

<b>Product Name :</b> Digital IC Trainer DIT	<b>Product Code :</b> NLAB-EDUSCHOOLEQ197009
<b>Description :</b>	
Digital IC Trainer DIT	
<b>Technical Specification :</b>	
SCOPE OF LEARNING:	
Study and Construction of Various Digital Electronics Lab Experiment	
TECHNICAL SPECIFICATIONS:	
Power Supplies:	
Dc Power Supply IC Regulated +5v Dc, 1a.	
Operated On Mains Power 230v, 50hz +10%	
Logic Gates:	
Or Gate: 8 Nos.	
And Gate: 8 Nos.	
Not Gate: 6 Nos.	
Nand Gate: 4 Nos.	
Nor Gate: 4 Nos.	
Ex-Or Gate: 4 Nos.	
Adder And Subtractor Using Gates	
Half Adder	
Half Subtractor	

Full Adder

Full Subtractor

Flip Flop :

JK Flip-Flop Using 7476: 4 Nos.

D Latches Using 7474: 2 Nos.

Rs Flip-Flop Using Gates: 1 Nos.

20 Pin Zip Socket

The Following IC Are Provided On The Trainer Set

De-Multiplexer/Decoder 74138

Multiplexer/ Encoder 74153

BCD To Excess-3 Converter

Excess-3 To BCD Converter

Binary to Grey Converter

Grey to Binary Converter

Shift Register 74194

Decade Counter

Binary Counter 7493

Magnitude Comparator 7485

Parity Checker 74280

BCD To Decimal Converter

Logic Inputs & Outputs 16 Bit

Trainer Contains 4 Bit BCD To 7 Segment Indicators With Inputs A, B, C, D Inputs.

Trainer Equipped With 3 Pin Fused Power Inlet With 3 Pin Computer Compatible Power Cord.

Logic Low Frequency Mono Pulsar With Rising And Falling Edge.

Low Frequency Clock Generator

**SALIENT FEATURES:**

Front Panel Built With High Class Insulated Printed Circuit Board Sheet With Well Printed Circuits And Symbols.

Fuse For Short Circuit Protection

Instruction Manual.

Connections are brought out through 2mm Brass Sockets.

Patch Cords 2mm.

The trainer is housed in ABS Plastic cabinet.

Size of the trainer set 12"x10"

## Naugralabequipments

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