

PIC Advanced Course

Duration: 24 hours

PIC16 Advanced Programming

Table Look-up Interrupt handling, Bit-processor, etc.

Interfacing Peripheral Devices

LED, Keyboard, Display, LCD, ADC, DAC, Stepper Motor Interface
Serial RAM and ROM

Industrial Applications

Hardware and Software for Peak Detector of Sinusoidal Wave form, Zero-crossing
Detector, Speed monitoring unit, Frequency counters, Relay drives, Temperature Control
System, etc.

Communication Techniques

Protocols and Handshaking concepts
Serial Communication RS232C etc.
I2C, SPI

Project

One Advance project using PIC16

PIC18 Overview

PIC18 Peripherals
PIC18 Addressing and Architecture
PIC18 Instruction set

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