

# "Kits N Spares"

## PRICE LIST Printed Circuit Boards

Price List of PCBs

S.No	Products	Current Price (Rs)
1	Moving message display with LED Dot Matrix (2004-12/66)	200
2	Low Cost Inverter (2005-06/59)	50
3	# 95 debarring facility for your telephone (Oct 2002)	65
4	Intelligent emergency light ( Dec"02)	50
5	Car Security System with remote control (Jan 2003)	45
6	A tutorial on 89C51 development kit (Jan 2003)	350
7	DTMF Remote control system (Feb 2003)	50
8	Automated Car Parking System (April 2003)	80
9	Temp. measurement using sensor (May 2003)	35
10	Digital Clock with Sec. and alarm (June 2003)	145
11	Multichannel Remote control system (Aug 2003)	70
12	Micro-processor controlled thermometer (Aug"03)	180
13	DTMF 8 Channel switching powerline (Sept 2003)	70
14	Multiple device switching using PC parallel port(Oct 2003)	75
15	Controlling 7-segment display using PC parrallel Port(Dec 2003)	30
16	Economical UPS for Cordless phone (Dec 2003)	40
17	Bi-directional visitor counter (2004-04/79)	50
18	Microprocessor based home security system ( 2004-10/64)	300
19	Load Protector with remote switching facility ( 2004- 08/ 80)	60
20	Laser based communication link (2004-06/87)	85
21	Device Switching using password (2004- 06/59)	100
22	Lift Overload Preventer (2004-03/94,96)	110
23	PC based data logger ( 2004-02/82 )	40
24	Micro-controller based call Indicator (2004-01/71)	45
25	Voice Recording and Playback (June 2002) {2002-06/46}	30
26	Digital Flow Meter (April 2002) {2002-04/54, 56}	70
27	Digital Clock with Hourly Music (March 2002) {2002-03/51}	65
28	Versatile Programmable Timer (Jan. 2002) {2002-01/68}	60
29	Automatic Submersible Pump Controller (Nov. 2001) {2001-11/54}	30
30	Fluid Level Controller with Indicator (Aug 2001) {2001-08/57}	65
31	Digital Capacitance-cum-Frequency Meter (Aug. 2001) {200108/47}	55
32	Telephone Line-Interfaced Generic Switching Sys. (May 2001)	110

	{2001-05/56a & b)	
33	Unique Liquid Level Indicator (Feb 2001) {2001-02/58}	50
34	Intelligent Water Level Controller (Feb 2001) {2001-02/54}	45
35	Automatic Room Light Controller (Jan 2001) {2001-01/68}	45
36	Telephone Recording/Answering Machine (Dec. 2000) {2000-12/56}	50
37	Electronic Bell System (Dec. 2000) {2000-12/47}	55
38	PC to PC Communication Using IR/Laser Beam (Nov. 2000) {2000-11/48}	30
39	Digital Code Lock (Sept 2000) {2000-09/57}	50
40	Simple IC Tester (Aug 2000) {2000-08/56}	25
41	C-Band Satellite TV Receiver (July 2000)(D.S.Gl.Ep) {2000-07/49}	205
42	Portable Ozone Generator (June 2000) {2000-06/52}	90
43	Electronic Voting Machine (April 2000) (G. Epoxy) {2000-04/55}	130
44	Elec. Proof Water Level Solution (March 2000) {2000-03/55}	85
45	Stereo Cassette Player (Feb 2000) {2000-02/54}	85
46	Automatic Induction Motor Starter with Programmable Timer (Dec 99) {99-12/53}	35
47	Multichannel Code Lock System (Dec 99) {99-12/50}	45
48	An 8085 Microprocessor Kit (Nov 99) {99-11/52}	425
49	50Hz Sinewave Inverter (Nov 99) {99-11/47}	30
50	Sleep Switch Wake-up Timer (Sept 99) {99-09/96}	50
51	Fast Charger for Inverter Batteries (July 99) {99-07/79}	15
52	Microprocessor based Token Number Display with Speech Facility (May 99) {99-05/57}	50
53	Mains Frequency Monitor (May 99) {99-05/48}	40
54	Calling Number Identification Using Calculator (March 99) {99-03/46}	40
55	Switchless Musical Calling Bell with Counter (Feb 99) {99-02/53}	35
56	Versatile FM Stereo Receiver (Jan 99) {99-01/94}	55
57	Digital Input-Output Card for PC (PTH-G.Ep.) (Jan 99) {99-01/57}	255
58	Digital Function Generator (Nov 98) {98-11/83 a & b}	95
59	PC Based 4-Axis Stepper Motor Control (Nov 98) {98-11/52}	55
60	Telephone Controlled Remote Switch (Oct 98) {98-10/57}	45
61	Ni-Cd Battery Charger for Walkman Batt. (Sep 98) {98-09/79}	15
62	Current Mode Controlled Switching Power Supplies (Sept 98) {98-09/60}	65
63	Digital IC Tester (PTH.G.Ep) (July 98) {98-07/84}	400
64	Electronic Telephone Demonstrator (July 98) {98-07/48}	70
65	Remote Controlled Switch Board-Set of 4 PCBs (May 98) {98-	70

