

AGILE ENTERPRISES

Behind Green View Nursery, Chitta Mandir Road, Yamuna Nagar-135001

Call: 9813252627,9896111279

S.No.

PROJECT NAME

1 WIRELESS RF DC MOTOR SPEED CONTROL

The remote operation to control speed of fan or motor using single RF signal circuit with gear motor driver. Can be used as remote lamp dimmer.

2 MICROCONTROLLER PIC BASED FULL FUNCTION STEPPER MOTOR CONTROLLER

The project will operate the stepper motor in almost all modes viz. clock, anticlock, speed and frequency control with time duration for both directions.

3 PIC Microcontroller based Frequency Meter

Circuit will read the unknown frequency and display it on LCD 16x2

4 Microcontroller based AUTO STAIRCASE LIGHT

This will switch on the stairs light for the time till some crossed the other side of stairs. This timer based device is quite useful for dark prone areas with kids.

5 AUTOMATIC ROOM LIGHT CONTROLLER CUM ENERGY SAVER

It counts the number of persons entered in a hall and accordingly control the electrical device. Thus it is helpful for energy saving in room.

6 BLUE TOOTH OPERATED MOBILE CAR

This car will work with mobile blue tooth connectivity placed on vehicle. Instruction for left, right, back, stop can be send by any mobile (configured with blue tooth circuit).

7 BLUE TOOTH OPERATED DEVICE CONTROLLER

This remotely operated device controller will work with mobile blue tooth network.

8 DIGITAL HEARTBEAT COUNTER

This IR based heartbeat counter takes reading from fingure using sensitive amplifier.

9 FUNCTION GENERATOR USING IC-XR2206

The basic oscillator using discrete components gives all waves required in an electronic work bench.

10 HOME SECURITY SYSTEM

This system is a security device to be placed inside the house for protection against intruder. Infrared detectors will detect intruder entry at the door side area and blow the alarm.

11 INFRARED REMOTE SWITCH:

Any electrical appliance connected to this circuit can be switch on/off with this IR switch. It consist of two unit- one is IR transmitter and other is Ir reciever connected to relay and power supply ; 12v (DC); Relay Switching

12 INTELLIGENT WALKING STICK - FOR BLIND

This intelligent walking stick for blind will be all together a helpful device for blind person as it detect the obstacle in front of it using IR sensor and it be give audio signal in form of pre-recorded voices of bus number coming to bus stop.

13 MICROCONTROLLER PIC BASED AUTO SPEED CONTROLLED ROBOTIC VEHICLE

It is capable to change the speed of robot car / vehicle / train when it sense another vehicle at the front.

14 MICROCONTROLLER BASED VARIABLE SPEED JACK or VEHICLE TROLLEY

It is capable to change the speed of Jack or Vehicle trolley with up/dn keys.

15 MICROCONTROLLER PIC BASED AUTO SPEED DETECTOR

The two IR sensors will sense the vehicle speed and it will be displayed at LCD 16X2

16 MICROCONTROLLER BASED BI-DIRECTIONAL VISITOR COUNTER AS ENTRY/EXIT INDICATOR

It will check the entry and exit of persons using IR as sensing device and display the total at LCD 16X2

17 MICROCONTROLLER BASED IGBT CONTROLLED DC MOTOR DRIVE

The DC motor speed can be controlled and driven by IGBT in PWM mode from controller with nine different speed modes using up/down keys.

18 MICROCONTROLLER BASED INFRARED TRACKING ROBOT

The robot car with two stepper motors follow the master transmission area (IR) and follow the same.

19 MICROCONTROLLER BASED PERPAID ENERGY METER

The project will count down the reading on the LCD display in Rs as " Amount Balance". The two digit counter will act as Electric Meter count for units consumed. It will automatically cut off the load if no balance

20 MICROCONTROLLER BASED RFID SMART CARD FOR AUTO PARKING

The amount Rs.10/- every time will be debited out of prepaid deposited amount from smart card reader circuit whenever the person enter at parking lot.

