

## Microcontroller Based Integrated Circuit tester

An Integrated Circuit tester (IC tester) is used to test Logic Gates. We can easily test Logic gates using this kind of an IC tester. For testing an IC, we need to use different hardware circuits for different ICs; like we need a particular kind of tester for testing a logic gate. Which involves more complication and time involved will also be more. So here's an IC tester to overcome this problem. Unlike other IC testers, this is more reliable and easier since we don't need to rig up different kind of circuits for different kind of ICs, each time we need to test them.

Unlike the IC testers available in the market today which are usually expensive, this IC tester is affordable and user-friendly. This IC tester is constructed using 8951 microcontroller along with a keyboard and a 16 x 2 alphanumeric display unit. Since it is programmable, any number of logic gates can be tested within the constraint of the memory available.

To test a particular digital IC, one needs to insert the IC into the IC socket and select the IC using the keyboard and then press the "ENTER" key. The IC gets displayed on to LCD display unit.