	05/81}	
66	Digital Dial Clock (April 98) {98-04/53}	45
67	Automatic Lead-Acid Battery Charger (March 98) {98-03/53}	55
68	Versatile Digital Thermometer (Jan 98) {98-01/57}	40
69	Infrared Remote Control (EFY Dec 97) {97-12/58}	30
70	Simple Relay & Sensor Interface for PC, Glass Epoxy (Nov 97) {97-11/53}	160
71	Bank Token Number CMOS Display (Oct 97) {97-10/64}	65
72	Telephone Call Meter (Aug 97) {97-08/98}	55
73	Digitally controlled Variable Power Supply (July 97) {97-07/103}	62
74	Moving Message Display Using 8085 Double-Sided G. Epoxy (May 97) {97-05/54}	160
75	PC Based Function Generator (March 97) {97-03/57}	26
76	Manual EPROM Programmer cum Verifier (Feb 97) {97-02/86}	65
77	Automatic Voltage Stabiliser (Jan 97) {97-01/90}	26
78	Variable DC Power Supply (Dec 96, EP XVII) {96-12/90}	40
79	Basic Radio Transmitter (Nov 96, EP XVII) {96-11/84}	30
80	Data Acquisiton Card for PC (Oct 96, EP XVII) {96-10/88}	40
81	Programmable Digital Time Switch G. Epoxy (Oct 96, EP XVII) {96-10/83}	100
82	Automatic Emergency Torch (Sept 96, EP XVII) {96-09/81}	25
83	Moving Message Display, Double Sided Glass Epoxy (Aug 96, EP XVII) {96-08/90}	40
84	Wireless Home Security System (June 96, EP XVII) {96-06/76, 77}	60
85	All-In-One Alarm (April 96, EP XVII) {96-04/76}	15
86	Wide Band Booster Using FET (Feb 96, EP XVII) {96-02/80}	20
87	Pocket Radio-cum-Hearing Aid (Jan 96, EP XVII) {96-01/81}	15
88	Active Crossover Network (Dec 95, EP XVI) {95-12/103 & 104}	100
89	Budget Digital Oscilloscope (Dec 95, EP XVI) {95-12/98}	55
90	A Versatile ON/OFF Timer (July 95, EP XVI) {95-07/97}	38
91	Auto Shut Ni-Cd Battery Charger (June 95, EP XVI) {95-06/91}	20
92	Programmable Digital Clock (May 95, EP XVI) {95-05/79 & 80}	85
93	Audio Histogram Set (Mar 95, EP XVI) {95-03/129 & 130}	90
94	60W Active Amplifier System (Nov 94, EP XV) {94-11/50}	55
95	Solid State Advt. Display (Oct 94, EP XV) {94-10/79}	40
96	Hi-Fi Stereo Cassette Deck (Feb 94, EP XV) {94-02/85}	130
97	A Versatile Receiver for Dxers (Jan 94, EP XV) {94-01/77}	40
98	Multistation Intercom (Nov 93, EP XIV) {93-11/114}	25

99	100W Power Amplifier (Oct 93, EP XIV) {93-10/102 & 103}	100
100	Automatic Porch Light-cum-Door Phone (Sept 93, EP XIV) {93-09/91}	45
101	Revolving Seconds Display (Sept 93, EP XIV) {93-09/82}	130
102	Auto Protection for Refrigerator (July 93, EP XIV) {93-07/107}	20
103	Touch Operated Digital Volume Control (June 93, EP XIV) {93-06/100}	55
104	Emergency Light (June 93, EP XIV) {93-06/97}	30
105	Add on Devices for Multimeters (April 93) {93-04/109}	25
106	Cordless Remote Control Set (March 93, EP XIV) {93-03/98a & b}	35
107	The New Generation Stethoscope (March 93, EP XIV) {93-03/93}	25
108	High-Power Stereo Integrated Amplifier (Feb 93, EP XIV) {93-02/94}	60
109	Walkman Radio Player (Jan 93, EP XIV) {93-01/48}	10
110	LED speedometer (Jan 93, EP XIV) {93-01/46}	20
111	Digital Car Lock with Alarm (Nov 92, EP XIII) {92-11/105}	20
112	Universal Timer, G. Epoxy (Oct 92, EP XIII) {92-10/74 & 75}	90
113	70/40 Watts Hi-fi Amplifier (Oct 92, EP XIII) {92-10/69}	60
114	CMOS Clock With Timer (Sept 92, EP XIII) {92-09/143}	70
115	Electronic No. shooting Game (Sept 92, EP XIII) {92-09/135 & 136}	100
116	CMOS Pocket Table Time Keeper (Aug 92, EP XIII) {92-08/49}	25
117	Cook Timer (July 92, EP XIII) {92-07/90}	20
118	Digital Volume Control (July 92, EP XIII) {92-07/84}	65
119	8W+8W Stereo Amplifiers Module (Jan 92, EP XIII) {92-06/36}	30
120	Digital Frequency Counter (Apr 92, EP XIII) {92-04/40 & 42}	65
121	Digital Time Switch (Set) (Mar 92, EP XIII) {92-03/79 & 80}	100
122	2-Band Tuner for Double Cassette Recorder (Nov 91, EP XII) {91-11/104}	35
123	Microphone Amplifier for Double Cassette Recorder (Nov 91, EP XII) {91-11/103}	30
124	VHF Antenna Booster (Sep 91, EP XII) {91-09/97}	30
125	Composite Electronic Organ (July 91, EP XII) {91-07/97, 98}	130
126	Multirange Adjustable Timer (Feb 91, EP XII) {91-02/122}	35
127	30W+30W Stereo Hi+Fi Double Cassette Recorder Set (Feb 91, EP XII) {91-02/115 & 117}	125
128	Intercom with Handset (Jan 91, EP XII) {91-01/108}	20
129	10+10 Stereo Cassette Player (Dec 90, EP XI) {90-12/135}	40
130	80W Car Stereo (Sept 90, EP XI) {90-09/239}	60
131	UHF Receiver (June 90, EP XI) {90-06/67}	70

132	Ultrasonic Pest Repeller (Jan 90, EP XI) {90-01/119}	45
133	Automatic Emergency Light (Dec 89, EP X) {89-12/119}	30
134	10+10W Car Stereo Cassette Player (Mar 88, EP IX) {88-03/106}	25
135	(Set) Melodious Digital Timepiece (Mar 88, EP IX) {88-03/99 & 100}	85
136	LEDscope (Main Board)(Nov 87, EP VIII) {87-11/76}	100
137	LEDscope(Display Board)(G. Epoxy)(Nov 87, EP VIII) {87-11/75}	95
138	High Gain 4-Stage TV Booster (Oct 87, EP VIII) {87-10/84}	30
139	Wind Direction Indicator Display (Jul 87, EP VIII) {87-07/85}	20
140	Digital AC/DC Voltage-cum-Continuity Tester (Mar 87, EP VIII) {87-03/87}	15
141	Quiz Display's LED Display (Feb 87, EP VIII) {87-02/86}	40
142	Quiz Display's Main Circuit (Feb 87, EP VIII) {87-02/85}	50
143	Digital Tachometer-Using Sinclair Spectrum (Nov 86, EP VII) {86-11/77}	20
144	12-Tune Musical Door Bell (Sept 86, EP VII) {86-09/87}	10
145	Graphic Equaliser (b) Power Supply (Aug 86, EP VII){86-08/90}	40
146	Graphic Equaliser (a) Main Board (Aug 86, EP VII){86-08/89}	75
147	Stereo Control-cum-Preamplifier for 120+120W Amp(June 86, EP VII) {86-06/80}	70
148	VHF TV Booster, G.Epoxy (June 86, EP VII){86-06/71}	35
149	120+120W Stereo Power Amplifier (May 86, EP VII) {86-05/80}	110
150	Radio Cassette Recorder-II, Radio PCB (April 86, EP VII) {86-04/85}	50
151	Radio Cassette Recorder-I, Tape Recorder (April 86, EP VII) {86-04/83}	40
152	A Game of Steady Hands (March 86, EP VII) {86-03/76}	20
153	AC Voltage Regulator, PCB II(Feb 86, EP VII) {86-02/73}	40
154	AC Voltage Regulator, PCB I (Feb 86, EP VII) {86-02/72}	60
155	FM Signal Generator (Aug 85, EP VI) {85-08/74}	35
156	Hourly Chime for Digital Clock (May 85, EP VI) {85-05/70}	35
157	Stereo Tape Deck Module-2 (April 85, EP VI) {85-04/12}	40
158	Stereo Tape Deck (Module) (Jan 85, EP VI) {85-01/60}	40
159	Machine Gun Sound Simulator (Dec 84, EP V) {84-12/73}	30
160	Analogue Frequency Meter (Oct 84, EP V) {84-10/71}	20
161	20W+20W Stereo Amplifier (for one channel) (Oct 84, EP V) {84-10/64}	60
162	Musical Tune Generator (Mar 84, EP V) {84-03/71}	40

