test Certificate will be provided for oscilloscopes (On request made before despatch of material from factory).
O.R. * = Price On Request
- 8 Items/Modules marked in bold are non manufactured products.
Scientech and Caddo are both registered trade marks of Scientech Technologies Pvt. Ltd. Indore
- 9 Validity of quotation to customer should not be more than 60 days for non - manufactured items.
- 10 Prices and contents are subject to change