

REPAIR AND MAINTENANCE OF MOBILE CELL PHONES



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Abbreviations and Acronyms

3G:	3Rd Generation in Mobile Telephony
AC:	Alternate Current.
BGA:	Ball Grid Array
BSI:	Battery Status Indicator
CDMA:	Code Division Multiple Access
CPU:	Central Processing Unit
DCT:	Digital Core Technology
DC:	Direct Current
ESD:	Electro Static Discharge
FM:	Frequency Modulation
GSM:	Global System For Mobile phones
IC:	Integrated Circuit
IMEI:	The International Mobile Station Equipment Identity
LCD:	Liquid Crystal Device
LED:	Light Emitting Diode
MIC:	Microphone
PDA:	Personal Digital Assistance
PCB:	Printed Circuit Board
PFO:	Power Frequency Oscillator
RAM:	Random Access Memory
RTC:	Real Time Clock
SMD:	Surface Mount Device
SIM:	Subscriber identification module

Mobile Cell Phone Repair and Maintenance

Introduction

Welcome to this course on mobile cell phone repair and maintenance. A mobile cell phone is a hand held mobile device that can perform several communication functions. Mobile technology has become one of the fastest growing technologies in the world. Today people use mobile phones to stay in touch with friends and family, to share stories and photographs in social media, and to carry out financial transactions. Indeed, according to a World Bank policy research paper of 2012, 93% of Kenyans owned a mobile phone by the end of 2011.

This widespread ownership and use of mobile phones has created a need for professionals who can repair and service mobile phones. This course has been developed to address that need. The course targets people who would like to start and run a mobile repair and servicing business. By the end of this course you should be able to disassemble and assemble a mobile phone, diagnose the problem, service and repair a mobile phone with the help of proper tools and instruments.

This course is provided through distance learning and we trust that you will find the material useful both for studying and as future reference. We welcome your feedback on any issue relating to this course and wish you all the best. Happy Learning!

Learning Outcomes

Upon completion of this course you will be able to:

- Identify different types of mobile cell phones
- Recognise potential hazards in the repair of mobile cell phones
- Identify the parts of a mobile cell phone
- Use the correct hardware tools to repair mobile cell phones
- Assemble and disassembly a mobile cell phone
- Identify mobile cell phone faults and solve them.



Topic 1: _____

Types of Mobile Phones

Before we discuss the types of mobile phones, let us first look at the meaning of a mobile phone.

What is a mobile phone?

A mobile phone is a handheld device that allows you to make and receive telephone calls while you move around a wide geographical area. A mobile phone also supports several other functions, such as text messaging, email and internet access, photography, money transfer, banking, and so on.

Types of Mobile Phones

There are many different types of mobile phones available in the market. Which ones do you know? Take 2 minutes to think about it and then complete the following activity.



Activity 1:

Types of mobile phones (3 minutes)

List at least 4 types of mobile phones in the space provided below.

1. _____
2. _____
3. _____
4. _____

Well done! We believe your answer included the following types of mobile phones:

- Bar
- Brick
- Touch screen
- Flip
- Slider
- Swivel watch
- Taco
- Mixed flip and swivel

This is a sample, click download link to get the full Tutorial

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