



Name of Laboratory	<b>MICROPROCESSORS AND MICROCONTROLLERS LAB</b>
Objective of Lab	<ul style="list-style-type: none"> <li>• To become familiar with basics of programming in assembly language in 8085A</li> <li>• Understanding the different microprocessor and microcontroller architectures in terms of programming.</li> <li>• To understand basic concepts of microcontroller 8051</li> <li>• To understand various interfacing circuits necessary for various application.</li> </ul>
Description of Laboratory	Understand and apply the fundamentals of assembly level and high-level programming of microprocessors and microcontrollers. Work with standard 8085 microprocessor and 8051 microcontroller with real time interfaces including GPIO, serial ports, stepper motor etc. Troubleshoot interactions between software and hardware
Major Equipment of laboratory	<ul style="list-style-type: none"> <li>• 8051 Microcontroller Nvis 5001 A</li> <li>• Advanced 8085 Microprocessor Nv 5585 A</li> <li>• Advanced 8086 Microprocessor Nv 5586 A</li> </ul>

	<ul style="list-style-type: none"><li>• Pic Microcontroller Nv 5002</li><li>• Arm 7 Development Board Kit</li></ul>
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