

Course Name	COMPUTER HARDWARE ASSEMBLING WITH INTERNET, NETWORKING, MULTIMEDIA AND ADVANCED TECHNOLOGY
Duration	5 weeks (50 hrs)
Mode of Training & course Fees	Online: 2000/- (GST Extra or as applicable)
	Offline: Rs. 3000/- (GST Extra or as applicable)
Eligibility	S.S.C. appeared and above
Contact Person	Amol Loke: (Mob): 8169513741
<p>There is extensive use of computers in colleges, schools, organizations, hospitals, banks, etc. Professionals with hardware and networking skills are highly demanded now days due to the growing use of computers. Computer Hardware assembling & maintenance course gives all details about the assembling of computer, networking, technical knowledge, up gradation, maintenance and troubleshooting.</p>	

Weeks	Description
1 st	<ul style="list-style-type: none"> • Introduction & Definition of Computer, Block Diagram of computer, History and Generation of computers, Memory -Bits, Bytes, KB, MB, GB,TB, Etc • Computer Software, Types of Software with System/Application/Utility S/W) • Computer Hardware, Intro. to Hardware components of computer • Tools and Equipments: Tools and equipments like brush, screw driver, air blower, voltage tester and pliers required for servicing computer. • Components and its parts: Identifying the Important Hardware Components of PC. i.e., CPU, Motherboard, RAM, HDD, ODD, SMPS, K/B, Mouse, Monitor, LAN card, SOUND card, WIFI card etc • Functions of above said components. About AC and DC • Types processor (Intel/AMD) & technologies like Clock speed, Bus speed, Chache memory, , core technologies, Core series (i3,i5,i7), To explain about PGA and BGA and LGA Model processors, Pins/Sockets • Motherboard Compatibility with CPU's, Chipsets and Brands, • What is Chipset, what is FSB, What is Bus, CPU Sockets, Interface Ports used to connect different Peripherals • I/O Ports (PS/2, Serial, Parallel, USB, VGA, HDMI, Audio, Ethernet, etc.) Identifying Expansion Slots (PCI, AGP etc.), Power Form Factor. • Introduction to RAM (EDO, NON-EDO, SD, RD, DDR, DDR2, DDR3,

Weeks	Description
	<p>DDR4)</p> <p>Introduction to HDD, • Types of HDD, • Functioning of HDD, Interface Types (IDE or PATA, SATA), IDE Jumper Settings (Primary/Secondary), (Master/Slave/Cable Select). • Installing and Configuring a New HDD</p> <p>Types of Optical Drives - ROM/Writer, Difference between CD and DVD, Burning CD/DVD's using multiple Burning Tools, i.e, Nero,</p> <p>Types of Mouse (Ball Mouse, Optical Mouse, Trackball), Mouse Interfaces (Serial, PS/2, USB, Cordless), Mouse Problems and Troubleshooting, Types of Keyboard • Keyboard Interfaces (PS/2, USB, Cordless), • Keyboard Problems and Troubleshooting, Types of Monitors (CRT/LCD/LED), Types of Printer (Dot Matrix, Inkjet, Laser, , All-in-One Printers, etc.),</p> <p>Types of Scanner (Handheld, Flatbed, Sheet feed, Portable Scanners). Interface Cables, Ports & Connectors. (T4 +P 6)</p>
2 nd	<p>Assembling and disassembling PCs:</p> <p>• Assembling and Disassembling a PC, Precautions to be taken while assembling the PC, Up gradation of PC (T2 + P8)</p>
3 rd	<p>Introduction to BIOS / CMOS Setup, POST (Power On Self Test) Demonstration of BIOS/CMOS Configuration (Date, Time, Enable/Disable Devices). • Dual BIOS Feature • BIOS/CMOS Setup, Booting Sequence/Boot Order</p> <p>Introduction to Operating System– MS Dos, Windows 9x/XP/Vista/7/8, Linux, MAC OS, Android etc. • Win XP/Win 7 etc installation. Dual Booting, Activation and Automatic Updating procedures, Partitioning of Hard Drive - Primary, Extended, Logical partitions using Partition Tools, formatting, Disk Imaging. VMware</p> <p>Device Driver Installation :Display, Sound, LAN, Printer, Scanner, Web camera etc, Software installation like Office Automation, DTP Softwares, Tools, Utilities etc. (shareware software). Uninstalling Applications</p> <p>What is a Virus? How Virus Attacks a Computer • Types of Viruses (Boot Sector Virus, Partition Virus, File Virus, Trojans, Etc.) • Malwares, Adwares, Spywares, Phishing Attacks, etc. Prevention and Curing Virus and Spywares. Antivirus, Internet Security Tools, Updates etc.</p> <p>Computer Management: Disk Management, Defragmentation, • Services and Applications, • Local Users and Groups, • Advanced System Settings, •</p>

