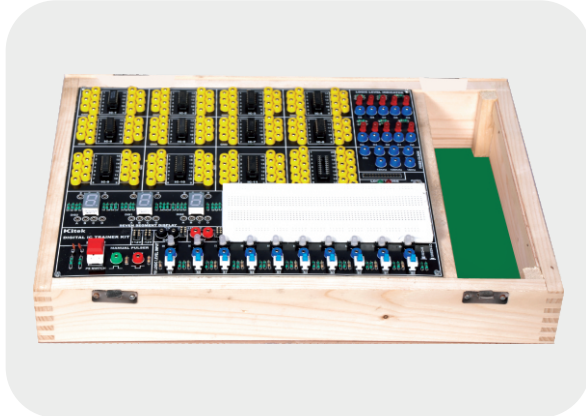


## DTK-02 DIGITAL IC TRAINER KIT



### Specifications

- **Indicators**
  - 10 TTL/CMOS Logic Level Inputs with Dual Color LED indication for logic low and logic high
  - 10 LED for output indication.
- **Clock Generator**
  - Fixed Clock generation of 1Hz, 10Hz, 100Hz, 1 KHz, 10 KHz, and 100 KHz & 1 MHz.
- **Pulse Generator**
  - Logic Pulsar provides single pole double throw bounce less pulses of Low to High and High to Low transitions.
- **Logic Probe**
  - Logic Probe facility provided with LED indicators to indicate Logic High, Low & Tri-state.
- **Bread Board Area**
  - Two Distribution Strip of 100 tie points each totaling 200 tie points.
  - One Terminal Strip of 630 tie points.
- **Display**
  - Three digit seven-segment LED display.
- **Sockets on board**
  - 14 Pin Socket- 8Nos.
  - 16 Pin Socket- 3Nos.
  - 20 Pin Socket- 1No.
- One IC each of 7400, 7402, 7408, 7432, 7404, 7490, 7495, 7486, 7447 & Two Nos. of IC 7476.
- **Power Supplies**
  - Fixed DC Power Supply: +5V,  $\pm 12V$ .
- **Interconnections**
  - All interconnections are made using 2mm banana Patch cords.
  - All ICS are mounted on IC Sockets.
  - Bare board Tested Glass Epoxy SMOBC PCB is used.
  - Attractive Wooden enclosures of Light weight Australian Pine Wood.
  - Set of 2mm Patch cords for interconnections.
  - User's Manual with sample experimental programs.

## DTK-03 LINEAR IC TRAINER KIT



### Specifications

- **Indicators**
  - 4 LED's for output indication.
- **On board LINEAR IC's**
  - 4 Timer IC 555 (2 Nos.)
  - Op-amp IC 741 (4 Nos.)
  - Sample & Hold IC-398 (1No.)
  - Opto Coupler MCT2E (1No.)
  - Voltage Controlled Oscillator 566 (1No.)
  - Comparator IC 710 (1 No.)
- **Onboard Interfaces**
  - Resistor Bank ranging from 10 ohm to 1M ohm (42 Nos.)
  - Capacitor Bank ranging from 1Kpf - 1micro farad (23 Nos.)
  - Voltage regulators one each IC-7805, 7905, 317.)
  - Transistors one each NPN-BC547, PNP-BC188
  - Diodes 1N 4007 (4 Nos.), Diode 1N4148 (2 Nos.) & Zener Diodes one each 1.2V, 5.6V, 7.5V
  - 12V SPDT Relay with outputs NC, NO & Common terminated on 2mm banana sockets
  - One 8ohm Speaker with outputs on 2mm banana sockets
  - One five mm LED with outputs terminated on 2mm banana sockets
- **Potentiometers**
  - Variable potentiometers of 1K, 10K 100K provided on board
- **Bread Board Area**
  - Two Distribution Strip of 100 tie points each totaling 200 tie points
  - One Terminal Strip of 630 tie points
- **Function Generator (using IC 8038).**
  - Provides Sine, Square and Triangular output waveforms.
  - Frequency variable from 0-200 KHz in FIVE steps.
- **Power Supplies**
  - Fixed DC Power Supply: +5V,  $\pm 12V$ .
  - Variable DC Power supply of +1.2V to +15V & -1.2V to -15V.
  - AC Power Supply of 15V-0-15V
- **Interconnections**
  - All interconnections are made using 2mm banana Patch cords.
  - All ICS are mounted on IC Sockets.
  - Bare board Tested Glass Epoxy SMOBC PCB is used.
  - Attractive Wooden enclosures of Light weight Australian Pine Wood.
  - Set of 2mm Patch cords for interconnections
  - User's Manual with sample experimental programs

Note : Specifications can be altered without notice in our constant efforts for improvement.