ARDUINO TRAINER

A Friend in Need

Hi-tech ELECTRONICS
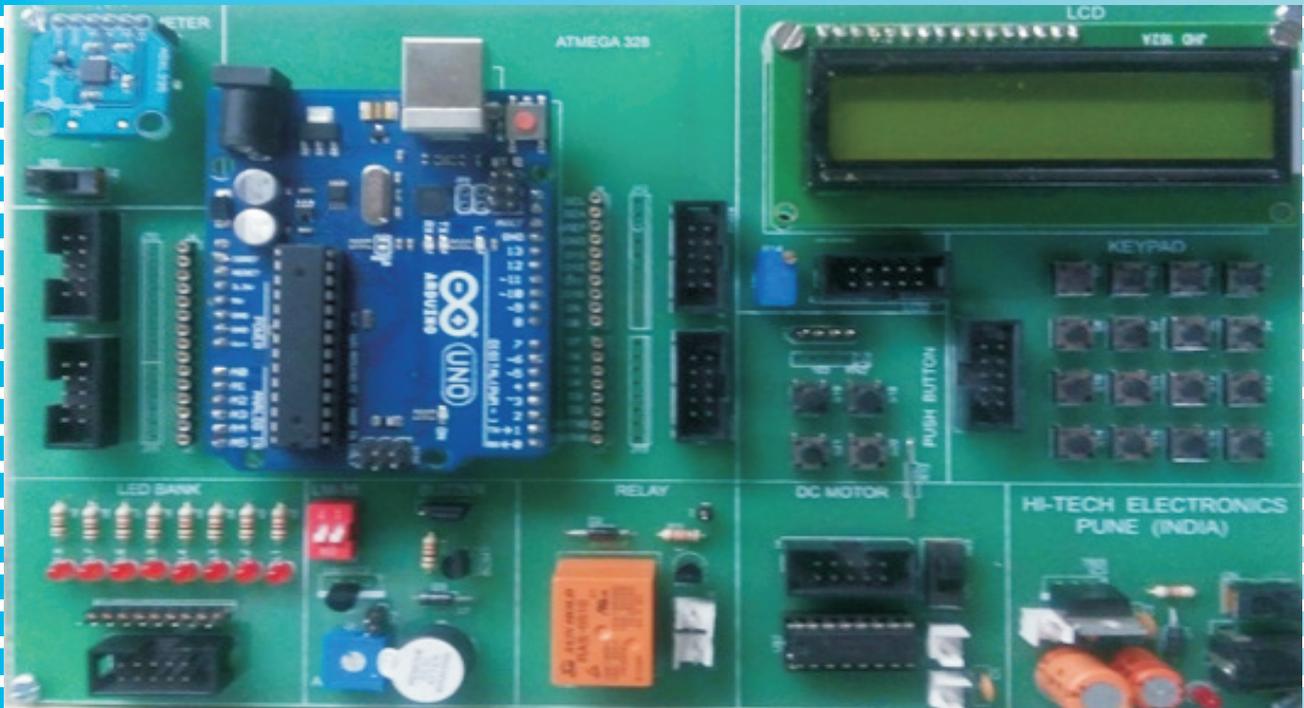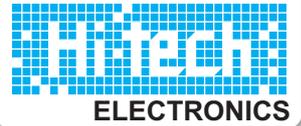

SPECIFICATIONS

- Based on Atmega 328 Microcontroller
- Working at 20MHZ
- Onchip32 KB Flash Memory & 2KB RAM
- 16x2 LCD Display
- 16 Key Matrix Keypad Arranged in 4x4
- Matrix
- Accelerometer Sensor
- LED Bank
- LM-35 Temperature Sensor
- Buzzer
- Relay
- DC Motor
- Push Button
- Power Switch & Reset Switch
- Port Pin Brought on FRC Connectors
- USB Connectivity & Programming

List of Practicals

- Write a program in Embedded C to operate Relay and control appliance.
- Write a program to blink LED after every 1 second delay.
- Write a program in Embedded C to operate Buzzer.
- Write a program in Embedded C to operate DC Motor.
- Write a program in Embedded C to operate Accelerometer.
- Write a program in Embedded C to display user defined messages on LCD.
- Write a program in Embedded C to sense current temperature value in terms of analog voltage and convert into digital using on-chip ADC Module. Display the Temperature on 16x2 LCD display.

Also Available : PIC , ARM-7/9/1, AVR, Microcontroller, Raspberry Pi, DSP, VLSI Trainers

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