



Embedded Solution's

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EMBEDDED SYSTEM Mini PROJECT LIST-2013

S.No	Project Titles
1	AUTOMATIC ROOM LIGHT CONTROLLERS WITH VISITORS COUNTER
2	GSM BASED BUILDING AUTOMATION.
3	EMBEDDED SECURITY SYSTEM (KEY PAD AND LCD DISPLAY)
4	HOME / OFFICE SECURITY SYSTEM.
5	I2C PROTOCOL BASED REAL TIME CLOCK CONTROL APPLICATION.
6	TOUCHSCREEN BASED ROBOCONTROL
7	ELECTRONIC EYE WITH SECURITY SYSTEM.
8	TOUCHSCREEN BASED HOME AUTOMATION
9	TEMPERATURE MONITORING AND CONTROL
10	VISITOR COUNTER CUM DISPLAY SYSTEM USING IR WITH 7 SEGMENTS
11	TIME AND ATTENDANCE SYSTEM USING RFID
12	SUPER INTELLIGENT ROBOT USING SMOKE SENSORS AND LIGHT DEPENDENT RESISTOR.
13	ELECTRONIC VOTING MACHINE.
14	RFID BASED GUIDE FOR TOURISTS
15	SECURED WIRELESS DATA COMMUNICATION (AT89S52)
16	SMS BASED AUTOMATED ROOM SYSTEM.
17	SOLAR TRACKING SYSTEM
18	SPEED CONTROL OF DC MOTOR USING PWM USING AVR
19	ROBOT WITH CAMERA INTERFACE WHICH CAN BE USED AS A SPY-BOT.

EMBEDDED SYSTEM Mini PROJECT LIST-2013

S.No	Project Titles
20	MICROCONTROLLER BASED INTELLIGENT COLLEGE BELL.
21	MICROCONTROLLER BASED INTELLIGENT TRAFFIC LIGHT SYSTEM.
22	MONITOR AND CONTROL OF GREENHOUSE ENVIRONMENT-GREENBEE
23	LIGHT BRIGHTNESS CONTROL DEPENDS UPON SUNLIGHT INTENSITY
24	LINE FOLLOWER ROBOT.
25	IR BASED OBSTACLE AVOIDANCE SYSTEM
26	FIRE MONITOR USING MICROCONTROLLER
27	FRIENDLY HOME AUTOMATION SYSTEM USING CELLPHONE.
28	EMBEDDED PASSWORD BASED SECURITY DOOR LOCK SYSTEM USING 89S52.
29	ELECTRONIC HOUSE – A WELL EQUIPPED MODERN HOUSE.
30	DTMF BASED DOOR SECURITY SYSTEM.
31	INTERFACING MICROCHIP SERIAL EEPROMS TO THE INTEL 8051 FAMILY OF MICROCONTROLLERS
32	ELECTRONIC AUTOMATED SCHOOL BELL.
33	E-HOME AUTOMATION.
34	CELLPHONE-BASED DEVICE CONTROL
35	DC MOTOR SPEED CONTROL USING PWM TECHNIQUE.
36	CENTRALIZED WIRELESS MONITORING IN TEXTILE INDUSTRIES
37	DESIGNING OF ELECTRONIC CIRCUIT FOR STRONG ROOM SURVEILLANCE.
38	DIGITAL CODE LOCK WITH VOICE OUTPUT

