

## Jain Laboratory Instruments



## Product Code . JL-BE-10486



# Digital Circuits Development Platform

### Description

**Digital Circuits Development Platform** 

Description:-

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.

Digital Circuits Development Platform is designed to fulfill requirement of performing experiments of digital electronics in a single platform.

It is also useful to build and test circuits as well as making projects related to digital electronics or when learning the subject.

This makes it easy to design, experiment with, and test circuitry without soldering.

It is very useful in digital electronics laboratories for performing digital experiments.

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Features:-

Pulser switches and 16 bit Data switches

Bicolor 16 bit LED display

Self contained & easy to operate

Functional blocks indicated on board mimic

Solderless breadboard

On board DC Power Supplies

CMOS/TTL output

Free e-learning course

On board Pulse Generator with TTL/CMOS mode

BCD to Seven segment display and Logic probe

#### Scope of Learning:-

16 to 4 Line encoder

8:1 Multiplexer

8 bit Equality detector

12 bit Odd Parity generator and 13 bit Parity checker

Data writing in and reading from SRAM memory

1:16 De-multiplexer

12 bit Even parity generator and 13 bit Even parity checker

#### 4 bit Arithmetic logic unit

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