163	Utility Door Bell (Jan 84, EP V) {84-01/86}	20
164	Electronic Horn for Cars (Oct 82, EP III) {82-10/59}	20
165	Tele Visage (Oct 82, EP III) {82-10/54}	15
166	Stereo Control Module (Mar82, EP II) {82-03/23}	30

## PRICE LIST (PCB With Major Components)

S.No	Product	Current Price (Rs)
1	#95 Debarring Facility for Telephone {2002-10/47}	252
2	500W MOSFET Based Inverter {1998-12/63}	798
3	An 8085 Microprocessor Kit {1999-11/52}	2058
4	Automatic Car Parking {2003-04/55,56}	446
5	Automatic Lead Acid Battery Charger {1998-03/53}	211
6	Automatic Room Light Controller {2001-01/68}	346
7	Automatic Submersible Pump Cont. {2001-11/54}	115
8	Automatic Voltage Stabilizer {1997-01/90}	127
9	Bank Token No. Display {1997-10/64}	404
10	Bi-Directional Visitors Counter (2004-04/79)	301
11	Budget Digital Oscilloscope {1995-12/98}	489
12	Calling Number Identification Using Calculator {1999-03/46}	260
13	Car Security System with Remote Control {2003-01/53}	204
14	Controlling A-7 Display using PC Parallel Port (2003-12/57)	243
15	Device Switching Using Password {2004-06/59}	544
16	Digital Capacitance cum Frequency Meter {2001-08/47}	1290
17	Digital Clock with Hourly Music {2002-03/51}	417
18	Digital Clock with Seconds and Alarm Time Display {2003-06/53,54}	953
19	Digital Code Lock {2000-09/57}	808
20	Digital Dial Clock {98-04/53}	536
21	Digital Flow Meter {2002-04/54,56}	757
22	Digital IC Tester {1998-07/84}	825
23	Digital Input Output Card For PC {1999-01/57}	470
24	DTMF8 Channel Switching Powerline (2003-09/52,54)	531
25	Elec. Proof Water Level Solution {2000-03/55}	310

26	Electronic Telephone Demonstrator {1998-07/48}	429
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27	Electronic Voting Machine {2000-04/55}	1401
28	Electronics Bell Systems {2000-12/47}	1098
29	Fluid Level Cont. with Indicator {2001-08/57}	351
30	Home Security System {1996-06/76,77}	230
31	Infra Red Remote Control {1997-12/58}	158
32	Intelligent Emergency Light {2002-12/60}	220
33	Laser based communication link (2004-06/87)	368
34	Lift Overload Preventer (2004-03/94,96)	477
35	Medium Power Low Cost Inverter	280
36	Microcontroller Based Annunciator System {2002-12/52}	1076
37	Micro-controller Based Call Indicator (2004-01/71)	693
38	Micro-controller based home security system (2004-10/64)	1122
39	Microprocessor Controlled Thermometer ( 2003-08/84)	1432
40	Moving Message Display {1996-08/90}	971
41	Moving Message Display using 8085 {1997-05/54}	1804
42	Moving Message for LED Dot Matrix (2004-12/66)	534
43	Multiply Device Switching Using Parallel Port (2003-10/53)	605
44	Multichannel Remote Control System {2003-08/54}	349
45	PC Based 4 Axis Stepper Motor Controller {1998-11/52}	333
46	PC Based Data Logger (2004-02/82)	253
47	PC To PC Commu. {2000-11/48}	364
48	Programmable Digital Clock {95-05/79&80}	956
49	Remote Controlled Switch Board {1998-05/81}	449
50	Simple IC Tester {2000-08/56}	245

51	Switchless Musical Calling Bell System {1999-02/53}	268
52	Telephone Call Meter {1997-08/98}	368
53	Telephone Controlled Remote Switch {1998-10/57}	232
54	Telephone Line Interfaced G. Switching System {2001-05/56}	769
55	Telephone Record Ans. Machine {2000-12/56}	141
56	Temperature Measurement using Tr as Sensor {2003-05/62}	498
57	Traffic and Street Light Controller {2001-09/54}	482
58	Tutorial on 89C51 Development {2003-01/102}	2092
59	Versatile Digital Thermometer {1998-01/57}	568
60	Versatile FM stereo Receiver {1999-01/94}	254
61	Versatile Prog. Timer {2002-01/68}	395

## PRICE LIST (Electronic Project Kits )

Kits in ready stock (without cabinet) containing the circuits, PCBs and the components required for making the projects.

