

Cell Phone Repairs and Service

Course code NARQ40003 - PROCESS – Session Plan

Day	Session	Subject
01	I	Registration & Inauguration. About the Institute, rules & regulations of training/institute
	II	Micro lab – ice breaking exercise
	III	Achievement Motivation – confidence building
	IV	Need and advantages of self employment. Entrepreneurship Development – What, Why & How?
02	I & II	Entrepreneurial Competencies – Importance, explanation with examples
	III & IV	Ring Toss Exercise- Risk Taking & Goal Setting
03	I	Introduction to basic electronics and identification of components
	II & III	Fundamentals of Mobile Telephony , Architecture and Components of the GSM network, GSM , 2g , 3g , 4g LTE , WAP , GPRS ,EDGE , UMTS , EVDO Concepts, Types of networks in cell phones, Dual Band (SIM) Handset, Tablets & Smartphone
	IV	Cell phone in GSM technology - Types of sections
04	I	Time Management
	II to IV	Introduction to Hardware and materials - like Power, Voltage and frequency. Demonstration, Usage of Digital Millimeter, Resistors, Capacitors and coils, Diodes & Transistors, Crystal, ICs & SMD's
05	I	Problem solving-Explanation through case studies and exercises Tower building – eradicating dependency syndrome
	II to IV	Mother Boards in 4G, 3G, GSM Phones, Fault finding and servicing network sections in GSM and Chip Level Soldering De-soldering -Theory & Practical
06	I & II	Study of PF, RF and Filters, Key pad LEDs fault finding, tracing strips problems Checking of components & circuit board
	IV	Tower Building Game - Removing the Dependency Syndrome
	IV	Identifications of different types of Microchips and Microprocessors
07	I to III	Introduction to MMC problems, charging problem, Camera problems, Battery problem, Display Problem, Hanging problem, Network problem – solution through handset
	IV	Effective Communication Skills.

08	I-IV	Introduction to safety measures. Take adequate safety measures while handling hazardous materials or tools, Follow Electrostatic Discharge (ESD) measures for electronic components. Escalate matters about hazardous materials or things found in the premises, Use safety materials such as gloves, goggles, masks, etc. Adequate safety measures while on work to prevent accidents Ensure zero accidents in work, Avoid damage of components due to negligence in ESD procedures 9. Ensure no loss for company due to safety negligence
	I & II	Introduction to Audio sections in GSM phones, Study of Mike, speaker, vibrator & ringer Theory
09	III & IV	Practical of the above sessions
	I & II	Introduction to touch screen, Key pad LEDs fault finding and hands free technologies - solution through handset IC
10	III & IV	Practical of the above sessions
	I	Assembled handset, Driver Installation, File Flashing, Set Dead, On/Off, Hang, Restart etc. All Type Of Unlocking – User Lock, SIM/Country Lock Online IMEI Repairing, – Identification & handling approach
II		
11	III	Functions of different Pattern Lock Removing in Android windows and China Tablets, fix practice
	IV	Practical of the above sessions
12	I	Jumpering technique for new models
	II & III	Fault finding & Trouble shooting through circuit diagram
	IV	Market Survey – Theory – Preparation of Questionnaires
13	I-IV	Market Survey-Collection of information and field visits.
14	I	Market Survey -Report writing, presentation, group discussion & analysis
	II & IV	Repairing procedure – Hardware fault – New models
15	I	Software problems, Updates, Installations, Debugging & Flashing – Through coding, Repairing All Type of Software Problem,
	II	
	III	Practical of the above sessions
	IV	
16	I	Practice of circuit tracing Fault diagnoses procedure, All Electronics Components Identification testing & their working
	II	
	III	Practical of the above sessions
	IV	
17	I	Practical of the above sessions. Dead, contact service fault – Through software User lock, SIM lock, Network lock – Beak through software, Formatting & unlocking, downloading, blue tooth, Virus solution – Through software
	II	
	III	Practical of the above sessions
	IV	

18	I	Touch pad remove and fix combo display remove and fix, display gloss in combos remove and practice
	II	Practical of the above session
	III	Software secret code – Infinity best , IMEI repair solution through internet
	IV	
19	I	Describe About Mobile Operating System of I-Phone, Blackberry, Microsoft, Samsung Android Phone, Features of Smart Phones, Identify of I-Phones
	II	
	III	GPRS System & Wi-Fi System
	IV	Practical of the above sessions
20	I	Introduction to personal computers, Software features like downloading thru Bluetooth, data backup etc. Connecting Mobile with PC. Introduction of flashing and software upgrades/Official flash file downloading – websites
	II	
	III to IV	Practical of the above sessions
21	I to IV	Software World Class Unlockers, Unlocking Apple-iPhone, ODM Unlockers, Unlock HTC XDA Pocket PC, Samsung Rocker software and other smart phones.
22	I	All software box crack versions, i-phone unlocking Practicals
	II	
	III	Visit to Servicing Units of Successful entrepreneurs
	IV	
23	I to III	Introduction to top Mobile Technology Trends Which Will Rule the mobile technology market, , 3D touch, Wearable Technology, Cloud technology, Streaming Technology.
	IV	E-commerce, Mobile Banking -Payment on-the-go
24	I-IV	Introduction to top Mobile Technology Trends Cross Platform Functionality, Increased Security, Virtual Reality, Psychokinetic Smart phones, Phones Having Foldable Display
25	I	Various Service Providers and their Support – Franchise Scheme etc.,
	II	Software Complaints in Major Brands of Cell Phones & Smart Phones
	III	Hard Reset Codes for Smart Phones & Removing Pattern Locks
	IV	Interaction with the successful entrepreneurs
26	I to II	Where to procure tools, spare parts and accessories, How to deal with customers and distributors. Technical support guidance. Various other technical support websites.
	III & IV	Customer Service & Management
27	I & IV	Free Mobile Service Campaign in their respective areas
28	I	Costing, pricing – Fixed Cost- Variable Cost, Breakeven point etc.
	II	Marketing Management
	III & IV	Boat Game – Systematic Planning, Concern for Quality & Efficiency Orientation
29	I & II	Banking–Deposits & advances, lending schemes/Government schemes
	III	Business plan/Project report preparation

	IV	Maintenance of records & book keeping – Methodology
30	I	Human Relations
	II	Launching Formalities – Pitfalls in Self Employment & their Control
	III	Final Evaluation Test
	IV	Feedback, Evaluation & Valedictory