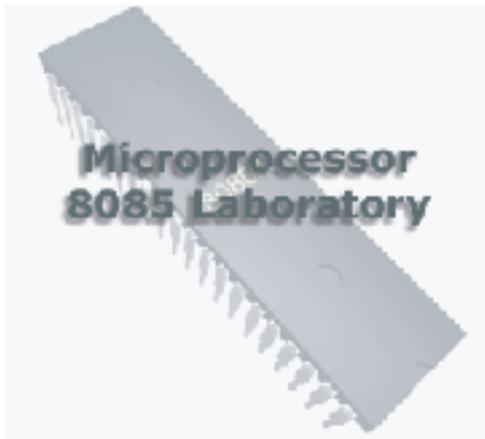


# Microprocessor 8085 Laboratory



Microprocessor - 8085 Laboratory is a software program to enable the students to try and test the programming logic of 8085 Microprocessor without using any Hardware & Trainer Kits. The laboratory Tutor includes the facility to display internal registers, memory, stack level etc.

Microprocessor - 8085 Laboratory is very flexible, reliable, easy to use pedagogical tool which could be very effectively used to supplement laboratory exercise on microprocessor /computer organization as a laboratory aid.

The student can visually see the details of all the execution steps and justify the logic developed by them.

## Special Features :

- ★ Absolute Transparency in functioning of the Microprocessor at Register and Flag levels.
- ★ Constantly displays the contents of all the memory locations that are relevant to a program.
- ★ Quick assembly language programming saving great amount of time and efforts.
- ★ Indispensably useful for Learning and Teaching purposes.
- ★ Makes writing machine code programs really easy because in this Simulator you just click at buttons for the mnemonics and everything else is done automatically.
- ★ Extensive and user friendly Debugging facilities.
- ★ Shows all Stack Activities distinctly and even permits the user to inspect the Stack Area of the memory dynamically at run time.
- ★ Provides valuable online guidance to the user through prompts and warnings.
- ★ The entire 64 kilobyte memory space is available for use, though the user is allowed to choose his own Start Address and Stack location as per his requirement.
- ★ Total input validation - The beginner is guided all along by this well designed and intelligent Simulator, to a stage that we can say that it is almost impossible to make a mistake.
- ★ A well designed Windows Help System.

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