S.No	Products	Current Price (Rs)
1	<p>Remote controlled real time clock with device controller (April-2007)</p> <p>This circuit is based on ATMEGA16 microcontroller and DS1307 real time clock chip. A 16x2 LCD display is used for user interface to display time, date and various settings. A real time clock chip is set to control five different alarm settings. These settings can also be used to switch on/off eight external devices. This project uses a TV remote control with RC5 format.</p>	1500
2	<p>Water level controller cum motor protector (Feb-2007)</p> <p>This circuit uses an AT89C51 microcontroller as the main controller. It can be used to switch ON and OFF the motor depending upon the level of the water in the tank. The status is displayed on an LCD module. The circuit also protects the motor from high voltages, fluctuations of mains supply and dry running.</p>	1350
3	<p>Design your own infra red remote (March-2007)</p> <p>Most home electronic gadgets like TV sets, stereo systems, CD/DVD players/recorders, air conditioners, microwave ovens, multimedia computers, set-top boxes etc come with a remote control. Presented here is an infrared remote control based on RC5 format. It employs an SC30310 encoder. The remote is a line-of-sight system with a range of about 5 meters. This circuit can be used in Remotely Programmable RTC-Interfaced Microcontroller for Multiple Device Control and Remote Controlled Real Time Clock with Device Controller projects published in EFY Sept06 and April07, respectively</p>	150
4	<p>Remotely Programmable RTC- Interfaced Microcontroller for Multiple Device (Sept 2006)</p> <p>This project is based on AT89C52 Microcontroller and DS12887 Real-Time-Clock chips. It also includes an 82C55 Programmable Peripheral Interface chip to program the switching operation of 24 electrical appliances. A 16x2 LCD module is used as a user interface to display the time setting such as month, date, hour, minute, device number and on/off status of the device. Philips TV remote control based on RC-5 format is used to program the microcontroller and control the devices. Other main components used in the project include 74LS138, 74LS573, 7400, ULN2803 and TSOP1738.</p>	2150
5	<p>Microcontroller Based Automatic Flush System(Dec 06)</p> <p>Here is an automatic flush system(toilet &amp; urinal)that automatically flushes the fixture when the user departs.It employs an AT89C2051 micrcontroller and an infrared sensor to detect a user approaching the fixture,then waits until the user departs.It also flushes before the person departs if the person is present for more than the preset time(5 minutes).CD4050 is used as a buffer for the output ports of the micrcontroller,TSOP1738 is used as an IR sensor and a solenoid is used to actuate the flush from a 6V power supply with a battery back</p>	600

	up inside the unit.	
6	<p>Two Channel PC-Based Oscilloscope(Dec 2006)</p> <p>Presented here is an oscilloscope that accepts input up to 10 kHz with <math>\pm 16V</math> from input source and display the output waveform on your PC monitor. PIC18F2550 microcontroller chip from Microchip is used as the main controller. The oscilloscope is compact as there is no need of additional power supply for the entire circuit board. The circuit receives power from the PC through the USB cable. This controller chip along with MCP6S91, LF353 and L7660 ICs are used in the project. The project can be run in a PC with Windows 98SE or higher version operating system.</p>	1350
7	<p><b>**Remote Controlled Land Rover - A DIY Robotic Project (June 2006)</b></p> <p>The project integrates a number of circuits to achieve the working model of a Land rover vehicle. It can be remotely instructed to perform simple functions through appropriate push-button switch on the remote control like : move forward, backward, right and left directions. Provision is also made for its automatic stop on encountering a physical obstruction while moving in forward and reverse directions. It has the features to select either infrared (IR) or radio frequency (RF) mode of operation. Use of discrete logic ICs allows a complete understanding of the operational logic of Rover's working principles, using their truth tables.</p>	3000
8	<p>Microcontroller Based School Timer(July 2001)</p> <p>This versatile programmable school timer can be used to display real time clock as well as school bell timings on four 7-segment LED displays.It can store about 20 bell timings and activates the bell through a relay at every predetermined period.The main components of this circuit include MC68HC705J1A microcontroller,CD 4532 priority encoder,74LS138 decoder and 74LS47 display driver.</p>	1000
9	<p>AT89C2051 Based Count Down Timer(March 06)</p> <p>Here is a microcontroller based timer that performs countdown operation for upto 99 minutes with two 7-segment displays showing the actual time left. AT89C2051 chip is used in this circuit. The program can be easily modified according to users requirement. CD4511 and LTS543 are some of the ther main components used in this project.</p>	600
10	<p>Multi Melody Generator with Instrumental Effect (June 2006)</p> <p>This versatile melody generator is capable of generating various English and Hindi version melodies using UM3481A and WR630173 tone generator respectively. Instrumental effects can also be produced with the same circuit.The advantage of this circuit lies in its ability to select various modes of melodies through DIP switches, instrumental effetc,high volume and volume control provided in the circuit.</p>	160
11	<p>Hearing Aid (August 2006)</p> <p>This low-cost, electronic hearing aid employs a TDA 2822M(8 PIN-DIP package)audio amplifier IC.Transistor BC547 and associated components form the condensor microphone signal preamplifier.The audio power output of this unit is 10 to 15 MW.</p>	150
12	<p>Remote Control Digital Audio Processor (Feb2005)with remote in</p>	1500

	<p>NEC format This infrared (IR)remote controlled digital audio processor has four stereo input channels and one stereo output. The processors in this system control various functions of each channel and output them to your audio amplifier.</p>	
13	<p>3D Surround Sound System(May 2006)</p> <p>This is a novel project for hobbyist interested in 2-channel surround sound systems.An NJM2702D 3D surround audio processor is used here,which generates 3-dimension surround sound effect using two loud speakers only.</p>	550
14	<p>School /College Quiz Buzzer(MAY 2006)</p> <p>This audio-visualquiz buzzer circuit given here can be used for up to eight players.It use IC 74LS373 and a few passive components.</p>	500
15	<p>Speed Checker For HighWays(Dec 2005)</p> <p>With the two lasers installed at 100m apart on one side and corresponding LDRs on the other side of the highway,when the vehicle crosses the two laser beams,this circuit can check the speed of a vehicle through the readings on a 7-segment display unit. It also activates an audio alarm (piezo-buzzer)when the vehicle exceeds the permissible limit.</p>	550
16	<p>*Versatile Power Supply(Feb 2006)</p> <p>It is a DC regulated variable power supply that can deliver 3.3V up to 15V ,1Amp output using an adjustable regulator IC LM317.</p>	250
17	<p>Sensitive Vibration Detector( Nov 05)</p> <p>The Vibration detector (piezo element) in this circuit can be used to detect the vibration of the rolling shutter guard and alarm you when unauthorised person tries to open it. The load in the circuit can be an AC operated electric bell or bulb used as alarm device. The alarm can be stopped using a push-to-off switch given in the circuit.</p>	150
18	<p>Heat Sensitive Switch (Nov 05)</p> <p>This circuit can be used to switch on or off the load at a predetermined temperature. The temperature is set through the output of a temperature sensor IC or heat sensor and a voltage divider network. When the temperature reaches the preset value, the circuit energizes the relay and automatically turns on the load such as fan through the contacts of the relay.</p>	400
19	<p>Digital Dice (Oct 05)</p> <p>The digital electronic dice circuit acts like a normal dice and uses four different logic gate combination to bring out the six faces of the dice. Seven LEDs are suitably positioned on the board. When you place your finger on the touch plate, the LEDs will glow. The number of glowing LEDs corresponds to the number of the number of spots on the dice.</p>	100
20	<p>Inexpensive Car Protection unit (July 2005)</p> <p>Here is a circuit idea to protect your car, car stereo system, etc from pilferge. The protection unit comprises two 555 timer ICs(IC2 and IC3) IC2 act as inverter for the alarm circuit and IC3 is wired as monostable for battery take over indicator.</p>	200
21	<p>Smart Cellphone Holder(July 2005)</p> <p>This smart cellphone holder makes sure that you do not forget to</p>	200

