

Microcontroller Based Kits

PIC Microcontroller Based Count Down Timer.

This project allow user to feed four digit of timer with the help of 4X4 keypad. User can enter 99.59 minutes. This system start count down for every second and wen it reaches 00.00 it will activate the relay. This can be used at places where you need time controlled operation.

PIC 16F877A Microcontroller Based Programmable Temperature Alarm with LCD Display.

This project is based on LM35 temperature sensor. In this project user can watch current temperature reading on 16x2 LCD module, user is allowed to set temperature threshold value using three on board switch named UP, ENT, DWN. When current temperature reaches the user defined temperature threshold value alarm get activated.

PIC 16F877A Microcontroller Based DC Voltmeter On Graphic LCD(128X64).

Project uses PIC microcontroller and 128X64 Graphical LCD. In this project display start with a graphical display of a home. User convert the system into DC voltmeter with the help of a switch. As user vary the preset the voltage reading on the GLCD varies between 0V to 4.99V.

PPIC 16F84A Microcontroller Based Unipolar Stepper Motor Control With Motor and Power Supply.

This project gives a basic idea how to control a Unipolar Stepper Motor. By this project you can interface upto 10 Ampere Unipolar Stepper Motor. In this project yo can increase , decrease the motor speed, change direction of rotation with the help of switches.

Microcontroller based Single Channel Datalogger with LCD and graph Plotting on PC.

You can logged the external physical parameter say temperature on to your PC and plot the data on the PC. One can logged 0-5V Data on PC on a database and plot the data in the PC

16 Channel RF Remote Control TX and RX based on Atmel and PIC.

This project can control 16 device simultaneously, there is no line of sight requirement. There is a transmitter Kit which contain 16 button and receiver kit contain 16 relays ie one relay on receiver correspond to one switch on transmitter. No false triggering is there multiple times signal checking is t h e r e .

PIC 16F877A Microcontroller Based programmable Alcohol BreathAnalyzer with LCD display.

This project test the concentration of Alcohol and raises the alarm when the concentration reaches a user defined limit. This user defined alcohol concentration is user programable with the help of two switches.

PIC 16F877A Microcontroller Based Electronic Code Lock with LCD display.

This project used to secure door, locker etc. access with the following features :a)16x2 LCD module for user interaction. b)4x4 Matrix Keyboard for entering access code. c)Four channel control with four digit password. d)Administrator Lock-up in case of two consecutive wrong password. e)User programmable

PIC 16F877A Microcontroller Based Digitherma with LCD display. (Temperature Measurement using Ds1621).

This project is useful for Temperature Measurement using DS1621 Digital Thermometer. Temperature is displayed on 16X2 LCD module.

PIC Microcontroller based Timekeeper with LCD display.

This system can program the connected device as per your timely requirement. You can program the system and the device will switch ON/OFF according to the program feed by user. This system can wake up in the correct state after power failure and irrespective of controller hang up.

PIC Microcontroller based Telephone operated Three Device Control with LCD display.

This system can remotely control 3 device. This system has a unique password and every device is protected with a separate password. There is no range limitation you can control the device irrespective of your location, distance.

PIC Microcontroller Based Kitchen Timer with 4 Digit Seven Segment LED Display.

Used to control Kitchen electrical appliances. It can control cooking devices upto 99 minutes and 59 seconds and also user can program it with the help of 4x4 on board matrix keypad. Time is displayed on Seven Segment Display.

PIC Microcontroller based 8-Zone Alarm System with LCD display.

This project can monitor 4-Zone continuously. This system is protected from wire cutting, box opening, intruder presence in any zone under all these cases alarm sounds, with intruder activity on LED panel and present status on LCD display.

PIC Microcontroller based School Bell Timer with Real Time Clock and LCD display.

This can control one device according to user programmed date and time. This system offer 48 alarm setting eg, in a school 6 days a week, on each day (Monday, Tuesday, Wednesday, Thursday, Friday, Saturday) user can choose 8 alarm for each day and that alarm will repeat on every week of that day. Or user has a option to activate all 48 alarm on a single day say Tuesday in such case on every Tuesday of week 48 alarm will activate according to user defined time.

PIC Microcontroller Based Single channel Programmable Dimmer with LCD interface.

In this project user can change the intensity of light in a step of 20 this project uses PIC microcontroller, user can Enter the desired intensity value with the help of three switches S1, S2, S3. This project remember the user entered value after power down.

Microcontroller Based programmable OXYGEN Analyzer with LCD display and alarm.

Microcontroller Based programmable Air Quality detection and CO detection with LCD display and alarm.