Weeks	Description
	<p>Device Manager, Task Manager, Windows Registry.</p> <p>Demonstrating Windows Diagnostic Tools, System Restore, Creating Restore point, Restore using Restore point, etc. (T3 + P7)</p>
4 th	<p>Introduction to Networking, Types of Networking, Hardware for Networking</p> <ul style="list-style-type: none"> • Crimping RJ45 Connectors • Introduction to windows networking • Data Sharing, Printer Sharing, Internet sharing. • Remote Desktop Connection • Creating Shared Folders for each user, Assigning Access Rights etc, <p>Wireless Networking (T2 + P8)</p>
5 th	<p>Trouble Shooting Basics / Trouble shooting file sharing problems • Trouble shooting – RAM • Trouble shooting power supply / Trouble shooting HDD • Trouble shooting SMPS fan / Trouble shooting CPU fan • Trouble shooting monitor / mouse / key board • Trouble shooting optical drives / Trouble shooting networking • Trouble shooting operating system etc</p> <p>Introduction to Internet, Uses of Internet, Working on Internet using various browsers like IE, Chrome, Firefox, Opera, etc. Explaining URL, HTTP, HTTPS, etc. Clearing Browser Cache. • Creating Mail ID's, Send / Receive Mails, Introduction to Wireless Data Cards and 3G/4G Wi-Fi Dongles. Video conferencing, TV Tuner & VHS to VCD installation</p> <p>Information about GST no, service center, Warranty support, Computer dealer (T2 + P8)</p>

Course Name	LAPTOP ASSEMBLY TECHNOLOGY, TROUBLE SHOOTING & MAINTENANCE
Duration	5 weeks (50 hrs)
Mode of Training & course Fees	Online: 4500/- (GST Extra or as applicable)
	Offline: Rs. 6500/- (GST Extra or as applicable)
Eligibility	S.S.C. appeared and above
Contact Person	Amol Loke: (Mob): 8169513741
<p>Laptop is necessity in today's technological and creative world. A large number of laptop are getting repaired in present days. There is a shortage of expert technician in this field as well as the demand is increasing every day so laptop repairing courses may assurance a stable source of earning. This laptop repairing course gives all details about the technical knowledge, up gradation and maintenance of all types of laptops. The laptop repairing course helps you to get better job placement in the field of Information technology.</p>	

Weeks	Description
1 st	<ul style="list-style-type: none"> • Introduction to Laptop • Laptop Software, Types of Software with System/Application/Utility S/W • Tools and Equipments: Tools and equipments like brush, screw driver, opener, air blower, voltage tester and pliers required for servicing computer. <ul style="list-style-type: none"> ➤ <u>Front Panel of Laptop</u>: Web Camera, Power Button, Keyboard, Touchpad, Wireless- Bluetooth switch, functioning of different Keys, Different Indicators etc. ➤ <u>Back Panel of Laptop</u>: Battery Release Latch, Battery Pack, Hard Disk Cover, Memory MODULE cover, CPU Cover etc. ➤ <u>Ports</u>: VGA, HDMI, USB, AUDIO, LAN etc ➤ <u>Laptop Accessories</u>: Webcam, Cooling pad, External fan, External storage devices, Screen protector, External Bluetooth • Components and its parts: Identifying the Important Hardware Components of Laptop. i.e., CPU, Motherboard, RAM, HDD, ODD, K/B, Touch pad, External Mouse, LED Screen ,Monitor, LAN card USB, SOUND card USB, WIFI card etc • Functions of above said components.