	carry your mobile phone. If you have forgotten to carry your cellphone, the LED light fitted in the cell phone holder will stop flashing to indicate that the mobile phone is not in the holder.	
22	<p>Programmable Timer Based onb AT90SS4433 (June 2005)</p> <p>Here is a simple programmable timer based on (AT90S4433-AVR) which can be used in numerous industrial applications. Programmable timers are part and parcel of PLCs which control the switching on/off functions of the devices. This particular timer can be operated under two modes. Two separate software are provided. 1) Cyclic on-off functionality 2) Switch on functionality after a preset elapsed time. Note: You need 2 separate programmed ICS for two functions.</p>	1000
23	<p>Low Cost Energy Meter(May 2005)</p> <p>As the name suggests "Low cost energy meter" has been constructed with the help of IC ADE 7757. The output units are displayed in the seven segment display. This can count upto 9,99,999. The circuit is also provided with proper battery back-up such that even if the power fails the display will not be reset &amp; it goes on. Electro-mechanical electricity meters, which have some inherent shortcomings, are being replaced by DSP(digital signal processing)based chips employing very few external components. This meter can be configured for automatic meter reading (AMR),remotely.</p>	1000
24	<p>Remote Control for Home Appliances (April 2005)</p> <p>This handy circuit can be used to switch on and off any of your home appliances or any electrical device with a single press of your TV, VCD or DVD remote control. This low-cost circuit is based on 4017 counter IC which receives trigger pulse from IR sensor and switches on the relay through which electrical devices are switched on &amp; on receiving the 2nd pulse the device is switched off.</p>	200
25	<p>Digital Security System(March 2005)</p> <p>This circuit can help you from the intruders and strangers. Very thin copper wire loops has to be wired around your house and if any of the copper wire loops is broken, the display displays the particular number of the loop with buzzer sound. if more than one loops are broken it will display the sum of their loops. Number of IC used :- 2</p>	200
26	<p>PC Based Timer (Feb 2005)</p> <p>This circuit interfaced with PC computer through D-25 pin male connector, can switch on and switch off the device for a particular timing required by the user. The program is written in C languages &amp; compiled in Turbo C compiler. The maximum timing of the circuit is for 18 hours.Number of ICs used :- 1.</p>	170
27	<p>Manual EPROM Programmer (March 2005)</p> <p>This circuit can manually programs your EPROM (2716,2732) with the help of 8 way dip switches. Two 8 way dip switches are provided one for the address of the program and the other for the date of the program . This circuit is quite inexpensive and very useful to program your EPROM by yourself. Number of IC used:- 2 Nos.</p>	550
28	<p>Long Range Burglar Alarm using laser torch(Jan 2005)</p> <p>This Circuit operates at a frequency of 5 khz. If the transmitter &amp; receiver parts are properly aligned it can work upto a distance of even</p>	280

	30 meters When the objects cuts the transmitter and the receiver parts. No. of IC used:- 1	
29	Infrared Object Counter(Jan 2005) This circuit can be installed in public places to count the number of people or objects passing through the transmitter & receiver. The circuit operate at a frequency of 38 Khz . The count will be displayed through the calculators. Number of IC used:- 3.	250
30	Quality FM Transmitter (Aug 2005) The digital like sound quality that FM offers is the reason that many people prefer to have their own transmitting station in FM band. This quality FM transmitter can transmit chosen music in FM band. To receive its signals, any conventional FM radio receivers can be used. Without complicating the functionality, this circuit transmits the signals just by using discrete components. It provides an easy way to transmit less distorted, low noise music with in a range of about 200 meters. Number of ICs used: None.	180
31	Voice Recording and playback (Sept 04) This circuit enables to record a single message of upto 60 seconds duration or upto eight different messages of 7.5 sec duartion each. In playback mode the circuit plays recorded message either randomally or in sequential manner. It uses Voice Processor IC as main unit. Number of ICs used :- 2.	500
32	Temperature indicator using 89C52 (July 04) It is microcontroller based temperature temperature indicator that displays the temperature in the range of -55 degree celcius to 125 degree celcius. The Indicator output the calibrated date in digital form . It uses a temperature sensor Chip. Total No. of IC used - 3.	1250
33	Stepper motor control using micro-controller(Oct 04) This circuit is based on 89C51 microcontroller.It provides to control the rotation of a DC stepper motor in clockwise as well as anticlockwise direction. This module is simple and easy to construct and can be used in many application e.g. Machine control , Robotics.	1200
34	Power failure resumption alarm (Sept 2005) This circuit sounds an alarm whenever AC mains fails or resumes. It can be easily installed where you want to monitor the status of the mains supply. Number of IC used:- 3.	150
35	Hit Switch (Dec 2004) This versatile hit based switch is electronic equivalent of a switch. This circuit serves as an on/ off control for incorporation in a wide variety of electronic design.The circuit uses a Piezo electric diaphragm. Total No. of IC used - 1	75
36	Electronic Watch Dog (Nov 2004) This circuit produces an alarm sound when a person crosses the gate. The Circuit comprises of Transmitter & Receiver which are mounted face to face on opposite pillars of the gate in a manner so that when someone interupts between the two it gives an alarm. Total No. of IC used:- 3	200
37	Automated School Bell (Oct 04) The Circuit is useful for the Educational Institutes etc. This circuit	175