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S.No	Project Titles
39	AUTOMATIC ADVANCED RAILWAY GATE CONTROL SYSTEM.
40	ROBOT DIRECTION CONTROLLING USING RF COMMUNICATION.
41	DEVELOPMENT OF EMBEDDED SYSTEM FOR ENERGY SAVING OF STREET LIGHT
42	AUTOMATIC FIRE DETECTOR
43	DISTRIBUTED CONTROL SYSTEM
44	DIGITAL ELECTROIC COMBINATION LOCK, MICRO CONTROLLER WITH KEYPAD
45	LIGHT INTENSITY CONTROL USING PULSE WIDTH MODULATION USING AVR
46	IMPLEMENTATION OF MOBILE BASED HI-TECH DOOR LOCKING SYSTEM.
47	INDUSTRIAL DATA LOGGER
48	INDUSTRIAL AUTOMATION SYSTEM USING RF
49	INFRARED REMOTE SWITCH (6 DEVICES + 1 FAN) -AT89S52
50	INDUSTRIAL PROTECTION SYSTEM USING SMOKE SENSOR
51	INTERFACING 4X4 MATRIX KEY PAD TO MICRO CONTROLLER
52	IR REMOTE STEPPER MOTOR CONTROLLER.
53	MICROCONTROLLER BASED SCIENTIFIC CALCULATOR
54	MODERN HOUSE AUTOMATION (AC/DC) USING IR COMMUNICATION
55	NOISE AND VIBRATION DETECTORS
56	MICROCONTROLLER BASED DIGITAL CLOCK WITH ALARM
57	TIME OPERATED ELECTRICAL APPLIANCE CONTROLLING SYSTEM.

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EMBEDDED SYSTEM Mini PROJECT LIST-2013

S.No	Project Titles
58	PLAY WITH ROBOTIC EYE(IR SENSOR).
59	REMOTE CONTROLLED DIGITAL CLOCK WITH DS1307 & AT89C2051
60	RFID BASED TOLL COLLECTION SYSTEM
61	SMS BASED WEATHER REPORT SYSTEM
62	SPEED CONTROL OF MOTOR THROUGH CELLPHONE
63	TRAFFIC LIGHT CONTROLLER
64	WIRED ROBOT
65	WIRELESS WATER-LEVEL INDICATOR
66	SOIL MOISTURE CONTROLLER
67	WIRELESS EQUIPMENT CONTROL USING AT89S52
68	RTC BASED ODDING LIGHTINGS.
69	SPEED CONTROLLER FOR AC AND DC MOTORS
70	PWM BASED LIGHT INTENSITY CONTROL SYTEM
71	RFID BASED ATTENDANCE SYSTEM (AT89S52 + RFID)
72	SMS TRANSMITTING USING RF MODULES.
73	STEPPER MOTOR DIRECTION CONTROLLING.
74	WIRELESS HOME SECURITY SYSTEM
75	TEMPERATURE & LIGHT MONITORING
76	SPDT RELAY WITH UNDER/OVER VOLTAGE PROTECTION

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S.No	Project Titles
77	ULTRASONIC DISTANCE MEASUREMENT SYSTEM
78	WIRELESS DIGITAL CODE LOCK WITH A STATUS DISPLAY
79	SMS BASED DEVICE SWITCHING
80	RF BASED REMOTE CONTROL
81	IR BASED APPLIANCE CONTROL SYSTEM
82	INTERFACING OF GRAPHIC LCD MODULE TO AT89S52
83	HEART BEAT MONITORING.
84	CELLPHONE OPERATED ROBOT
85	AUTOMATIC STREET LIGHT ON-OFF CONTROLLER
86	IMPLEMENTATION OF COLOUR SENSOR
87	OBSTACLE DETECTOR ROBOT.
88	INDUSTRIAL PROTECTION SYSTEM USING LIGHT DEPENDENT RESISTOR
89	INTERFACING OF REAL TIME CLOCK DS1307
90	OVER-HEATING INDICATOR FOR WATER PIPE
91	WATER PUMP CONTROLLER
92	TEMPERATURE DEPENDENT DC FAN SPEED CONTROL USING LM35
93	SIMPLE DIGITAL VOLTMETER USING 8051
94	ROBOT CONTROL USING DIFFERENT COLOURS OF LIGHT
95	PASSWORD BASED DOOR LOCKING (AT89C2051)