Weeks	Description
	<ul style="list-style-type: none"> • Types processor (Intel/AMD) & technologies like Clock speed, Bus speed, Chache memory, core technologies, Core series (i3,i5,i7), • Motherboard Compatibility with CPU's, Chipsets • What is Chipset, what is FSB, What is Bus, CPU Sockets, Interface Ports used to connect different Peripherals • USB, VGA, HDMI, Audio, Ethernet, etc.) • Introduction to RAM (SD, DDR, DDR2, DDR3, DDR4) <p>Introduction to HDD, • Types of HDD, • Functioning of HDD, Interface Types (IDE or PATA, SATA), • Installing and Configuring a New HDD</p> <p>Types of Optical Drives - ROM/Writer, Difference between CD and DVD, Burning CD/DVD's using multiple Burning Tools, i.e, Nero, External DVD writer (T4 + P6)</p>
2 nd & 3 rd	<p>Assembly and disassembly Laptops:</p> <ul style="list-style-type: none"> • Precautions to be taken while Assembly and disassembly Laptops: • Replacement of Laptop HDD, DVD Wrier, RAM, Key pad, Touch pad, LCD/LED screen, Display cable, camera, Hinges, batteries etc <p>Up gradation of Laptop (T4 + P16)</p>
4 th	<p>Introduction to BIOS / CMOS Setup, POST (Power On Self Test) Demonstration of BIOS/CMOS Configuration (Date, Time, Enable/Disable Devices). • Dual BIOS Feature • BIOS/CMOS Setup, Booting Sequence/Boot Order</p> <p>Introduction to Operating System– MS Dos, Windows XP/Vista/7/8, Linux, MAC OS, Android etc. • Win XP/Win 7 etc installation. Dual Booting, Activation and Automatic Updating procedures, Partitioning of Hard Drive - Primary, Extended, Logical partitions using Partition Tools, formatting, Disk Imaging, VMware</p> <p>Device Driver Installation :Display, Sound, LAN, WIFI, Printer, Scanner, Web camera etc, Software installation like Office Automation, DTP Softwares, Tools, Utilities, Antivirus etc. (shareware software). Uninstalling Applications</p> <p>What is a Virus? How Virus Attacks a Computer • Types of Viruses (Boot Sector Virus, Partition Virus, File Virus, Trojans, Etc.) • Malwares, Adwares, Spywares, Phishing Attacks, etc. Prevention and Curing Virus and Spywares. Antivirus, Internet Security Tools, Updates etc.</p>

Weeks	Description
	<p>Laptop Management: Disk Management, Defragmentation, • Services and Applications, • Device Manager, Task Manager, Windows Registry.</p> <p>Demonstrating Windows Diagnostic Tools, System Restore, Creating Restore point, Restore using Restore point, Laptop Recovery Disk creation & restore etc. (T2 + P8)</p>
5 th	<p>Trouble Shooting Basics • Trouble shooting – RAM • Trouble shooting power supply / Trouble shooting HDD • Trouble shooting CPU fan • Trouble shooting Led screen /Touch pad / key pad • Trouble shooting optical drives / Trouble shooting operating system etc</p> <p>Introduction to Wireless Data Cards and 3G/4G Wi-Fi Dongles. Video conferencing, TV Tuner installation. (T2 + P8)</p> <p>Information about GST no, service center, Warranty support, Laptop dealer</p>

Course Name	SECURITY CAMERA AND DEVICES INSTALLATION
Duration	5 weeks (50 hrs)
Mode of Training & course Fees	Online: 3000/- (GST Extra or as applicable)
	Offline: Rs. 4000/- (GST Extra or as applicable)
Eligibility	S.S.C. appeared and above
Contact Person	Amol Loke: (Mob): 8169513741
<p>In today's world security cameras have become essential part of our day to day life. As large number of cameras are installed at society premises, traffic signals, bus stands, railway stations, offices etc. CCTV Installations & Operations, which consist of directing, coordinating, planning, designing, operating, installing, troubleshooting and routine maintenance of video surveillance cameras and systems connected with project specification. After completion of this course there is huge scope in this sector as Installation Engineers, Service Engineers, Customer Support Engineers Project Engineers, Project Managers, Sales Managers, Starting own entrepreneurial business ventures.</p>	

Weeks	Description
	<ul style="list-style-type: none"> • Introduction to CCTV camera. Understand the surveillance system, Explain the facts of video surveillance. • Explain and construct various nodes of CCTV surveillance system. • Various types of camera and their functionality. • Reassembling the camera & exam the parts of camera to understand their mechanism. • Different types of lens and their utility, Differentiate & select the best camera from the same group depending on the image quality being measured by TVL chart. Etc • Tools and Equipments: like brush, screw driver, air blower, voltage tester and CCTV tester, RJ 45 connectors, LAN tester, PC or Laptop, TV, Crimping tool, CCTV housing, Racks, switch, router etc. • Different types of CCTV cables, SMPS & connectors. (T3 + P7)
2 nd & 3 rd	<ul style="list-style-type: none"> • Introduction to DVR & NVR. Different types of DVR & NVR & its applications. Front and back panel of DVR/NVR. HDD installation, Connection of all the components to DVR, How to configure DVR. Explain the function of various blocks of DVR. Configuration of DVR system.