	provides an automatic alarm 8 times after an interval of 45 minutes each. and after 4 intervals provides lunch breaks for 30 minutes. Total No. of IC used :- 4.	
38	<p>PIC Burner:-The Programmer for PIC16X8X Micro-controllers (With Sample Project of Melody Generator): (Sept. 2002):</p> <p>This kit contains all the necessary items to build a programmer for PIC16X8X series of micro-controllers. PIC16F83, PIC16C84, PIC16F84 and PIC16F84A are some of the many micro-controller ICs from Microchip technology Inc. For demo purpose, one sample project “PIC16F84 Based Melody Generator” is also included here. The programmer and sample project details are explained separately. The programmer software, assembler and general details pertaining to PIC are included in CD. Number of ICs used: 4</p>	1000
39	<p>Electronic Guard For Blind (July 2002)</p> <p>Using this microcontroller based aid for visually impaired persons, any obstruction in the path can be sensed easily. When obstruction is too near, the loudness level of sound coming through earphone gets increased. Thus the user holding the unit gets a rough idea of his distance from the object. The important feature of the circuit is its small size owing to use of less number of components. After little modifications, the same circuit can be used in robotic toys or in object counters. Number of ICs used: 1</p>	275
40	<p>8 – bit Code Lock for Appliances (July 2004)</p> <p>This electronic lock is useful in numerous applications where access to an article/gadget is restricted to limited number of persons. One unique feature of this circuit is that code can be easily changed here without any need of changing the wiring or connections, as is the case with other electronic locks. The circuit provides re-programming of the code just by changing the switch positions</p>	250
41	<p>*Zener Diode Tester (April 04)</p> <p>Many a times the terminal and voltage markings are not specified on zener diode by manufacturer. Or, it may happen that these markings are not visible in old or used components. This kit provides a way to test and check zener diodes of 3.3V to 18V rating. After proper calibration of the circuit, it indicates the breakdown voltage of connected zener using Red LED as indicator. Number of ICs used: None</p>	125
42	<p>*Variable Power Supply with Digital Control (April 04)</p> <p>A regulated power supply is one of the most important and essential requirements in electronic lab. The available power supply must provide variable outputs in steps. This kit gives variable and fluctuation-free DC voltage as output in the range of 1.5V to 12V. It also provides proper display using LEDs as indicators and outputs here are easy to select. Number of ICs used: 4</p>	250
43	<p>PC based Oscilloscope (Dec 02)</p> <p>This kit conditions different signals of frequency below 1KHz and displays their waveforms on the PC’s screen. The hardware converts input waveform to digital format for interfacing to the PC. The software written in ‘C’ language acquires data into PC and displays it on screen. The program provides facility to alter the display and timing settings so that input waveform is correctly reproduced. The</p>	525

	circuit is for educational purpose only. Number of ICs used: 8	
44	<p>PC based 89C51 Programmer with Monitoring System (Feb 03)</p> <p>This kit contains all the necessary items to build a programmer for AT89C51 micro-controller along with one sample project. The programmer directly interfaces with PC parallel port. Included CD contains assembler, programmer software and 89C51 details. The sample project of monitoring system can be used for promptly calling room service or assisting staff in establishment like hotels, small offices, clinics etc. It provides audio-visual identification of calling point. This kit thus acts as an easy interactive tool to start working on microcontrollers. Number of ICs used: 6</p>	1400
45	<p>Anti- Bag Snatching Alarm (Feb 04)</p> <p>Incidents of bag snatching are increasing nowadays. Many a times the snatcher can be caught easily if a loud alarm is raised. The kit uses plug and socket arrangement to raise the alarm whenever any snatching attempt is made. Thus, while travelling, this kit entitles the person to carry cash or valuables without fear. Using the hidden key, only owner can turn OFF the alarm. Number of ICs used: 3</p>	220
46	<p>Touch Dimmer( Dec 2003)</p> <p>This is versatile three-step touch dimmer for varying the lamp intensity according to brightness required in the room. The circuit increases lamp intensity in steps, from off to low, medium, high and again off. The lamp stages are advanced sequentially by simply touching the touch plate connected to touch wire. At power-on condition, lamp is in OFF condition. Number of ICs used:1.</p>	110
47	<p>Intruder Alarm (Jan 2004)</p> <p>This circuit automatically activates a loud alarm whenever any unauthorized entry is attempted. To reset the circuit, there is no need to replace the broken wire or to turn OFF the unit, as is the case with other security alarms. The alarm can be turned OFF just by a simple flick of a switch. The unit power on indication by LED is also provided here for better monitoring. Number of ICs used: 2</p>	140
48	<p>*Automatic Night Lamp Dimmer with morning alarm (Jan 2004)</p> <p>This circuit serves dual purpose, depending upon intensity of light rays detected. One part of the circuit automatically detects darkness to switch 'ON' a white bright LED which acts as night lamp. Its another part senses daylight to switch on a melodious music in the morning. No external DC power supply is required, as the circuit operates off AC power supply line. But, provision for battery backup is provided to power the circuit in case of mains failure. Number of ICs used: 3</p>	150
49	<p>*MOSFET Based Pre-Amplifier for FM Radio DXing (Nov.2003)</p> <p>Frequency Modulated (FM) transmission can be received within a range of about 40 Kms. To receive your favourite FM radio station beyond this range, the only option left is to connect an external pre-amplifier at the receiver end. This circuit acts as FM booster attached to your present FM radio receiver and enables one to receive FM in fringe areas. Number of ICs used: None</p>	220
50	<p>Remote Operated Musical Bell (Oct 2003)</p> <p>It uses any TV remote control to operate a 12-tone musical bell. This</p>	200

	<p>Infra-Red (IR) receiver unit is capable of responding to IR rays transmitted from any TV, VCR, VCD or CD player remote. When any of the buttons on the remote is pressed, the receiver detects it as pulse through its own IR sensor and plays one musical tone. The approximate range of the circuit is 10 meters. Number of ICs used: 2</p>	
51	<p>IR Remote Switch(March2002) ON/OFF switching operation of a remote appliance can be done using this remote control. The circuit uses any TV, VCR, VCD or CD player remote as transmitter. Indication of different output stages is provided by LEDs. This helps in better understanding and easy troubleshooting. The approximate range of the circuit is about 10 meters.Number of ICs used: 3</p>	150
52	<p>*6-in-1 Gift Box A complete Solution Gift :- It contains 5 electronic Project Kits and a soldering Kit to make them.Gift Box have one each of the following kits (A) Fire Alarm, (B) Water Level Indicator (C) Burglar Alarm (D) Match Box Size Radio (with cabinet) (E) Musical Door Bell (with memory) (F) Soldering Kit.</p>	490
53	<p>Lead Acid Battery Charger cum Voltage Analyser (March 03) Continuous monitoring of battery conditions even for maintenance free lead acid batteries is necessary, because poor state of battery reduces its life, capacity and recharging ability. This circuit indicates the overcharge, low charge, normal and no charge battery conditions using LEDs and buzzer. Circuit is also capable of fully charging a 12V battery within 6-8 hours.Number of ICs used: 1</p>	350
54	<p>Digi Teacher (EP Vol 9) Now a days, the digital electronic techniques are employed to number of electronic devices and are applicable in diverse fields such as automobiles, electrical appliances, instrumentation and control equipments. Acting as Truth Table evaluator cum electronic learner circuit, this kit gives hands on practice for learning and understanding digital design basics. It displays the output using LEDs. Number of ICs used: 3.</p>	150
55	<p>Touch Sensitive Switch (EP Vol 11) Sometimes one may want to switch a lamp just by touching it. This circuit provides a very simple and reliable way to do just that. The connected appliance will be turned ON by a slight touch of finger at the sensor. Another touch at the OFF sensor will turn it OFF. This can also be used as a hidden switch or electronic lock by concealing the touch sensors. Number of ICs used: None.</p>	110
56	<p>Three Octave Organ (EP Vol 4) Organ is a musical keyboard instrument that produces a wide range of sounds at different volumes. This circuit resembles the working of organ by electronically producing 12 musical notes. This electronic organ is designed to produce notes in high, medium and low octaves. Selection of different octaves is done by switches S1 and S2. Number of ICs used: 1.</p>	130
57	<p>Electronic Auto Dipper (EP.6) While driving at night, the high beam of head light lamp of vehicle</p>	150

