Order Code- 40617 is a Digital Communication Trainer System to under stand various digital Modulation and Demodulation Techniques. Various functional block diagrams are provided on-board for Teaching/Training. This Kits provides with various Test Points to visualize the signals on Oscilloscopes.

FEATURES:

- Data format of NRZ-L, NRZ-M, NRZ-S,URZ, AMI, BIO-L, BIO-M, BIO-S converted to NRZ-L.
- ASK, PSK, FSK Demodulator.
- In-Built Power Supply

LIST OF EXPERIMENTS:

- Study of different Data formats to NRZ-L Format.
- Study of Amplitude Shift Keying Demodulation Techniques.
- Study of Frequency Shift Keying Demodulation Techniques.
- Study of Phase Shift Keying Demodulation Techniques.

SPECIFICATIONS:

- Carrier Demodulation using ASK, PSK, FSK.
- Data formats of NRZ-L, NRZ-M, NRZ-S, URZ, Bi-phase-L, Bi-phase-M, Bi-phase-S, AMI encoded to NRZ-L format.
- Receiver Clock generated by PLL.
- **Carrier Demodulation done by:**
  - Rectifier Diode for ASK.
  - PLL Detector for FSK.
  - Square Loop Detector for PSK.
  - Block Description Screen printed on glassy epoxy PCB.
- **Demodulation Techniques:**
  - ASK, FSK, PSK Demodulation.
- **Interconnections**
  - All interconnections are made using 2mm banana Patch cords.
- Test points are provided to analyze signals at various points.
- All ICS are mounted on IC Sockets.
- Bare board Tested Glass Epoxy SMOBC PCB is used.
- In-Built Power Supply of +5V/1.5A, ±12V/250mA with Power ON indication.
- Attractive enclosure.
- Set of 2mm Patch cords for interconnections.
- User's Manual with sample experiments programs.
- 315mm x 245mm x 105mm (L x W x H).
- Weight 3 Kgs.

Note: Specifications are subject to change.