21 MICROCONTROLLER BASED TEMPERATURE INDICATOR

It will read the real time temperature and display the same at seven segment. MCP9700 SERIES realtime temperature sensor will be used for this.

22 MICROCONTROLLER BASED INDUSTRIAL TIMER

The project is useful for industrial application as countdown timer for both Minutes and Seconds setting option. The seven segment display will show the remaining time left.

23 MICROCONTROLLER BASED DC MOTOR SPEED DIRECTION CONTROL WITH LCD MONITORING

The project will run a DC motor with options to change its speed & direction with the facility to view all functions on LCD display unit.

24 MICROCONTROLLER BASED TEXT EDITOR WITH MOVING DISPLAY

The project comprises 16 keys to edit any message in English. One can restore the message in memory IC. The 16 characters at a time can be view in running mode

25 MICROCONTROLLER BASED AUTO FISH FOOD FEEDER FOR AQARIUM

One can set a time to feed fishes using a mechanical arrangement to feed once a day

26 MICROCONTROLLER BASED AUTOMATIC DOOR OPENING SYSTEM USING INFRARED SENSORS

It will operate the motor of the Door when it find someone standing in front of it for few seconds and it ignores the person casually walking from its front

27 MICROCONTROLLER BASED AUTOMATIC IRRIGATION CUM PUMPIING SYSTEM

It will switch on the motor pump for IRRIGATION for a time duration whenever the soil is dryed to a certain extent

28 MICROCONTROLLER BASED AUTOMATIC STAIRS LIGHT CONTROL SYSTEM

It senses the person entered the stairs to switch on the light and automatically switch off after few seconds

29 MICROCONTROLLER BASED FLOW METER FOR LIQUID

The project reads the flow rate of water or any other liquid flowing through the sensing area using IR (infrared) technique. The project also comprises a motor speed controller circuit to change the flow rate of pump with variable control

30 MICROCONTROLLER BASED FOUR DIGIT CODE LOCK WITH LCD DISPLAY

One can lock the desired device with the help of this project. It will open with a selected four-digit code.

31 MICROCONTROLLER BASED SPEED MONITORING SYSTEM FOR MOTOR - TACHOMETER

The project reads the motor speed on any ac/dc motor at LCD display. The project also comprises a dc motor speed controller circuit to change the speed of motor with a variable control.

32 MICROCONTROLLER BASED ULTRASONIC DISTANCE METER

This will check and display the distance between device and object/wall etc. at LCD. You may call this as ULTRASONIC RADAR

33 MICROCONTROLLER BASED VEHICLE SPEEDOMETER CUM ODOMETER

The project comprises a dc motor speed controller circuit with reed sensor. It is being detected by this and display the same at LCD in form of speed Km./Hr. and also display the distance covered by the vehicle

34 MICROCONTROLLER BASED PULSE COUNTER USING PC

This serial port interfaced project will count the input pulses at PC as well as on LCD connected to it. The software will count the input pulses in four digit

35 MICROCONTROLLER BASED AUTO SPEED LIMITER/GOVERNER WITH AUTO BREAKING

The project is to read the rpm of a automobile and according to that it limits the speed as Speed Governor. One can change the speed with variable control. The output is connected to a chopper circuit to drive motor

36 MICROCONTROLLER BASED AUTOMATIC STREET LIGHT CONTROL SYSTEM CUM ENERGY SAVER

The circuit will automatically switch off the street lights when there is no vehicle on road or while moving and control the day/night function as well

37 MICROCONTROLLER BASED INDUSTRIAL FAULT MONITORING SYSTEM

It will check the faults like over temperature, motor speed & over voltage. at the monitor. It gives audio warning and display corresponding fault on LCD

38 GSM & MICROCONTROLLER BASED MESSAGE DISPLAY SYSTEM

A text message can be displayed at receiver end at an LCD display unit connected to a GSM modem with SIM card connected to it. One can make any SMS and you receive display

39 MICROCONTROLLER BASED OVER CURRENT RELAY

The circuit senses the over current and switch the relay off. Then it will on the relay after 1 minute. If still overcurrent is there it will permanently switch off the device. System can be reset using switch.

