

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 disassemble a mobile cell phone
- Identify mobile cell phone faults and solve them.

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