Weeks	Description
	<ul style="list-style-type: none"> • DVR as interface to view and record the image transmitted by a camera. • Understand the recording format of a DVR. • Enabling and disabling the features of a DVR depending on the level of surveillance and customer requirement. • How to install CCTV camera, the height of camera installation according to the end purpose, How to attach cable to connector, How to connect the power and video output cable to the camera. How to connect mic. Use of housing, IP camera installation (Wireless and Wired IP), PTZ & Joystick installation. - • Accessing, setting and troubleshooting basic DVR problems, DVR update (T2 + P8)
4 th	<ul style="list-style-type: none"> • Audio-video data Play back, • Types of recording Schedule, Manual, Motion detect • Data backup to pen drive, Data backup by computer • Date & time setting, Color adjustment setting • Online connected machine check, disconnect <p>NETWORKING</p> <ul style="list-style-type: none"> • Introduce to IP And Protocols • Introduce to Network Devices • Introduce to Network Connectors • Introduce to Network Cables & Color Codes • CCTV/ DVR On The Internet • Backup From Server (DVR)To PC • Network PING • Port Forwarding • Port Block Check • WiFi Networking Setup • LAN Networking Setup • DNS - Static Networking Setup • Network Accessing From Remote • Network Accessing From IP • Remote Viewing Tools etc • Configuration From Remote • Android and ipad online viewing etc (T2 + P8)
5th	<p>TROUBLESHOOTING</p> <ul style="list-style-type: none"> • IP And Protocols fault finding

Weeks	Description
	<ul style="list-style-type: none"> • Connector fault finding • Data fault finding • Power fault finding • CCTV fault finding • DVR fault finding • Data Recording Errors • Cable Tracing • Signals Fault Finding • Resolution Issue • Network Port Check, etc <p>BUSSINESS CONCEPT Importance Of Marketing Quotation Making (T2 + P8)</p> <ul style="list-style-type: none"> • Information about GST no, service center, Warranty support, Computer dealer & Govt. scheme

Course Name	PRINTER REPAIRING & MAINTENANCE
Duration	5 weeks (50 hrs)
Mode of Training & course Fees	Online: 4500/- (GST Extra or as applicable)
	Offline: Rs. 6500/- (GST Extra or as applicable)
Eligibility	S.S.C. appeared and above
Contact Person	Amol Loke: (Mob): 8169513741
<p>Printers are being used in various places such as – schools, offices, hotels, hospitals, Government offices, printing press etc. Wherever paper work is involved, printers are almost used. Printers are used for different purposes. They are used for both domestic and commercial purposes. After completing this course, you will be able to identify problems arising in printers, troubleshooting, installing printer system etc. After completing this course, you will be able to find job at establishments such as – printer service centers, printing press, publication agencies, computer repair centers, electronics shops etc.</p>	

Weeks	Description
1 st	What is printer and it's use? How many types of Printers Printer driver installation Toner & cartridge refilling Basic electronics (T2 + P8)
2 nd	Desk Jet and Inkjet Printer function Parts of inkjet printers. How to assemble and disassemble different types inkjet printers (HP, Canon, Epson) (T2 + P8)
3 rd	Inkjet Printer Parts Identification and printer troubleshooting Faults of inkjet and desk jet printers Inkjet printers fault solutions. Logic card fault of inkjet and repairing solutions. Inkjet Printer power supply and solutions of faults. (T2 + P8)
4 th	Function of Laser Printers LaserJet printers parts and Identification. How to assemble and disassemble different types inkjet printers (HP, Canon, Epson) (T2 + P8)
5 th	Logic card block diagram concept of Laser printer. Laser printer logic card faults and solutions. Common fault of laser jet printers. Repairing solution of all types of faults Introduction of PCB Concept and Control Unit. About laser jet power unit and Lens assembly. Replacement of logic card (T2 + P8) Information about GST no, service center, Warranty support, Computer dealer

Course Name	C & C++
Duration	7weeks (70 hrs)
Mode of Training & course Fees	Online: 3000/- (GST Extra or as applicable) (Desktop/Laptop necessary)
	Offline: Rs. 4000/- (GST Extra or as applicable)
Eligibility	S.S.C. appeared and above
Contact Person	Amol Loke: (Mob): 8169513741
C++ is one of the most popular languages in the world. You can build software for all platforms, from backend to desktop to mobile. After the completion of this program, students can get different jobs of diverse profiles such as Software Developer, Software Analyst, Programmer, Engineer etc.	

Weeks	Description
1 st	Programming In C: <ul style="list-style-type: none"> ➤ Introductory Concepts: <ul style="list-style-type: none"> • Getting Started with C • Types of C Constants, Operators, Variables & C Instructions • Compilation & Execution of Program ➤ C Fundamentals & Control Statements: <ul style="list-style-type: none"> • Decision Control Structure • Loop Control Structure • Case Control Structure (T3 + P7)
2 nd	<ul style="list-style-type: none"> ➤ Data Input & Output, Functions: <ul style="list-style-type: none"> • Data Organization • What is Function, Passing Values between the function etc. • Calling Convention • Features of Function (T3 + P7)
3 rd	<ul style="list-style-type: none"> ➤ Arrays, Strings & Pointers: <ul style="list-style-type: none"> • What are Arrays, Strings & Pointers & differences between them • Array Initialization & Passing Array Elements to a function Pointers & Arrays etc. • Two Dimensional Array etc. (T2 + P8)
4 th	<ul style="list-style-type: none"> ➤ Structures & Unions: <ul style="list-style-type: none"> • Use of Structures & Declaring Structure etc. • Array of Structure • The Union Tag, Processing & Initialization of Unions etc. (T2 + P8)
5 th	Programming In C++:

Weeks	Description
	<ul style="list-style-type: none"> ➤ Difference in coding between C & C++ <ul style="list-style-type: none"> • Writing Program in C++ ➤ Classes & Objects: <ul style="list-style-type: none"> • Declaration of Classes & Objects, Member Function etc. (T2 + P8)
6 th	<ul style="list-style-type: none"> ➤ Inheritance: <ul style="list-style-type: none"> • Single Inheritance • Types of Base Classes & Types of Derivations etc. • Member Class Control etc. ➤ Overloading: <ul style="list-style-type: none"> • Function Overloading • Operator Overloading • Overloading of Binary & Unary Operators etc. (T2 + P8)
7 th	<ul style="list-style-type: none"> ➤ Polymorphism: <ul style="list-style-type: none"> • What is Polymorphism, Early Binding etc. • Virtual Functions • Late Binding & Early Binding • Pure Virtual Binding • Constructors & Destructors under Inheritance etc. (T2 + P8)

Course Name	WEB DESIGNING
Duration	5 weeks (50 hrs)
Mode of Training & course Fees	Online: 3000/- (GST Extra or as applicable) (Desktop/Laptop necessary)
	Offline: Rs. 4000/- (GST Extra or as applicable)
Eligibility	S.S.C. appeared and above
Contact Person	Amol Loke: (Mob): 8169513741
<p>Every business is now conducted globally using the web. In this digital world, the online presence on the web is very important for every organization to advertise, promote and sell their products and services to worldwide user. Web designing is an integral part of today's IT sector. Web designing is used for the creation and planning of websites. In this course you will be learning about the basic of web designing and online business. After completing your web designing course, you can work in a web designing company or you can work as a freelancer. There are thousands of companies that hire web developer for their front end and back end web development projects. Also you can work independently as a web designer and setup your own enterprise. Job areas: IT Companies, Advertising agencies, Audio- Visual Media Agencies, publishing houses, marketing firms, Institutions, Design studios</p>	

Weeks	Description
1 st	1. HTML <ul style="list-style-type: none"> ➤ Introduction to the World Wide Web/ Web Standards/ Browsers ➤ Introduction To HTML ➤ Different Tags <ul style="list-style-type: none"> • Block Level Tags/ Text Level Tags ➤ Basic Designing <ul style="list-style-type: none"> • Links • Lists • Tables & Frames • Image Mapping: Usemap & Ismap ➤ Form Creation (T2 + P8)
2 nd	2. JAVA SCRIPT <ul style="list-style-type: none"> ➤ Introduction to Java script ➤ Adding Script ➤ Data Type & Variables ➤ Defining A Function, Calling The Function ➤ Operators: <ul style="list-style-type: none"> • Conditional & Logical Operators • Assignment & Comparison ➤ Working with Objects: Documents & String ➤ Handling Events

Weeks	Description
	<ul style="list-style-type: none"> ➤ Adding Statement ➤ If Condition ➤ For Loops (T2 + P8)
3 rd	3. DHTML <ul style="list-style-type: none"> ➤ Introduction To DHTML ➤ Creating Dynamic Pages on client side using JS ➤ Image Maps ➤ Concept Of style Sheets ➤ Working with Frames ➤ Using Rollovers, Form (T2 + P8)
4 th	4. CSS: Concept <ul style="list-style-type: none"> ➤ Usefulness of Style Sheets ➤ Creating Style sheets ➤ Common Tasks with CSS ➤ Properties, Classes and Pseudo Classes ➤ CSS Tag (T2 + P8)
5 th	5. WEB SITE HOSTING: <ul style="list-style-type: none"> ➤ Introduction ➤ Uploading the Website on the Web Server ➤ Hosting a Website on a Web Server ➤ Maintenance & Operatibility (T2 + P8)

Course Name	Advanced Excel
Duration	5 weeks (50 hrs)
Mode of Training & course Fees	Online: 3000/- (GST Extra or as applicable) (Desktop/ Laptop necessary)
	Offline: Rs. 4000/- (GST Extra or as applicable)
Eligibility	S.S.C. appeared and above
Contact Person	Amol Loke: (Mob): 8169513741
<p>Excel is the software which allows users to work on large database and provides users with the ability to calculate, organize, and evaluate quantitative data, preparing reports of the same and allowing managers and senior staff to have the information they need to make important decisions that can affect the company. Thus excel plays a vital role in data analysis. Having knowledge of advance excel gives instant opportunity in any companies which deals with database management, Call centers, KPOs, Banks etc.</p>	

