



# SMD TECHNOLOGY KIT MODEL-SMD100

This trainer has been designed with a view to understand different types of Surface Mount Devices – SMD used in IOT Electronics.



## SPECIFICATIONS

### (1) Hardware

Following Parts are assembled on Single PCB of size - 18 Inch x 15 Inch

1. SMD Resistors
2. SMD Ceramic Capacitors
3. SMD Tantalum Capacitors
4. SMD Diode
5. SMD Transistor SOT
6. SMD Inductor
7. LCCC IC Package
8. CLCC IC Package
9. SOIC IC Package
10. QFT IC Package
11. PLCC IC Package
12. SOJ IC Package
13. SMD Prototypes With Readymade Solder Pads
14. SMD Soldering Zig

### (2) Accessories

1. Practical Manual - Printed + Soft Copy : 1 No.
2. E-Books for Subject : 10 Nos. in PDF Format

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**Dealer:-**

### **(3) Cabinet and PCB**

The complete circuit diagram is screen printed on component side of the PCB with circuit and Parts at the same place. The PCB with components on front side is fitted in elegant wooden box having lock and key arrangement. The acrylic cover is fitted on PCB to safeguard parts. It works on 230 V AC Supply.

## **EXPERIMENTS**

1. To understand theory and use of SMD Resistors
2. To understand theory and use of SMD Ceramic Capacitors
3. To understand theory and use of SMD Tantalum Capacitors
4. To understand theory and use of SMD Diode
5. To understand theory and use of SMD Transistor SOT
6. To understand theory and use of SMD Inductor
7. To understand theory and use of LCCC IC Package
8. To understand theory and use of CLCC IC Package
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14. To understand theory and use of SMD Soldering Zig