This project test the concentration of Air Quality & CO. It raises the alarm when the concentration reaches a user defined limit. This user defined Air Quality concentration and CO concentration is user programmable with the help of two switches.

Microcontroller based Infrared Tracking Robot with stepper motor control only circuit.

This project uses two stepper motor and this project turn two motors to track IR source in front of it . When there is no IR in front of motor system rotates the motor to search the IR .

Microcontroller Based Wireless Messaging Via Mobile Handset with LCD display.

This project is used to transfer the message on LCD of the kit. This project is useful when some body is tracking the conversation made on your phone/Mobile. It may be some body in your house or some line trapping agency or mobile conversation recorder by some private agency. Under such situation remote user can send the message to you without knowing the hacker ie you need to put mobile in front of your kit and what ever the remote user type on his mobile from remote end it will appear on the LCD of your kit.

Ultrasonic Distance Meter with LCD display.

This circuit can used to measure distance from the sensor via ultrasonic sensor. This kit is tested upto 300cms distance and can go more than 500cms. The minimum distance of measurement is 25cms.

PC Serial Port Controlled 8 Channel RF Remote Control (PIC microcontroller based with LCD display).

A software on PC is used to control 8 different devices via RF. Transmitter Kit is connected to PC via serial port of PC. On transmitter side PIC microcontroller is used where as on receiver side also PIC microcontroller is used .

Traffic Light Controller with LCD.

This project can control traffic light, LCD is used to display various status, LED is used for display of light, and Alarm is used for switching of lights.

Bidirectional Object Counter

This circuit is used to count the number of peoples entering/Leaving a room with the help of seven segment display by using a PIC microcontroller

8 Channel IR Remote Control

Transmitter circuit is battery powdered it uses battery for its operation Transmitter kit has 8 switches each corresponds to one relay onn the receiver circuit. First key press bring the corresponding relay in ON

PIC Microcontroller Based Four Channel channel Programmable Dimmer with LCD interface.

In this project user can change the intensity of light in a step of 20 this project uses PIC microcontroller, user can Enter the desired intensity value with the help of three switches S1, S2, S3. This project remember the user entered value after power down.

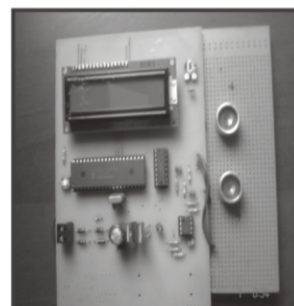
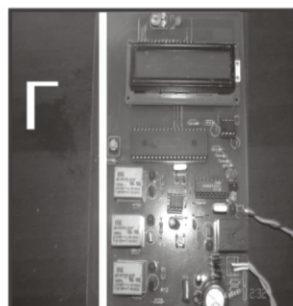
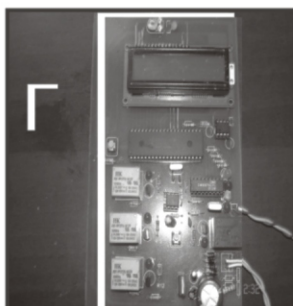
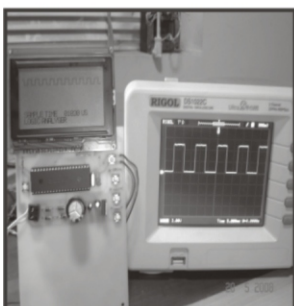
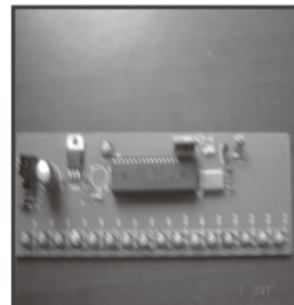
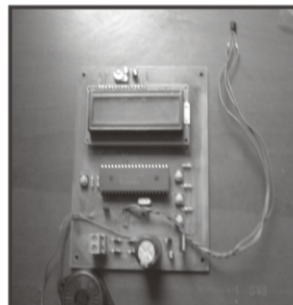
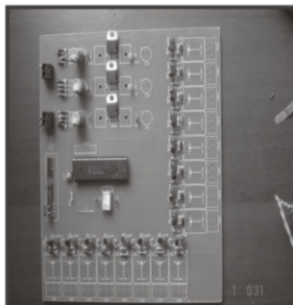
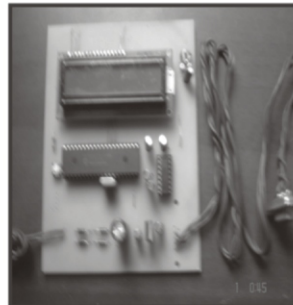
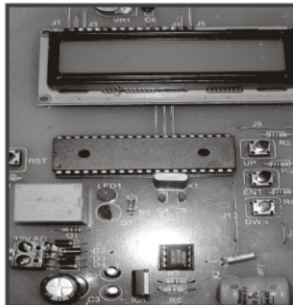
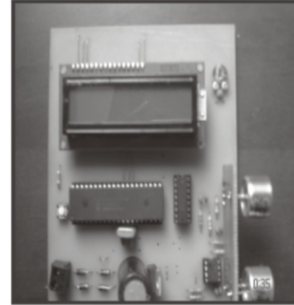
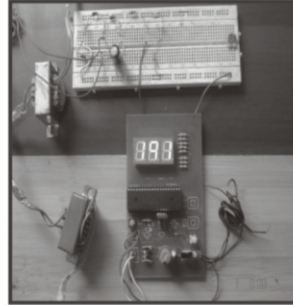
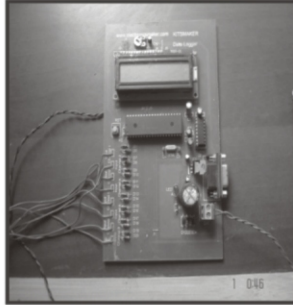
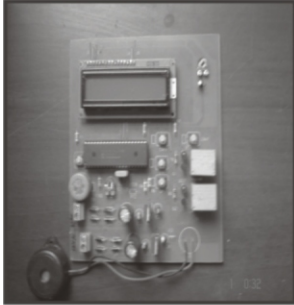
Remote Controlled Microcontroller Based Four Channel channel Programmable Dimmer with LCD interface. (Transmitter Remote and Receiveing Dimmer Board)