Weeks	Description
1 st	<p>Overview of the Basics of Excel</p> <ul style="list-style-type: none"> • Customizing common options in Excel • Absolute and relative cells • Protecting and un-protecting worksheets and cells <p>Working with Functions</p> <ul style="list-style-type: none"> • Writing conditional expressions (using IF) • Using logical functions (AND, OR, NOT) • Using lookup and reference functions (VLOOKUP, HLOOKUP, MATCH, INDEX) • VlookUP with Exact Match, Approximate Match • Nested VlookUP with Exact Match • VlookUP with Tables, Dynamic Ranges • Nested VlookUP with Exact Match • Using VLookUP to consolidate Data from Multiple Sheets (T2 + P8)
2 nd	<p>Data Validations</p> <ul style="list-style-type: none"> • Specifying a valid range of values for a cell • Specifying a list of valid values for a cell • Specifying custom validations based on formula for a cell <p>Working with Templates</p> <ul style="list-style-type: none"> • Designing the structure of a template

Weeks	Description
	<ul style="list-style-type: none"> Using templates for standardization of worksheets <p>Sorting and Filtering Data</p> <ul style="list-style-type: none"> Sorting tables Using multiple-level sorting Using custom sorting Filtering data for selected view (AutoFilter) Using advanced filter options (T2 + P8)
3 rd	<p>Working with Reports</p> <ul style="list-style-type: none"> Creating subtotals Multiple-level subtotals <p>Creating Pivot tables</p> <ul style="list-style-type: none"> Formatting and customizing Pivot tables Using advanced options of Pivot tables Pivot charts Consolidating data from multiple sheets and files using Pivot tables Using external data sources Using data consolidation feature to consolidate data Viewing Subtotal under Pivot (T2 + P8)
4 th	<p>More Functions</p> <ul style="list-style-type: none"> Date and time functions Text functions Database functions Power Functions (CountIf, CountIFS, SumIF, SumIFS) <p>Formatting</p> <ul style="list-style-type: none"> Using auto formatting option for worksheets Using conditional formatting option for rows, columns and cells <p>WhatIf Analysis</p> <ul style="list-style-type: none"> Goal Seek Data Tables Scenario Manager (T2 + P8)

Weeks	Description
5 th	<p>Charts</p> <ul style="list-style-type: none"> • Using Charts • Formatting Charts • Using 3D Graphs • Using Bar and Line Chart together • Using Secondary Axis in Graphs • Sharing Charts with PowerPoint / MS Word, Dynamically • (Data Modified in Excel, Chart would automatically get updated) <p>New Features Of Excel</p> <ul style="list-style-type: none"> • Sparklines, Inline Charts, data Charts • Overview of all the new features (T2 + P8)

Course Name	DESKTOP MOTHERBOARD REPAIRING TECHNOLOGY ON CHIP LEVEL & TROUBLESHOOTING
Duration	5 weeks (50 hrs)
Mode of Training & course Fees	Online: 10000/- (GST Extra or as applicable)
	Offline: Rs. 10000/- (GST Extra or as applicable)
Eligibility	S.S.C. appeared and above
Contact Person	Amol Loke: (Mob): 8169513741
This course covers repairs and servicing of different types of motherboards. After completion of this course student can make career either by working as a technician or they can start their own motherboard repair business.	

Weeks	Description
1 st	<p>INTRODUCTION TO MOTHERBOARD, TYPES & FUNCTIONS</p> <ul style="list-style-type: none"> ➤ Features & Functions of Motherboard Basic Electronics (T2 + P8)
2 nd & 3 rd	<p>TOOLS USED FOR MOTHERBOARD REPAIRING & DEMONSTRATION:</p> <ul style="list-style-type: none"> ➤ Magnifying Lamp ➤ Opening Kits and etc. ➤ Different types of Motherboards (Desktop) ➤ Motherboard parts ➤ Hot Air Gun, Soldering Stations ➤ Rework Station ➤ Soldering De-Soldering kit ➤ Cleaning Machines ➤ Different types of Soldering irons ➤ Soldering paste & flux ➤ Multimeter ➤ BIOS writer device ➤ Laptop & Computers ➤ Latest fault finding equipments <p>Repairing Steps & Repairing Tips</p> <ul style="list-style-type: none"> • C.R.O (Cathode Ray Oscilloscope), Operating of C.R.O & Troubleshooting by C.R.O. • Fault finding of Motherboard all sections through testing flow chart and use of debugger card .(Fault Diagnose through this card coding) • CMOS set up utility & Controlling option of set up & on Board BIOS Programming and updating • Introduction of BGA, Operating of BGA Machine • Rebolling of IC's through BGA Machine (T4 + P16)

