

**Product Name :**  
Digital Circuits Development Platform**Product Code :**  
DEL0001**Description :**

Digital Circuits Development Platform

**Technical Specification :**

## Product Description

Digital Circuits Development Platform is designed to fulfill requirement of performing experiments of digital electronics in a single platform. This makes it easy to design, experiment with, and test circuitry without soldering. Students can explore a wide variety of electronic concepts simply by sticking components into the breadboard. All connections and controls are clearly marked and conveniently located. It is very useful in digital electronics laboratories for performing digital experiments. It is also useful to build and test circuits as well as making projects related to digital electronics or when learning the subject.

**Product Features**

- Self contained & easy to operate
- Functional blocks indicated on board mimic

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- Solderless breadboard
  - On board DC Power Supplies
  - On board Pulse Generator with TTL/CMOS mode
  - Pulsar switches and 8 bit Data switches
  - Bicolor 8 bit LED display
  - BCD to Seven segment display and Logic probe
  - CMOS/TTL output
  - Free e-learning course

## Scope of Learning

- Operation of all Logic gates
- Study of Flip-flops
- Crystal oscillator
- Johnson Counter
- Shift Register
- 8 to 3 line Encoder
- Pulse Stretcher Circuit
- CMOS-TTL Interfacing
- Binary addition Half adder, Full adder, 2 bit Binary parallel adder
- Binary subtraction
- Binary to Gray code conversion
- Gray code to Binary conversion
- Binary to Excess-3 code conversion
- Binary to Excess-3 code conversion
- 4 bit Binary up-down counter
- Multiplexer and De-multiplexer Circuits

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