



PANYA TECHNOLOGIES

Technology to Live...

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PIC Controller

- ✚ PIC microcontrollers: History and features
- ✚ CCS C Compiler and PIC18F Development System
- ✚ PIC Architecture & Programming
- ✚ PIC I/O Port Programming
- ✚ PIC Programming in C
- ✚ PIC18 Hardware Connection and ROM loaders
- ✚ PIC18 Timers Programming
- ✚ PIC18 Serial Port Programming
- ✚ Interrupt Programming
- ✚ LCD and Keypad Interface
- ✚ External EEPROM and I2C
- ✚ USB and HID Class
- ✚ ADC and DAC
- ✚ Sensor and other Applications
- ✚ CCP and ECCP Programming
- ✚ Capture Mode Programming and Pulse Width Measurement
- ✚ C# RS232 Interface Programming
- ✚ C# GUI Plot Program
- ✚ Digital Oscilloscope, spectral Analyzer, and multimeter
- ✚ Impact of engineering solutions in a global, economic, environmental, and societal context
- ✚ Knowledge of contemporary issues
- ✚ Final Project