Weeks	Description
4 th	<ul style="list-style-type: none"> • Block diagram of different Motherboard, all sections working & Description • Description of slot parts & Identification • Block diagram & Working of VRM Section (Voltage Regulator Module) • Working of circuit diagram VRM Section & all internal sections (Output current sense stage, Input Volt sense stage, Five bit Programmable stage), Testing & Fault finding of VRM Section. • Volt in section • Step down section • Ram section • Battery section • Lan section • Sound section • Usb section • Vga section • Odd section & Fan section • Keyboard section • Sata section etc. (T2 + P8)
5th	<ul style="list-style-type: none"> • Clock Generator section (Working of Clock generator section & Testing). • Description of BIOS Section (Working & Fault finding of BIOS) • I/O Controller section (Working of I/O & Description of all internal section :-FDC Interface stage, Keyboard interface stage, LPC interface stage, Multimode parallel stage, Input Output Port) Complete working. • Stand by section & RTC Section working and testing. <p>Soldering & D-Soldering of chip components By SMD, Iron & Hotgun.</p> <p>Troubleshooting & maintenances (T2 + P8)</p>

Course Name	LAPTOP MOTHERBOARD REPAIRING TECHNOLOGY ON CHIP LEVEL & TROUBLESHOOTING
Duration	5 weeks (50 hrs)
Mode of Training & course Fees	Online: 10000/- (GST Extra or as applicable)
	Offline: Rs. 10000/- (GST Extra or as applicable)
Eligibility	S.S.C. appeared and above
Contact Person	Amol Loke: (Mob): 8169513741
There is a shortage of expert technician in this field as well as the demand is increasing every day. This laptop Motherboard repairing course gives all comprehensive details about the technical knowledge and all about repairing different types of laptop motherboard.	

Weeks	Description
1 st	<p>INTRODUCTION TO LAPTOP MOTHERBOARD, TYPES & FUNCTIONS</p> <ul style="list-style-type: none"> ➤ Features & Functions of Motherboard Basic Electronics (T2 + P8)
2 nd & 3 rd	<p>TOOLS USED FOR MOTHERBOARD REPAIRING & DEMONSTRATION:</p> <ul style="list-style-type: none"> ➤ Magnifying Lamp ➤ Opening Kits and etc. ➤ Different types of Motherboards (Laptop) ➤ Motherboard parts ➤ Hot Air Gun, Soldering Stations ➤ Rework Station ➤ Soldering De-Soldering kit ➤ Cleaning Machines ➤ Different types of Soldering irons ➤ Soldering paste & flux ➤ Multimeter ➤ BIOS writer device ➤ Laptop & Computers ➤ Latest fault finding equipments <p>Repairing Steps & Repairing Tips</p> <ul style="list-style-type: none"> • C.R.O (Cathode Ray Oscilloscope), Operating of C.R.O & Troubleshooting by C.R.O. • Fault finding of Laptop Motherboard all sections through testing flow chart and use of debugger card .(Fault Diagnose through this card coding) • CMOS set up utility & Controlling option of set up & on Board BIOS Programming and updating

Weeks	Description
	<ul style="list-style-type: none"> • Introduction of BGA, Operating of BGA Machine • Rebolling of IC's through BGA Machine • (T3+ P17)
4 th	<ul style="list-style-type: none"> • Block diagram of different Laptop Motherboard, all sections working & Description • Description of slot parts & Identification • Block diagram & Working of VRM Section (Voltage Regulator Module) • Working of circuit diagram VRM Section & all internal sections (Output current sense stage, Input Volt sense stage, Five bit Programmable stage), Testing & Fault finding of VRM Section. • Volt in section • Step down section • Ram section • Battery section • Lan section • Sound section • Usb section • Vga section • Odd section & Fan section • Keyboard section & Touch pad • Sata section • Wi-Fi section & Adaptor section etc (T2 + P8)
5 th	<ul style="list-style-type: none"> • Clock Generator section (Working of Clock generator section & Testing). • Description of BIOS Section (Working & Fault finding of BIOS) • I/O Controller section (Working of I/O & Description of all internal section :-FDC Interface stage, Keyboard interface stage, LPC interface stage, Multimode parallel stage, Input Output Port) Complete working. • Stand by section & RTC Section working and testing. <p>Soldering & D-Soldering of chip components By SMD, Iron & Hotgun., Troubleshooting & maintenances (T2 + P8)</p>

Course Name	BIOMETRIC ATTENDANCE MACHINE & SOFTWARE INSTALLATION WITH MAINTENANCE
Duration	5 weeks (50 hrs)
Mode of Training & course Fees	Online: 2500/- (GST Extra or as applicable)
	Offline: Rs. 4000/- (GST Extra or as applicable)
Eligibility	S.S.C. appeared and above
Contact Person	Amol Loke: (Mob): 8169513741
Now a days Biometric systems are installed in public and private sector organizations, schools, colleges etc for record tracking purpose. So there has scope for installation engineers of these devices. Keeping these things in mind his course has designed.	

