PG AND RESEARCH DEPARTME OF PHYSICS

VALUE ADDEDCOURSE ON

MOBILE SERVICE COURSE

2018-2019

PROGRAMME COORIDATOR	Mr.P. RAMESH Asst. Professor PG and Research Department of Physics
COURSE TEACHER	Mr.P. RAMESH Asst. Professor PG and Research Department of Physics
NUMBER OF STUDENTS ATTENDED	23
CLASS HOURS AND TIMINGS	5 hours per day(Saturday) 6 days

Mobile Phone Service Course Syllabus

Nehru Memorial College conducts mobile phone repairs and servicing course in ourcollege to help you to make a career in this field. The training provides all the essential skills needed to service, repair and maintain mobile phones.

The training is divided into three parts:

Theory

Practical

Real time Practice

Module 1 (Basics)

Basics of mobile communication and electronics.

Study of Digital Electronics.

Assembling & disassembling of different types of mobile phones.

Use of various tools & instruments used in mobile phone repairing.

Details of various components used in mobile phones.

Study of basic parts of mobile phones (mic, speaker, vibrator, LCD, antenna, etc).

Testing of various parts with multimeter.

Use of a machine (DC Supply).

Module 2 (Hardware)

Introduction and study of Printed Circuit Board (Motherboard)

Names of different BGA ICs.

Work of different BGA ICs.

How to recognize various ICs.

Soldering &desoldering components using soldering iron.

Soldering &desoldering components using rework station.

Working on SMD / BGA ICs and the PCB.

Module 3 (Software)

Introduction of various software faults.

Introduction of various flasher boxes and softwares.

Flashing of various brands of handsets.

Formatting of virus affected handsets.

Unlocking of handsets through codes and/or software.

Use of secret codes.

Downloading.

Module 4 (Troubleshooting and Advance Troubleshooting)

Fault finding & troubleshooting.

Steps for repairing hardware and software problems.

Circuit tracing, jumpering techniques and solutions.

Troubleshooting through schematic diagrams.

Repairing procedure for fixing other new hardware faults.

Advanced troubleshooting techniques.

Module 5 (Support Program)

How to start and manage your own mobile repair center.

How to successfully work as a technician.

Where to procure tools, spare parts and accessories.

How to deal with customers and distributers.

Technical support and guidance.

Various other technical support websites.

Who should attend?

Anyone who wants to make a career in mobile phone repairs or wants to learn it as a hobby.

Prerequisites

No specific prerequisites required.

Duration: 30 hours