40 MICROCONTROLLER BASED RFID ATTENDANCE MONITOR

The project will show the names of person on LCD who has pressed the RFID key through Encoder circuit. DATA decoder circuit will allow 5 persons to display their names on LCD using microcontroller

41 MICROCONTROLLER BASED SECURED DATA TRANSMISSION

This is latest of all technology project with DSP integration. The transmitting mode is connected to a computer serial port. It will transmit the data typed on the computer to receiver . At the receiver end it will be displayed on LCD.

42 MICROCONTROLLER BASED SMS DEVICE CONTROLLER

The project will control four electrical devices from the remote end (another mobile) by sending SMS to the GSM modem with a SIM card control unit. One can activate or deactivate any of four devices

43 MICROCONTROLLER BASED VOTING MACHINE

The voting system for four candidates with memory backup to restore the results to be viewed with password

44 MICROCONTROLLER BASED RFID SECURITY SYSTEM:

This actual RFID reader based security system will allow only the authorised persons to enter the premises. The LCD will display the ID no of RFID card to access the security

45 MICROCONTROLLER BASED RFID TOLL TAX READER

The amount Rs.10/- every time will be debited out of prepaid deposited amount from RF BASED smart card circuit whenever the person enter at the TOLL GATE lot and open the toll gate

46 MICROCONTROLLER BASED SERIAL TRANSMISSION TO PC

Serial transmission of data is made through serial link between the microcontroller and the PC using RS-232C

47 MICROCONTROLLER BASED DIGITAL THERMOMETER CUM CONTROLLER

The real time thermometer with DS 1821 as temperature sensor show the output at seven segment display unit with a single relay to switch on/off the desired device to be controlled at specified temperature

48 MICROCONTROLLER BASED CAR PARKING COUNTER

ir sensors are installed on the entry and exit gate of the parking space.when car enter it will increment the count on seven segment. When car leaves the parking it will decrement the count

49 APPLIANCE CONTROL FROM IR

ir singnals are decoded by IR receiver and switch on/off the devices according to there sequence numbers. Total four devices can be controller by this.

50 APPLIANCE CONTROL FROM PC

command sent from the PC is decoded by the microcontroller and switch on/off the devices according to there sequence numbers. Total four devices can be controller by this.

51 APPLIANCE CONTROL FROM MOBILE USING DTMF

command sent from mobile is decoded by the DTMF decoder and sent to the microcontroller and switch on/off the devices according to their sequence numbers. Total four devices can be controlled by this. One mobile is connected to the microcontroller for receiving tone.

52 CONTROLLING COMPUTER FROM MOBILE WITH THE HELP OF DTMF

command sent from mobile is decoded by the DTMF decoder and sent to the microcontroller and microcontroller sends codes to the computer through serial port of the controller connected to computer serial port. Total nine applications can be controlled by this. One mobile is connected to the microcontroller for receiving tone.

53 COMPUTER BASED TEMPERATURE LOGGER

microcontroller will send the temperature read from the temp. sensor to computer. Computer will display that temperature on the hyperterminal and can also log it into a file.

54 MOBILE DTMF CONTROLLED ROBOTIC CAR

DTMF tone is sent from the mobile to the car. Car DTMF decoder decodes the tone and controls the direction, of the car according to received tone. Car can go straight, left, right, back.

55 PIR BASED MOTION DETECTOR

PIR sensor is used to detect the presence of human body in the room. Accordingly we can use it for surveillance or alarm.

56 GSM BASED REMOTE MONITORING SYSTEM

GSM system is used to inform the presence of human body in office, home etc. system will send an SMS to a fixed mobile number to inform that there is some human body entering in his office. Used for anti-theft system.

