DST – NIMAT Project
TEDP on "P. C. Maintenance and Networking".

Duration of Training: Six Weeks (Four Hours per day)

Training Methodology
1. **Instructional Training**
2. **Practical Training**
3. **Field Training**
4. **Technology Entrepreneurship Training**

Training Curriculum
A.   PC Maintenance
1.   PC systems and Configuration
       PC Motherboard, Bus
       BIOS, Memory, Interface
2.   Memory Devices
       HDD, CD and Pendrive etc
3.   Physical drive installation and configuration
4.   PC Installation, power supply, Chassis etc.
5.   Peripheral Devices
       Printers, Scanners, VDUs, Multimedia components,
       Modems etc.
6.   PC diagnostic, test and maintenance
       Diagnostic softwares
       Power on Self test
       Hardware diagnostic
7.   PC Maintenance Tools
       Hand Tools
       Soldering and De-soldering
       Test equipments and its use
       Special tools
8.   Preventive Maintenance
9.   Basic Trouble shooting
10.   Dismantling and Assembly of complete PC

B.   Networking

1.   Networking Basics
       Network Communications, LAN, WAN, Wi Fi etc.
2.   Networking Hardware
       Cables, topologies, types, Network interface adaptors, Hubs etc.
3.   Networking Softwares
       Windows NT, Windows 2000 etc.
4.   Network Protocols
       Data link, IP, and TCP – IP etc.
5.   Installing Network
6.   Network Maintenance
7.   Network troubleshooting
8.   Tools
       Indicators, wire map testers etc.
9.   Network testing
10.   Troubleshooting of networking