

Mobile Trainer System

Introduction

Mobile trainer is designed in a fashion to learn all fundamental Operation of mobile phone . Each section is defined with proper Operation .After using this Students will be able to do all operation based On AT commands.

Technical Specifications

- The system must be able to explore MOBILE applications .
- 240 x 128 Graphical LCD, Video Tutorial and soft manual.
- Step by step training through graphical LCD.
- Facility for learning AT command SET thru LCD Display.
- 4x4 multiplexed keypad.
- Alpha numeric keypad for AT Command set.
- Fixed / variable SMS to any number thru keypad .
- RS- 232 Serial interface.
- GSM Frequency 850MHz.
- Based on Processor Core: SST.
- DTM Decoder circuitry.
- Programming software with serial port module.
- GPRS Frequency: Dual-band EGSM 850/1900MHz Complaint with ETSI GSM Phase 2+ standard class 4 (2W @ 850/1900MHz)
- Enhanced Full rate and half rate (FR/EFR/HR), Dual Tone Multi Frequency (DTMF)
- Data: Asynchronous - non transparent up to 9.6 kbps
- Short Message Services (SMS): Text and PDU
- Software Interface: General purpose RS-232 serial interface, remote control by AT commands (GSM 07.07 and 07.05),
- Serial Baud rate from 300 to 115200 bits/s,
- Auto Bauding (300 to 38400 bits/s)



Experiments

- To study hardware of mobile trainer .
- To study call, halt sms, sms deletion, sms read using on board key commands.
- To study sms read processing using on board keys commands
- To study the signal strength , frequency band of network



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