

Lab No. 01

Objective:

- Introduction to MP lab and PIC microcontroller
- Creating a file

Introduction:

In this lab, we will learn how to open the **MP-LAB** software and open the file for programming. Basically, it is the introduction lab for the semester work in Embedded lab. This introduction lab is very useful for coming projects and work in lab.

Theory:

MP-Lab:

MP-lab is a Public domain software and is developed for the embedded applications on PIC and microcontroller and this is developed by multinational company named as Microchip technology. MP lab supports the coding, debugging and programming of microchips, microcontrollers of 8bit, 16bits and DS-PIC microcontroller and also for 32bit software asset management and Pic-Microcontrollers 32 bits.



Figure 1.1 MP-Lab main screen

PIC-Microcontroller:

The word PIC stands for **Peripheral Interface Controller**. Firstly, PIC developed for the PDP **Program Data processor** computers for controlling the Peripheral devices. These are very easy

LAB instructor:

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Embedded Systems Lab Manual Objective

Clifford Lane



Embedded Systems Lab Manual Objective:

Decoding **Embedded Systems Lab Manual Objective**: Revealing the Captivating Potential of Verbal Expression

In a period characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its ability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Embedded Systems Lab Manual Objective**," a mesmerizing literary creation penned by a celebrated wordsmith, readers embark on an enlightening odyssey, unraveling the intricate significance of language and its enduring affect our lives. In this appraisal, we shall explore the book's central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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