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S.No	Project Titles
95	INTRODUCTION OF DATA ACQUISITION AND CONTROL
96	ANTI BAG SNATCHING ALARM
97	AUTOMATIC CAR PARKING LIGHT.
98	DESIGN OF A DIGITAL VOLTMETER
99	DTMF CONTROLLED MOTOR
100	GSM BASED INDUSTRIAL AUTOMATION
101	INDUSTRIAL CONTROL USING CELLPHONE
102	INTELLIGENT ELETRONIC VOTING MACHINE
103	INTERFACING IBM KEY BOARD TO MICRO CONTROLLER
104	ELECTRONIC CIRCUIT BREAKER
105	DIGITAL SOIL MOISTURE TESTER
106	BIOMEDICAL HEART BEAT MONITOR WITH MICROCONTROLLER 8051
107	HOME AUTOMATION (AC/DC) USING PC INTERFACE
108	FIELD IDENTIFICATION SYSTEM
109	DATA LOGGER WITH GRAPHICS DISPLAY
110	SMS BASED WEATHER REPORTING
111	A LIVE HUMAN BEING DETECTOR IN WAR FIELDS
112	BANK LOCKER SECURITY SYSTEM.
113	DIGITAL THERMOMETER WITH LCD DISPLAY

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S.No	Project Titles
114	INTELLIGENT HIGH POWER LED STREET LIGHT CONTROL SYSTEM.
115	AUTOMATIC PLANT IRRIGATION (AT89C2051)
116	CHANNEL DATA ACQUISITION SYSTEM.
117	ACCIDENT IDENTIFICATION SYSTEM
118	CLOSED LOOP MOTOR SPEED CONTROLLER USING CELL PHONE
119	DIGITAL TACHOMETER.
120	ENVIRONMENTAL MONITORING
121	IMPLEMENTING CALCULATOR WITH MICROCONTROLLER 8051
122	MULTIPATTERN RUNNING LIGHTS (AT89C2051)
123	REMOTE CONTROL HOME AUTOMATION (USING RC5 PHILIPS TV REMOTE).
124	SECURED DATA ACQUISITION SYSTEM
125	SHOPPING MALLS SECURITY & POWER MANAGEMENT SYSTEM USING IR'S
126	VIBRATION SENSING SYSTEM
127	RF-ID BASED AUTOMATIC CEHICLE PARKING SYSTEM.
128	MOBILE OR LANDLINE TELEPHONE BASED INDUSTRIAL PROTECTION.
129	INDUSTRIAL PROTECTION SYSTEM USING TEMPERATURE
130	DTMF BASED INDUSTRIAL AUTOMATION SYSTEM.
131	DEVELOPMENT OF PC BASED PWM FOR DC MOTOR SPEED CONTROL
132	FIRE FIGHTING ROBOT (AT89S52)

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S.No	Project Titles
133	MOVING MESSAGE DISPLAY ON16X2 LCD DISPLAY SCREEN.
134	PERIODICALLY ON-OFF MOSQUITO REPELLENT
135	ROBOT CONTROL USING TV REMOTE.
136	TEMPERATURE MONITORING AND RECORDING DEVICE
137	VEHICLE INSIDE AND OUTSIDE TEMPERATURE MONITORING SYSTEM.
138	SINGLE TOUCH ELECTRONIC WATER TAP DESIGN.
139	RFID BASED SMARTCARD SECURITY SYSTEM.
140	INDUSTRIAL CONVEYER BELT OBJECT COUNTING SYSTEM.
141	FLASHER FOR DEEPAWALI.
142	DTMF BASED HOME AUTOMATION SYSTEM.
143	CAR AUTOMATION AND CHILD LOCK.
144	DESIGN AND IMPLEMENTATION OF OBJECT COUNTER FOR INDUSTRIAL AUTOMATION
145	INTERFACE OF MOBILE PHONE WITH MICRO-CONTROLLER
146	INDUSTRIAL PROTECTION SYSTEM USING FIRE SENSOR.
147	PC BASED HOME AUTOMATION
148	ANTI THEFT SECURITY FOR PC
149	8051/AVR GENERAL PURPOSE PROJECT BOARD
150	ANTI THEFT SYSTEM FOR ELECTRONIC GADGETS.

