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immense
INSTITUTE OF TECHNOLOGY & MANAGEMENT

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Certificate in Mobile Repairing

Duration: Three Months

Module 1: Basic Electronics

1. Basic Electronics
2. Introduction of Mobile Components
3. Practical on Electronic Components & Testing
4. Soldering with Iron
5. Multimeter, CRO, Bread Board
6. How to use SMD
7. PCB, General Purpose PCB
8. Checking Of Parts (Speaker, Buzzer, Earphone, PFO)



Module 2: Mobile Components

1. Introduction of Mobile Communication
2. Cellular Mobile Telephone Service
3. Service Information of Mobile Phone
4. Identification of different IC's
5. Supply Voltage Regulator, Powering UP & Down the Phone
6. Receiver, Transmitter, Headset Detection
7. Memory, SRAM, EEPROM, FLASH
8. Display Circuit / Monitor
9. Batteries and Charger, Sim Card
10. Network Section(PFO, FDK, Antenna, Antenna Switch)
11. Chip level and BGA Training
12. GSM Codes
13. Block Diagram of Different Phones
14. Ball IC Practice, Fix the Ball IC
15. Checking of PCB Prints
16. SMD Rework Station Practice on Working Phones
18. Parts Replacing & Checking

Module 3: Trouble Shooting

1. Fault Finding Procedure
2. SIM Card Faults, Network Problem
3. Charging and Battery Problems
4. Power ON/OFF Problems
5. General Faults, Display Problems
6. Software Problems
7. Keyboard Problems
8. Motherboard Tracing

Module 4: Mobile Software

1. Use of Logo Manager
2. Dongle Switch, Interface Cable
3. Unlock, Flashing, Bluetooth
4. Loading Games, Video Clips
5. Blacklisting Software, UFS3
6. Remote Software