	<p>approaching from opposite direction causes the problem of glare for both the drivers. This circuit solves the problem by making the dipper action automatic. As soon as it senses the light rays coming from opposite direction it automatically turns lamps from High to Low intensity. Number of ICs used: None.</p>	
58	<p>Parallel Telephone Ringer (June 2002) Due to high volume of your hi-fi audio/video systems or any other reason sometimes telephone ringing in other room is not heard. In addition to provide indication that your telephone is ringing in other room this telephone extension ringer avoids overhearing of conversation by an undesired person at other end. Number of ICs used: 1.</p>	100
59	<p>Musical Hold On for Telephone (EP Vol 18) Using this add-on external circuit attached to your telephone a melodious music is generated on telephone line. During the entire hold-on interval, person on other end enjoys a pleasant music. To resume talking when you are back, just flick the switch to OFF position. A Red LED included in the circuit indicates that phone line is on-hold and it automatically turns OFF when music stops. Number of ICs used: 1.</p>	70
60	<p>Musical Door Bell (with memory) EP Vol 16. This Doorbell produces a pleasant musical tune. The bell rings only for time period that you have set. A single melodious tune is heard whenever a push-to-on switch is pressed. The preset time can be varied easily. Number of ICs used: 1.</p>	80
61	<p>Sound Scanner, (May 2003) This circuit detects all sound vibration and converts them into audible beeps. This circuit can be used as sound based intruder alarm. To monitor sit-outs, car porches, locker room etc, install this kit at appropriate place with beeper kept at another location where indication is desired.</p>	105
62	<p>IR Remote Control Timer (May 2003) The circuit uses IR transmission for remotely controlling ON/OFF operation of upto two electrical/electronics appliances. Pressing push-to-on switch from a distant transmitter, normally OFF appliance is turned ON and another normally OFF appliance is turned ON for some specific time period. This time period can be varied in the range of 0.11 to 110 seconds for given set of components and range of remote is about 3 meters.</p>	260
63	<p>Multiswitch Doorbell with Indicators (April 2003) In a home with too many doors it becomes difficult to ascertain as to which door a visitor is standing just by hearing doorbell. Using a monitoring panel with indicators, this circuit is capable of solving this particular problem by indicating the door number. In addition to that, buzzer also is activated each time any switch is pressed. With upto four switches available, it can monitor four different doors.</p>	210
64	<p>Anti-theft Alarm for vehicles(April 2003) This security system for vehicle generates a loud and continuous alarm in case of any unauthorised person getting access of your vehicle. As soon as, auto-lifter tries to start, the vehicle alarm gets</p>	280

	activated leaving no option for him other than to leave the vehicle intact and run away. Only owner will be able to turn OFF and reset the alarm	
65	<p>*Clap Based Switch for Devices(March 2003)</p> <p>It switches ON the lights, fans, motors sequentially just by clapping in the vicinity of the microphone used in the circuit. First clap switches ON first LED and subsequent claps ensure shifting of output to next level with automatic Reset on fourth clap. At the maximum, ON/OFF switching operation of four appliances is possible but the sequence can be altered easily in desired fashion. Number of ICs used: 6.</p>	250
66	<p>Wireless TV Headphone (March 2003)</p> <p>As most of TVs nowadays come equipped with audio in/out and video in/out RCA sockets. Connect audio output (headphone socket) of your TV to this circuit to transmit the sound of TV as FM signals. Using a portable FM receiver with headphone, watch your favorite TV program without disturbing others. Number of ICs used: None.</p>	110
67	<p>*Automatic Porch Light with Melody (Dec. 2002)</p> <p>While you park your vehicle in the garage, this porch light automatically switches on for a specific duration. A melodious sound can also be heard at the same time. Time duration can be easily varied using a preset. Number of ICs used: 2.</p>	170
68	<p>Knock Alarm (Nov 2002)</p> <p>This circuit converts knock on door, car's dashboard, drawer, etc into a loud alarm using a loudspeaker. It can also be used to warn you of any unauthorised entry during night time, if installed at your doorstep. Number of ICs used: 1.</p>	100
69	<p>Teleremote- Control (EP.20)</p> <p>This tele remote overcomes the range barrier of infrared remotes. Control is provided through the dial keypad of a remote telephone and switching on/off operation of up to ten appliances is possible. (This circuit is meant to control only four devices.) Number of ICs used: 8</p>	500
70	<p>Portable Ozone Generator (June 2000)</p> <p>This handy unit to be plugged into mains to get ozonated air at suitable pressure, flowing out from the tube. Ozone gas is now-a-days used for treatment of drinking water, dis-infection and air purification. Number of ICs used: 2.</p>	1600
71	<p>Heart Beat Monitor (Oct 2001)</p> <p>Listen to your heartbeats with this simple, easy-to-configure circuit. It uses a piezoelectric plate as the sensing device and the loudspeaker reproduces heartbeat noted as audible sound. Number of ICs used: None.</p>	190
72	<p>Power Supply Failure Alarm (July 2001)</p> <p>This circuit indicates power supply failure by sounding a buzzer. No external DC supply is required and power-on condition is indicated by an LED. Time duration can be varied with little modifications. Number of ICs used: None.</p>	180
73	<p>Luggage Security Systems (May 2000)</p>	175

