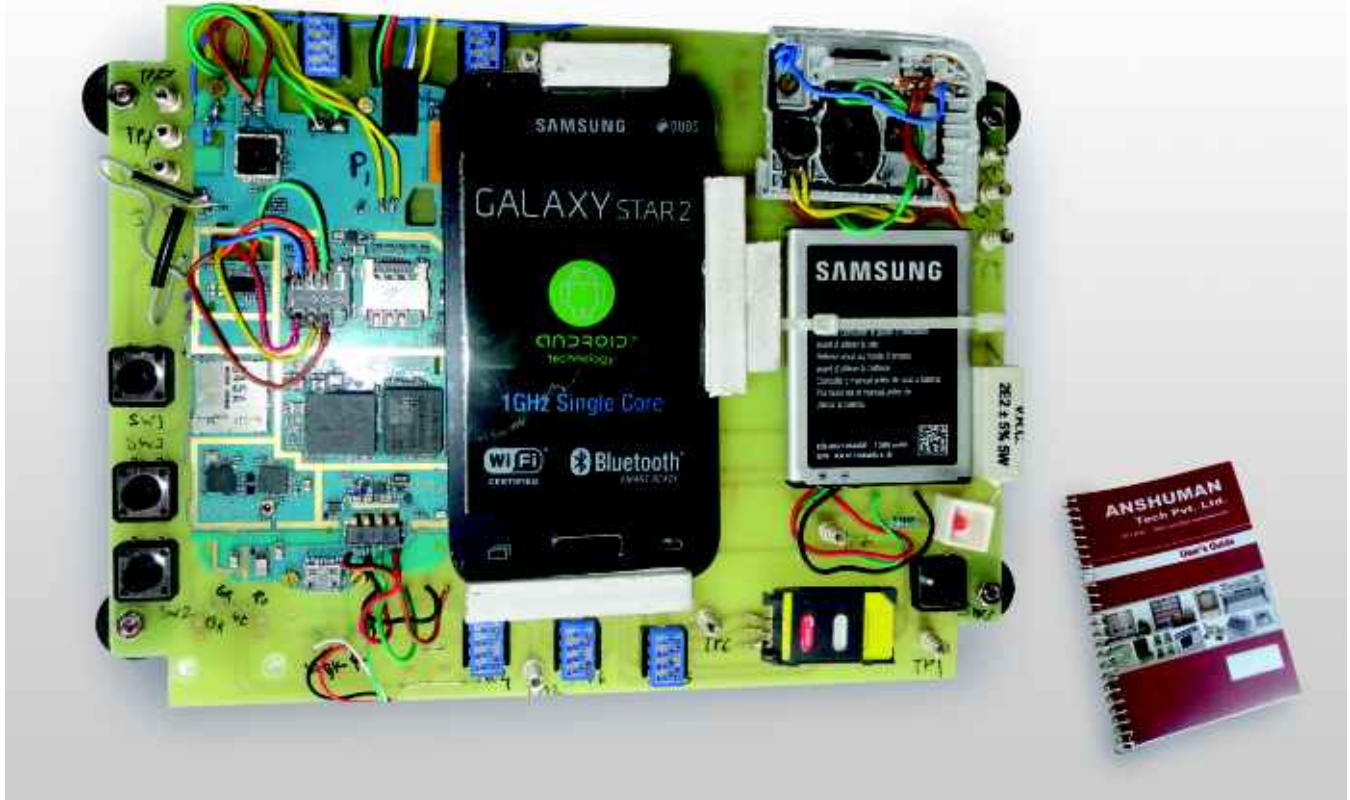


MOBILE PHONE TRAINER (Model : XPO-MOB)



Technical Specifications : Due to fast changing mobile market, we reserve right to change model of Mobile used in trainer without explanation.

Mobile Handset :

- Cellular system : GSM 900/1800/1900 (Tri - band)
- Rx frequency Band (Downlink) : 1710-1785 MHz
- Tx frequency band (Uplink) : 1805-1880 MHz
- Mobile Transmit power : 250mW to 2 W
- Channel spacing : 200 KHz
- Modulation : GMSK
- Antenna : Loop type (Microstrip)
- Connectivity : Bluetooth V2.0, USB 2.0, WiFi, Internet Browser
- On board section : Antenna, touch screen, SIM, Battery charging circuit, Clock, Loudspeaker, Vibrator, Display, Camera.
- No. of Test points : 12 Nos.
- No. of Faults : 16 Nos.
- Power supply: Using specified charger (110 – 230 V AC, 50/60 Hz)

Set of Guides :

- Student's Workbook & Instructor's Guide.
 - **Mechanical Dimension :** (193 x 144 mm) with plastic perspex from top and bottom.
 - **Accessories Included:** USB Cable, Mobile Charger, Headphone etc.

List of Experiments :

- To study general block diagram of a mobile phone.
- To study Mobile transmission section.
- To study mobile reception section.
- To study different nos. of faults provided with the trainer.
- To study & observe voltages/waveforms of each test points.
- To study mobile charging circuits.
- To use Mobile phone as modem for using AT commands as given;
 - a) Sending text messages, read/delete messages etc.
 - b) Calling to a no, reject/accept the incoming calls etc.
 - c) GPRS related commands.
- Study of Bluetooth technology & connection with other BT devices.
- Bluetooth profiles : BIP, BPP, DUNP, FTP, HID, OPP , SAP, A2DP, PBAP, SPP etc.
- To study general idea of SIM card.
(Local SIM card must be inserted by the user at the time of experiment).