In this project user can change the intensity of light in a step of 20 this project uses PIC microcontroller, User can watch the current status of intensity on LCD display of all four channels at a time.

Remote Controlled Robot

Robot can move left right, forward, backward with the help of Remote control.

As per your requiremment Microcontroller Based On Demand Kits can be produced with in short time.



MICROCONTROLLER & ROBOTICS KITS

MAKE YOUR OWN FULLY TESTED KITS

8051 Microcontroller Development Board



Easy Programming by RS-232, learn on board peripherals, learn 8051 architecture, learn interfacing timers, I2C protocol, RS-232, Seven Segment interface, LCD interface.

Robotics



Remote Controlled Robot
Obstacle Detector Robot
Line Follower Robot



Remote Control

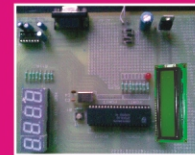


Infrared Remote Control
This system can control 8 devices.
Transmitter is battery operated



PIC Microcontroller Development Board

Learn PIC microcontroller architecture and programming with the help of this development board, learn timers, I2C, SPI, ADC, Interrupt, LCD interface, Seven Segment interface and many more. Easy Downloading of your code via serial port of PC.



- PIC controller based Single Channel Datalogger on PC with graph Plotting.
- Microcontroller Based Programmable OXYGEN Analyzer with LCD display and alarm.
- Microcontroller based Programmable Alcohol Breath Analyzer with LCD display.
- PC controlled Robotic Vehicle.
- Microcontroller based Industrial Time Operated Machine.
- Microcontroller based 8-Zone (Zone plus Tampering) Alarm System.
- Microcontroller based Graphic LCD (128X64) Interfacing.
- Microcontroller Based Electronic Code Lock Using PIC Microcontroller.
- PIC16F877A Based Digitherma.
- PIC16F877A Microcontroller Based Adjustable Kitchen Timer.
- PIC16F877A Microcontroller Based Programmable Temperature Alarm.
- PIC16F877A Microcontroller Based 8-Channel DC Voltmeter.
- PIC16F877A Microcontroller based 16 - Channel RF Remote Control.
- PIC16F877A Microcontroller based Timekeeper.
- Microcontroller Based Telephone operated Device Control.
- PIC Microcontroller Based 8 - Channel IR Remote Control.
- Microcontroller Based Unipolar Stepper Motor Control .
- PIC16F877A Microcontroller based School Bell Timer with Real Time Clock and LCD Display.
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- Microcontroller based Infrared Tracking Robot with stepper motor control only circuit.
- Microcontroller Based Wireless Messaging Via Mobile Handset with LCD Display.
- Microcontroller Based Ultrasonic Distance Meter with LCD Display.
- Microcontroller Based Bidirectional Object Counter.
- Microcontroller Based Single Channel Logic Analyser on GLCD 128X64.
- Traffic Light Controller with LCD.
- PC Serial Port Controlled 8 Channel RF Remote Control (PIC Microcontroller Based with LCD Display).