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S.No	Project Titles
151	DIGITAL UP/DOWN COUNTER (AT89S52)
152	DEVICE CONTROLLING THROUGH PC (VISUAL BASIC)
153	CAR PARKING MONITORING SYSTEM
154	AUDITORIUM CONTROLLING SYSTEM USING IR(PHILIPS TV REMOTE)
155	SECURE DIGITAL ACCESS SYSTEM USING RF-ID TAGS.
156	DIGITAL REALTIME CLOCK IMPLEMENTATION WITH MICROCONTROLLER AND LCD.
157	ELECTRONIC VOTING MACHINE USING LCD DISPLAY AND EPROM FOR MEMORY INTERFACE
158	GSM BASED HOME SECURITY SYSTEM
159	AUTOMATIC SHOPPING MALL VISITOR COUNTER.IR BASED COUNTER.
160	AUTOMATIC ROOM LIGHT CONTROLLER WITH VISITOR COUNTERS USING (IR SENSOR).
161	ELECTRONIC EYE WITH SECURITY SYSTEM.
162	AUTOMATIC STREET POWER SAVING SYSTEM WITH LDR
163	TIME BASED POWER SAVING SYSTEM IN CORPORATE ROAD WAYS.
164	INTERFACING COLOR SENSOR WITH DIFFERENT WAVE LENGTHS TO MICROCONTROLLER
165	DTMF BASED ROBOT.

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S.No	Project Titles
166	INDUCTION MOTOR SPEED MONITORING & CONTROL USING PWM TECHNIQUE
167	MOBILE PHONE (DTMF) CONTROLLED ELECTRICAL DEVICE SWITCHING
168	REMOTE APPLIANCE CONTROL THROUGH SMS
169	SMOKE DETECTION USING MICROCONTROLLER
170	RF BASED MULTIPLE DEVICE CONTROL USING SINGLE REMOTE.
171	TEMPERATURE VOICE ANNOUNCEMENT SYSTEM
172	THIN AIR GLOVE (SMART CURSOR MOVEMENT)
173	SECURITY SYSTEM FOR MUSEUM
174	DESIGN OF INTELLIGENT COLOR IDENTIFICATION SENSOR CIRCUIT FOR EMULSION MIXING MACHINES
175	PC BASED DATA ACQUISITION SYSTEM
176	PROGRAMMABLE LED INDICATOR
177	DESIGNING A DIGITAL THERMOMETER BY USING A SELECTED TEMPERATURE SENSOR
178	INDUSTRIAL ADVANCED TEMPERATURE MONITORING AND CONTROL SYSTEM.
179	PROGRAMMABLE TIMER WITH PROGRAMMABLE ON/OFF DELAYS
180	ELEVATOR LIFT CONTROL FOR THREE STORIES WITH MICROCONTROLLER 8051
181	INTRODUCTION OF SERIAL PORT RS-232 AND PC SERIAL COMMUNICATION WITH MICRO-CONTROLLER AT89S51
182	SEASON BASED AUTOMATIC STREETLIGHTS SWITCHING

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S.No	Project Titles
183	AUTOMATIC COLLEGE BELL (AT89S8252 & DS1307) (TOTAL 8- BELLS).
184	TOUCHSCREEN BASED ROBOCONTROL
185	SPEED CONTROL OF DC MOTOR WITH PULSE WIDTH MODULATION USING RF MODULATION
186	PREPAID ENERGY METER (AT89S52)
187	PC BASED ROBOT (AT89C2051)
188	INDUSTRIAL PROTECTION SYSTEM USING TEMPERATURE, SMOKE SENSORS
189	MICROCONTROLLER BASED WATER LEVEL MONITORING AND CONTROL
190	MICROCONTROLLER BASED FIRE MONITORING SYSTEM IN PETROCHEMICAL INDUSTRIES
191	PIR BASED ENERGY CONSERVATION SYSTEM FOR CORPORATE OFFICES.
192	REMOTE CONTROL BASED AC LINE CONTROL USING PHILIPS TV REMOTE
193	TRAFFIC DENSITY ANALYZER CUM SIGNALING SYSTEM FOR METRO CITIES.
194	MODERN HOME AUTOMATION (AC/DC) USING SERIAL COMMUNICATION THROUGH PC
195	MOBILE PHONE (DTMF) CONTROLLED ELECTRICAL DEVICE SWITCHING
196	REAL-TIME INDUSTRIAL PROCESS CONTROL & MONITORING USING GSM
197	PC BASED SYNCHRONIZING AND SPEED CONTROLLING OF DC MOTOR
198	INFRARED REMOTE CONTROLLED HIGH VOLTAGE DEVICE SWITCHING WITH ELECTROMAGNETIC RELAY