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.