



Information Booklet

Course Name:
Course in Mobile Repairing
Course Code: M1



Address:
Info Tech Corporation of Goa Ltd.,
IT HUB, 3rd Floor,
Altinho, Panaji-Goa.
Pin: 403001
e-mail Id: md-itg.goa@nic.in
Tel: (0832) 2226024/22241926

Mobile repairing

1. Introduction:

This course is designed to understand the concept of working of cellular phone network and its services to connect mobile accessories for hands free operations and to identify and locate the fault and repair the same.

2. Eligibility:

A minimum educational qualification of being 5th Pass

3. Duration:

80 Hours. Two Hours each day

- Theory 10 hours
- Practical 70 hours

4. Course Details:

Type of course	COURSE IN MOBILE REPAIRING
Syllabus	<p>BASIC ELECTRONICS</p> <ul style="list-style-type: none"> • Introduction of basic electronics, analog and digital technology • Identification and working of basic electronic components. • Use of multimeter. • Testing of basic components by multimeter like diode, transistor and capacitors. • Layout of diode, transistor, step up and down transformer, AC and DC current, Half waver rectifier and full wave rectifier, multidirectional pole switch. • Understanding Mobile Technology <ul style="list-style-type: none"> ○ Basics of Mobile Communication and Technology like CDMA, GSM ○ Blue tooth concept ○ Tools & instruments used in mobile phone repairing. ○ Features of mobile phones. ○ Various components used in mobile phones. ○ Basic parts of mobile phones (microphone, speaker, buzzer, LCD, antenna, etc). ○ Mobile telephone unit, Service provider, SIM, relation between SIM and service provider ○ Concept of coverage area, airtime, talktime, dual mode <p>HARDWARE</p> <ul style="list-style-type: none"> • Microprocessors <ul style="list-style-type: none"> ○ Basic Circuit Board/ Motherboard Introduction. ○ Assembling & disassembling of different mobile phones. ○ Soldering & de soldering components

- Working with ICs.
- Working with PCB
- Fault finding & troubleshooting.
- Jumpering techniques.
- Troubleshooting through circuit diagrams.
- Repairing procedure for repairing different hardware faults like Dead, Network problem, SIM card rejection, Microphone / Speaker not working, No charging, No vibration etc.
- Mobile accessories

SOFTWARE

- Flashing
- Formatting
- Unlocking
- Downloading and Installation of Applications, Themes, Games etc.
- Bluetooth/ infrared
- Fault find related to Software like SIM locked, SIM rejection, Hanging problems, restart problem etc.

PRACTICAL SESSIONS

- How to use mobile phones
- Use of tools for assembling and repair
- Soldering practice
- Jumper practice
- Downloading themes, games etc
- Ringer problems and its solutions
- Microphone problem and its solutions
- Speaker problem and its solutions
- Vibration problem and its solution
- Charging problem and its solution
- Display problem and its solution
- Keyboard problem and its solution
- SIM card problems and its solution
- Joy stick problems and its solution
- Network related problem and its solution
- Software, locking and flashing problems and its solution

Each student of this course shall be given the kit consisting of

- Multimeter
- Precision tool kit for mobile repairing
- Soldering iron with the solder and flux and stand
- CD containing software
- Magnifying glass

5. Fee:

Rs. 8000/- (exclusive of Service Tax)