	This circuit gives an alarm sound when someone tries to cut the luggage chain. Different sound effects are possible after doing simple connections. Number of ICs used: 1.	
74	*Mobile Phone Battery Charger (Jan. 2002) Charge your mobile's battery (of 7.2V rating) from mains supply or even external DC supply such as a vehicle's battery. LEDs indicate power-on, external DC, and charging status. Number of ICs used: 1.	100
75	Multitester with Audio-Visual Indicator (Feb. 2002) Test the condition of electronic components like resistors, capacitors, diodes, photodiodes, and transistors by both visual and audio indication. The tester is also useful for checking continuity between two points. Number of ICs used: None.	70
76	Fastest Finger First Indicator (Dec. 2001) Useful in quiz and game shows, this device indicates the fastest player's designation number along with alarm sound, locking other contestant buttons. Number of ICs used: 7.	300
77	Smoke Alarm (Dec. 2001) This smoke detector employs a photo interrupter module that activates an audio alarm via a loudspeaker. The sensitivity can be easily adjusted by varying the preset. Number of ICs used: 1.	140
78	Musical touch Bell(March 2001) This musical bell operates just by the touch of your fingertip, obviating the need for a mechanical switch. Useful in homes and offices, it can operate off a single pencil cell. Number of ICs used: 1.	70
79	*Two-door Door Bell (June 2000) This doorbell gives two different tones: one of a lower frequency and the other of a much higher frequency. Separate switches can be mounted at two separate doors at the same floor level. Number of ICs used: 2.	170
80	Low-cost Transistorised Intercom (Oct. 99) Voice at one end is amplified and listened at the other end through a loudspeaker as a one-way intercom. A two-way intercom can be similarly assembled using two such kits. Number of ICs used: None.	150
81	Power Failure Indicator (E.P. Vol 16) The power supply failure and blown fuse condition both are indicated by sounding an alarm using a loudspeaker. Number of ICs used: 1.	140
82	Timer for Students (Oct. 99) This timer gives alarm after a preset time period and a few beeps at half the selected time. The timer could be programmed for other time periods as well. Number of ICs used: 2.	200
83	Powerful Pest Repeller (June 2000) The high-frequency signal generated by a transformer is useful as pest-repeller. The intensity can be easily varied by tuning the preset. Number of ICs used: 2.	200
84	Blown Fuse Indicator (Sept. 2000) Green LED glows in normal condition, while a blown fuse is indicated by a red LED as well as an audio alarm. Number of ICs used: 1.	75

85	Water level Controller-cum-Motor Protector kit (Aug. 99) This device provides switching on/off of the pump motor. Automatic switching off of the motor when overhead tank is full. It has low- and high-voltage cut-off control. Number of ICs used: 1.	180
86	Inverter Overload Protector with delayed Auto Reset (July 2000) Overload can damage an inverter. This kit acts as a protector-cum-indicator and also resets the inverter after specific time delay. In the case of three successive overload conditions, it automatically shuts down the inverter. Number of ICs: 5.	220
87	Simple Code Lock (Jan. 2000) This electronic code lock responds only to the right sequence of four digits out of nine keys available on the keypad. Number of ICs used: 2.	190
88	Smart-Fluid Level Indicator (Jan. 2000) This 7-segment display displays fluid level in meaningful English letters as E for Empty, L for Low, H for Half, A for Above Average, and F for Full. Number of ICs: 2.	185
89	Long-Range FM Transmitter (Dec. 99) The high-power output obtained using a power amplifier stage allows a range of about 2 km for this FM transmitter. Reasonable good signal quality and strength are possible with little adjustments. Number of ICs used: None.	200
90	Water Level Controller (E.P. Vol 9) This circuit provides switching control of pump motor and pumps water from ground-level tank to overhead tank when the tank is completely empty. To monitor the status, each tank is provided with three probes. Number of ICs used: 2.	225
91	Telephone Call Recorder (July 95) This telephone message recorder records all the conversations on tape-recorder. In case nobody attends the call, it records the incoming ring signal only. Number of ICs used: 1.	95
92	Magic Eye (Jan. 96) This magic eye fitted on the bottom of door entrance obviates the need for a call bell. It can also be used as an automatic guest indicator at homes or as a burglar alarm in banks. Number of ICs used: 1.	85
93	Condenser MIC Amplifier (E.P. Vol 7) Mic sound amplification with both fixed and variable outputs can be obtained using this kit. The two-stage amplifier is capable of providing sufficient gain to pick up even the slightest whisper. Number of ICs used: None.	80
94	*Emergency Light Using CFL (Except Cabinet, Connector & Tube Light)(Nov. 97) This circuit provides automatic switch-on of compact fluorescent lamp (CFL) when AC mains supply goes off. Charging mode is switched back when the supply is resumed. Number of ICs used: None.	250
95	Burglar Alarm (E.P. Vol 3) This circuit sounds a loud alarm in the case of an unauthorised entry. Wire loop gets broken whenever such an attempt is made. Number of	60

	ICs used: None	
96	Water level Indicator (Feb. 97) This simple and easy-to-install circuit gives both visual and aural indication when the water tank is full. You need to fit the probes at the desired water level in water tank. Number of ICs used: None.	85
97	Cordless FM MIC (May 96) with cabinet The voice at condenser microphone can be listened through a standard FM receiver using this circuit. The range of this FM transmitter can be easily enhanced with little modifications. Number of ICs used: None.	130
98	Pocket FM Receiver excluding Cabinet (sept. 95) This versatile FM receiver can receive all FM stations over the entire broadcast range of 88-108 MHz. Number of ICs used: 2	250
99	Bi-colour LED Disco Runing Light (Dec. 88) This bicolour LED chaser circuit produces sequence of red and green lights. The frequency can be easily varied by adjusting the preset. Number of ICs used: 2.	105
100	Fire Alarm (Jan. 93) This fire alarm uses a DR25 diode as sensor to sense fire and activate a loud alarm. Number of ICs used: 1.	70
101	Sound Operated Timer (May 89) This electronic switch gets activated by the sound of a clap. It can be used in a sound-operated motor driven toy car or any other gadget. Number of ICs used: 1.	75
101	Sound Operated Timer (May 89) This electronic switch gets activated by the sound of a clap. It can be used in a sound-operated motor driven toy car or any other gadget. Number of ICs used: 1.	75

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**Please add:**

1. Rs 40/- for packaging and despatch by registered post anywhere in India.
2. 4% tax for within as well as outside Delhi.

**Kindly note:**

1. These prices are effective from 1st October 2007 but can be changed without any notice.
2. Goods once sold will not be taken back. Dispute, if any, will be settled in a New Delhi court only