

# Download Digital Circuits And Logic Design Lab Manual

Logic Design Laboratory Manual 1 ... The basic logic gates are the building blocks of more complex logic circuits. These logic gates perform the basic Boolean functions, such as AND, OR, NAND, NOR, Inversion, ... (VLSI) integrated circuits. Digital IC gates are classified not only by their logic operation, but also the specific logic-circuit ...equipment that you will use in the lab to build and test your circuits. Every work bench in the lab is equipped with all the necessary equipment that you need to implement, test and debug your experiments. This equipment includes a prototyping system, an oscilloscope, a signal generator, a digital frequency/periodCS 303 Logic Design - Laboratory Manual 2 LAB 1. LOGIC GATES Objective To get acquainted with the Analog/Digital Training System. To get acquainted with different standard integrated circuits (ICs). To study the basic logic gates: AND, OR, INVERT, NAND, NOR, and XOR. To understand formulation of Boolean function and truth table for logic circuits. Combinational Digital Logic Design and Sequential Digital Logic Design through the implementation of Digital Logic Circuits using ICs of basic logic gates and some simple digital logic circuits. HDL (Verilog) Labs have been designed to familiarize students with the HDL based Digital Design Flow. These labs introduce students with different