Smart Phone Trouble shooting and Repair

Year:2019-20

Event Description:

This Smart Photo Trouble Shooting and Repair webinar was organized on the year of 2019-20 By Centurion University of Technology and Management.

Course Objectives:

- Develop the skills required to design a next generation wireless networks
- To involve the students in the theory and practice of wireless communications

Learning Outcomes:

- Various Communications available and its challenges in modern era

Pre-requisites: Nil
Course Type : Audit (Works
Duration : 30 Hours

Module	Contents	Duration
Module-1	• How to disassemble & assemble different types of cell phones • Identifying different parts of GSM and CDMA handsets	10 hours
Module-2	• Tools used for mobile phone repairing • How to use different tools used for mobile repairing • Work of different parts & ICs	10 hours
Module-3	• JumperingTechniques • Techniques used to repair (troubleshooting) different faults	10 hours
	TOTAL	**30 hours**

Dr. Anita Patra, Registrar, CUTM

Convener

Report on Smartphone Troubleshooting and Repair

Total number of participants: 40
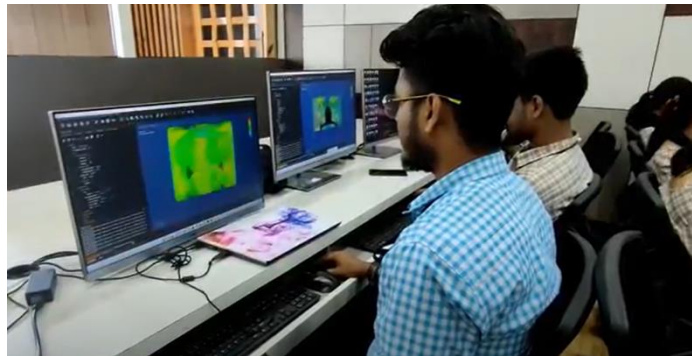
Academic year: 2018-19

Date:01.11.2019

As a technician, the participants were asked to understand a basic rule of business, time is money. Whether you are boss or work for someone else, theability to identify and isolate a fault quickly and decisively is very important to the success of your business. It requires some common sense, and a little bit of focus. It also requires an understanding of the troubleshooting process, and reliable plan of action. Even though the number of configuration and setupsare virtually unlimited, the methodology used to approach each repair is always about the same. This introduction is intended to isolate the concepts ofbasic troubleshooting and show you how to apply basic repair steps that will help you narrow the problem down before you even take a screwdriver to the mobile phone. By applying a constant technique. You can safe precious time from every repair.

The participants were asked to understand the concept of developing the skills required to design a next generation wireless network and to involve the students in the theory and practice of wireless communications. Furthermore, the participants were briefed on the various Communications available and its challenges in the modern era.

The following are a few major areas discussed in the programme.

- How to disassemble & assemble different types of cell phones
- Identifying different parts of GSM and CDMA handsets

- Tools used for mobile phone repairing
- How to use different tools used for mobile repairing
- Work of different parts & ICs
- Jumping Techniques
- Techniques used to repair (troubleshooting) different faults

Practice on Troubleshooting and Repair of Phones on 01.11.2019

The General Troubleshooting Steps:

Regardless of how your particular smartphone might be, a dependable Troubleshooting steps can be broken down into four basic steps.

#1: Define your symptoms,

#2: identify and isolate the location of your problem #3: replace the suspected component, and

#4:re-test the component thoroughly to be sure that you have solve the problem. If you have not solved the problem, start again from step #1: This is a "universal" procedure that you can apply to any sort of troubleshooting __not just for phones.

Contents

1. Basic information of how cell phone works
2. Introduction to basic electronics

3. Preparing the Proper Tools for Repairing Opening Tools and Tweezers Soldering and Desoldering Tools

4. Safety Procedures and Proper Handling of Tools and Test Equipment on Cell phone Repair

5. Introduction Reading Cell phone's Schematic Diagrams

6. How to Find and Locate Components on PC Board How to Solder SMD Components Manually by Hand

7. Basic Hardware Handling Procedures

8. Troubleshooting

9. Basic Mobile Phones Hardware Repair Techniques

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List of Participants
Smart Phone Trouble shooting and Repair

Organized by: Centurion University of Technology and Management
Date: 01 November 2019
Event Description:

This Smart Photo Trouble Shooting and Repair webinar was organized in the year of 2019 By Centurion University of Technology and Management

List of Participants:

S.No.	Name	Reg. No.	Presence/Absent
1	SOHOM GHORAI	190301120001	P
2	SIDDHARTH PARICHHA	190301120002	P
3	SRIJAN DAS	190301120003	P
4	RITAM PATTANAYAK	190301120004	P
5	ANKIT KUMAR PRADHAN	190301120005	P
6	JISHNU PORE	190301120006	P
7	ROMIT SWAIN	190301120007	P
8	SOURAV DHALI	190301120008	P
9	PRATIK BOSE	190301120009	P
10	AYAN BISWAS	190301120010	P
11	ABHISHEK SETHI	190301120011	P
12	SAGAR DEY	190301120012	P
13	ASHUTOSH MOHAPATRA	190301120013	P
14	SOURAV PRAKASH PATRA	190301120014	P
15	RUDRA MADHAB JENA	190301120015	P
16	ALOK KUMAR	190301120016	P
17	ARPANA SINHA	190301120017	P
18	ALISHA DASH	190301120018	P
19	K LOKESH PATRO	190301120019	A
20	MIHIR PRADHAN	190301120020	P
21	ISHAN ROUT	190301120021	P
22	SANITY SETHY	190301120022	P
23	SOBITA DAS	190301120023	P
24	AYUSH KUMAR PATEL	190301120024	P
25	SHUBHAM NAYAK	190301120025	P
26	PRITEESH KUMAR MOHANTY	190301120026	P
27	MD SHAMSHER ALAM	190301120028	P
28	AUROCHANDAN PRADHAN	190301120029	P
29	MONALISHA PRUSTY	190301120030	A
30	BISWAJEET NAYAK	190301120031	P

31	AVIJEET BASTIA	190301120032	P
32	KALPITA PATRA	190301120033	P
33	SONALIKA SAPANPRIYA DEHURY	190301120034	P
34	MUNESH SUTAR	190301120035	P
35	ARPITA SAHU	190301120036	P
36	BHABESH DAS	190301120037	P
37	BAPUN DAS	190301120038	P
38	AMBEET KUMAR MOHAPATRA	190301120039	P
39	SANTOSH KUMAR KARAM	190301120040	P
40	HITISH KUMAR RAY	190301120041	P

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