

PIC Basic Course

Duration: 24 hours

PIC16 Architecture

Internal Flash, RAM, EEPROM

System Clock

Program Counter

CPU Registers and flags

Special Function Registers

I/O Ports, Timers and counters

Interrupts

Serial I/O

ADC

PIC16 Programming

Instruction Set

Data move, Addressing modes

Logical operations at Byte and Bit levels

Arithmetic Operations

Addition, Subtraction

Unsigned and signed Operations

Decimal Arithmetic

Jump, Call and Return

PIC16 Project

One complete project using on-chip peripherals

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