57 GSM BASED FAULT MONITORING SYSTEM

as soon as fault comes like, over voltage, over temperature etc. microcontroller will send SMS to feeded mobile number details of the fault occur.

58 BEAM TRACKING ROBOT

LDR's are used in each side of robot to sense the light. Direction in which light is maximum, robot will rotate in that direction until his face comes on the side of maximum light.

59 SOLAR CHARGER CUM TRACKING SYSTEM

solar panel will track the sun to get maximum light, also charge the battery to 13.2 with over charging cutout

60 DIESEL ENGINE FUEL LEVEL SENSING AND OPERATING HOUR MONITOR

sense the level of fuel in tank and show the reading on the LCD. Also count the operating hours of the engine for servicing.

61 GSM BASED PATIENT MONITORING SYSTEM

read the pulse rate and temperature, show thw data on LCD and also transmit the data to care taker with GSM modem in the form of SMS.

62 GSM BASED DOOR LOCKING SYSTEM

unlocks the door only when receives SMS from the authenticated mobile number with valid code.

63 GSM BASED INDUSTRIAL AUTOMATION

send informations of speed sensor through SMS to engineer, receives SMS from engineer to switch on/off the devices

64 An On-Line Monitoring System Of Temperature Of Conductors And Fittings Based On GSM SMS

- 65 Security Breach Information For Unauthorized Entry Based On Mobile Technique
- 66 GSM Based Home Security System To Get Intrusion Alerts Like Door/Windows Open Alerts Onto Your Cell Phone
- 67 Cell Phone Based Total Car Controlling System - Car Moving, Forward, Reverse, Etc.,
- 68 GSM Based remote measurement of electricity and control system for home
- 69 GSM Based Highway Road Traffic Monitoring System
- 70 SMS based electricity Billing system
- 71 GSM based home automation with security system
- 72 GSM based traffic density controlling system
- 73 Unmanned toll taxi using RFID
- 74 Microcontroller based Prepaid card for Bus fair system
- 75 IR sensor based home/industrial Automation
- 76 Automatic attendance monitoring and Light ON/OFF system
- 77 PWM CONTROL OF DC MOTOR USING MICROCONTROLLER

78 Touch Screen GLCD based Digital Devices Control System

79 PIR based energy conservation system for corporate Computers and lighting system.

80 Timer based Electrical Oven temperature monitoring and control for Metal Industries.

S.No.	COMPONENTS
1	NE555
2	LM741
3	IRF540
4	Reg IC 7805
5	Reg IC 7808
6	Reg IC 7809
7	Reg IC 7812
8	BC547
9	BC557
10	Resistance any value - 1/4 W
11	Light dependent resistor - LDR
12	Preset any value
13	Capacitor - All Pf/50V
14	Capacitor - Electrolytic - 1mF - 47mF/16V
15	Capacitor - Electrolytic - 100mF - 1000mF/16V
16	IN4007 - Diode
17	IN4148
18	Zener Diode - Any value - 1/4 W
19	8-PIN IC Base
20	14/16 Pin IC Base
21	18/20/22 Pin Ic Base
22	24/28 Pin IC Base
23	40 Pin Ic Base
24	Transformer - 12-0-12

25	LED-5mm
26	IR-LED
27	Tactitle - Push to On Switch
28	Reed Switch
29	Crystal 32.768Khz
30	Crystal 20Mhz
31	Relay -6V - SP
32	PIC16F877A - Microcontroller
33	16x2 LCD
34	Photo Diode
35	Hall effect IC-HI300
36	RFID Module
37	DC Gear Motor-12V
38	stepper Motor
39	Motor Clamp
40	Tyre
41	Rx-Tx433 Wireless Module
42	L293
43	HT12D/12E
44	PIR Sensor Module
45	ULN2003
46	DC Power jack
47	Max232
48	Berg stick Male
49	Seven Segment Red- LT543
50	12V Buzzer
51	LM358
52	Serial Connector - DB9
53	PIC16F676
54	TSOP1738
55	GSM Modem