PIC Syllabus

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- Introduction to PIC Family of microcontrollers
- Overview of Architecture of 18F4520
- Processor Core and Functional Block Diagram
- Description of memory organization
- Overview of ALL SFR's and their basic functionality
- Developing, Building, and Debugging ALP's
- Using MPLAB software
- Using Pickit programmer

External Hardware Interfacing:

- Interfacing of LEDs
- Interfacing of Switches
- Interfacing of Relays
- Interfacing of LCD
- Interfacing of ADC
- Interfacing of DC Motors
- Interfacing of Real Time Clock
- Serial Communication
- SPI Protocol
- I2C protocol
- GSM Interfacing
- GPS Interfacing

Live Projects implementation on PIC18f4520

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