Smart Phone Repair Course Outline

Module 1: Introduction to Smart Phone Repair

* Types of Smart Phone
* Features of Smart Phone Repair
* Benefits of Device Repair
* Non-Removable Battery
* Mobiles with Wireless Charging

Module 2: Replacing Broken Glass Digitisers

* Digitisers
* Replacing the Broken Glass Digitisers

Module 3: Replacing Broken LCD

* Smart Phone Repairing Tools
* How to Desolder and Remove the Display of a Mobile Phone?

Module 4: Repairing the Data Port

* Replacing Data Ports

Module 5: Power and Charging Issues

* Power and Charging Issues with Removable Battery Devices

Module 6: Headphone Jack Replacement

* Steps for Replacing Headphone Jack

Module 7: Replacing the Wi-Fi Flex Cable

* Steps to Replace the Wi-Fi Flex Cable

Module 8: Unlocking Solutions

* Why could your Mobile be Locked?
* Unlock a Mobile Phone

Module 9: Changing the Home Button or Ear Speaker?

* Changing the Home Button of a Smartphone
* Changing the Ear Speaker of a Smartphone

Module 10: Understand Unlocking Solutions

* Why Could Your Mobile be Locked?
* Steps to Unlock a Mobile Phone

Module 11: Understand GSM, CDMA, 3G, 4G Network Concept and Structure

* GSM Channels
* GSM Architecture
* Overview of CDMA
* Overview of the 3G and 4G Network
* Advantages of 4G LTE Network
* Overview of the 5G Network
* Pillars of 5G
* 5G Architecture

Module 12: ESN, IMEI, and SIM Relationships, Theory and Concept

* What is ESN?
* Overview of IMEI
* Overview of the SIM
* Different Types of SIM Cards

Module 13: Physical and Liquid Damage Detection on PCB Boards

* Physical and Liquid Damage Detection on PCB Boards
* PCB Challenges

Module 14: Data Transfer and Recovery

* Methods of Data Transfer and Recovery from Smartphones

Module 15: Taking Carrier Locks Off GSM Phones

* Carrier Locks
* Carriers Unlocking Procedure of Samsung

Module 16: BGA Controller Chip Structure and Design

* BGA Controller Chip Structure and Design overview

**Fridge & Aircondition Repairing**

**AIR CONDITION(Window, Split, floor standing, casset)**

Mechanical Diagram

Electrical Diagram

Compressor Repairing

Brazing

Servicing

Repairing

Vacuuming

Gas Charging/ Installation

**REFRIGERATOR (Single door, double door)**

Mechanical Diagram

Electrical Diagram

Compressor Repairing

Brazing

Servicing

Repairing

Vacuuming

Gas Charging/ Installation

**Deep Freezer**

Mechanical Diagram

Electrical Diagram

Compressor Repairing

Brazing

Servicing

Repairing

Vacuuming

Gas Charging

Installation

**COLD ROOM**

Installation of Cold Room Foam Panel.

Installation of Outdoor and Indoor Unit.

Servicing of Evaporator Unit and Condenser Unit.

Maintenance and Trouble Shooting of Condensing unit and Refrigerator unit.

Programming of Control Panel.

**Computer Hardware**

MODULE ১: Introduction to Computers, Systems, and Peripherals

MODULE ২: Operating Systems Concept (DOS, WINDOWS, LINUX)

MODULE ৩: Boolean Algebra, Logic Circuits, Hardware Components, and ICs

MODULE ৪: Memory System and Management

MODULE ৫: Hard Disk Maintenance and Installations

MODULE ৬: Video Adapter and Display System

MODULE ৭: Power System and Power Protection

MODULE ৮: Peripheral devices

MODULE ৯: Computer Networks, Communication Methods, and Modems

MODULE ১০: Multimedia Techniques

MODULE ১১: Trouble-shooting and Maintenance Procedures

MODULE ১২: Diagnostic Software and Virus Protection

MODULE ১৩: Trouble-shooting and Maintenance Procedures

**Electrical Wiring**

Discuss the significance of electrical trade in today's times

Describe the basic electrical wiring system in residential, commercial, industrial projects

State the hazards involved in working with electric power

List the various types of electrical device boxes used by electricians

Explain the uses of electrical test equipment

Summarize what is meant by electrical current, power, voltage, resistance, circuits

Identify the plans and drawings included in electrical drawings

Explain the uses of electrical test equipment such as ammeter, galvanometer, voltmeter, ohmmeter, multimeter

**Beauty Parlour Training**

* Facial Massage
* Hair Structure, shampooing/ Deep conditioning
* Head massage
* Temporary removal of superfluous hair
* Eyebrow shaping, Bleaching
* Basic pedicure & Manicure
* Herbal Beauty care
* thermal hair styling, haircut, Electrology, chemical jobs
* Make-up techniques
* Saree & Dupatta draping
* Nail art
* Salon Management and many more
* Skin Anatomy, Types, and condition of different skins, Skin analysis, skin problems
* Hair Anatomy, different Hair types, Hair and scalp analysis
* Practice of work with better hygiene and safety management

**Cinematic Video Editing Course**

* Basic of Adobe Premiere Pro
* Basic Project
* Video Export & Conversion
* Video Cutting & Transition
* Slow Motion & Reverse Video Editing
* Video Masking
* Uses of Stabilization & Overlay
* Key Frame
* Adjustment Layer
* Advanced Text Animation
* Magic of Audio Editing
* Sound Effect & Sound Correction Technique
* Color Correction
* Color Grading
* Advanced Green Screen Editing
* Shortcut & Keyboard Preference
* Basic Editing
* Professional Editing
* Master Editing

**Motion Graphics**

* Keyboard & Mouse Overlay
* Interface of After Effects
* Exploring the Interface Deeply
* Exploring the Tools
* Setting up Your Preferences
* Keyboard Shortcuts
* Some Useful Terms
* Resolution and Frame Rate
* Video Codec and Container
* Some Basics of Design
* Some Video Editing Basics
* Video: Import and Organize Footage
* Composition and Layers
* Using Layers
* Using Keyframes
* Talking about Graph Editor
* Talking about Effects
* Anchor Point
* Pre-compose
* Using Mask
* Using Track Matte
* Render Your Footage
* Render Transparent Video
* Built in Text Animation
* Some Color Effects
* Fire & Light Leaks Preset
* Long Shadow & Wiggle Preset
* Transition Effects
* Save Presets
* Some useful Expressions
* Introducing 3D
* Unified Camera Tool
* One Node and Two Node Camera
* Simple 3D Logo Animation
* Modern Text Animation
* Logo animation project
* Graph Animation
* UI Animation
* Rotoscoping Footage
* Track Footage
* Script vs Expressions vs Plugins
* Flow
* Career Opportunity in Motion Design
* Import Photoshop File
* Import Illustrator File
* Using Copyright Free Assets
* Speed Up of your After Effects
* Speed Up your workflow using FX Console
* Bits Per Channel
* Render Your Project
* Render with Media Encoder
* Render Transparent Video
* Render GIF using Photoshop
* Archiving your project

**3D Animation**

* Storyboarding
* 3D Product Modeling
* Character Modeling
* UV Mapping
* Product Animation
* Materials & Texturing
* Lighting And Shading
* 12 Principals Of Animation
* 3D Character Animation
* Rendering
* Compositing
* Editing
* Rigging