Weeks	Description
1 st & 2 nd	Introduce to different types of Bio-Metric Machines Bio-Metric Machine Installation (T4 + P16)
3 rd	Bio-Metric Door Access EM Lock Installation (single door access) Attendance Punching & Door opening through finger print Attendance Punching & Door opening through Proximity RFID Attendance Punching & Door opening through Password Attendance Punching & Door opening through Computer (T2 + P8)
4 th	Mode to use a fingerprint only Mode to authenticate with a fingerprint and then enter PIN Mode to use a card only Mode to authenticate with a card and then authenticate with a fingerprint Mode to authenticate with a card and then enter PIN Mode to enter PIN and then authenticate with a fingerprint (T3 + P7)
5 th	Mode to enter PIN and then authenticate with a fingerprint Case study with 5 cases practical (MS Access database module) Complete Attendance management software training All types of Attendance Report generating Report generating in XLS and .pdf DATA backup Networking - Finding & setting - Ping, Port, Device ID, IP, Gateway Bio-Metric Machine connecting in LAN through IP DATA Downloading through LAN Troubleshooting & maintenances Information about GST no, service center, Warranty support, dealer & Govt. scheme (T2 + P8)

Course Name	VIDEO DOOR PHONE- HOME SECURITY SYSTEMS INSTALLATIONS WITH MAINTENANCE
Duration	5 weeks (50 hrs)
Mode of Training & course Fees	Online: 2500/- (GST Extra or as applicable)
	Offline: Rs. 4000/- (GST Extra or as applicable)
Eligibility	S.S.C. appeared and above
Contact Person	Amol Loke: (Mob): 8169513741
Main purpose of installing Video Door Phone - Home security Systems is protect our homes from thieves to protect our valuables whether we are present at home or not, reducing crime or any other mishaps. After learning this course, you are capable to install a Video Door Phone with door access.	

Weeks	Description
1 st & 2 nd	Introduction to Video Door Phone Procure the hardware required for installation Test the hardware before installation Connect the cables Use appropriate tools and equipments for installation Installation of different Types of Video Door Phone Install and setup the indoor and outdoor units. (T4 + P16)
3 rd & 4 th	Camera PCB types, Camera Installation positions Camera angles & degree Introduce to Color Coding Of VDP Wireless installation Power Connection Applying Voice Data Connection Applying Video Data Connection (T4 + P16)
5 th	Applying Display Setting, Cabling concept Extending Indoor & Outdoor Units concept Installation of mobile app for Online view & its various features Data backup Troubleshooting & maintenances Interact with Customer Information about GST no, service center, Warranty support, dealer & Govt. scheme (T2 + P8)

Course Name	MOBILE REPAIRING , TROUBLESHOOTING AND MAINTENANCE
Duration	7 weeks (70 hrs)
Mode of Training & course Fees	Online: 4500/- (GST Extra or as applicable)
	Offline: Rs. 6500/- (GST Extra or as applicable)
Eligibility	S.S.C. appeared and above
Contact Person	Amol Loke: (Mob): 8169513741
<p>Today's generation is completely dependent on mobile phones. With new models of phones launching every week and new mobile brands popping up every now and then. There are many vacancies for mobile repairing technicians especially experienced technicians in both service centers and shops. The course is designed to build up the scope of self-employment in the field of the mobile repairing industry. Smartphone repairing is one of the most valuable and profitable technical careers available in the industry today with the potential of having your own business & become an entrepreneur.</p>	

Weeks	Description
1 st	<p>INTRODUCTION TO MOBILE GSM MOBILE HANDSET, TYPES, FUNCTIONS:</p> <ul style="list-style-type: none"> ➤ Features & Functions of Mobile Handsets ➤ Accessories of Handset, Internal Spare Parts of Handsets <p>INFORMATION ABOUT GSM SERVICE:</p> <ul style="list-style-type: none"> ➤ Single Band Handsets, Dual Band Handsets ➤ Service Provider, Customer Care center, Call charges ➤ Switching Center, Network Tower <p>Basic Electronics (T2 + P8)</p>

Weeks	Description
2 nd & 3 rd	<p>SIM CARD AND FEATURES:</p> <ul style="list-style-type: none"> ➤ Memory, Security, PIN Code, PUK Code ➤ SMS, MMS, WAP, Call Cost, GPRS, 3G (Video Calling) Technology ➤ Call Features, Mobile Phone Manufacturing Companies <p>TOOLS USED FOR MOBILE REPAIRING with practical:</p> <p>Hot Air Gun Soldering Station Rework Station Soldering Lead De-Soldering wire Cleaning Machine Soldering with iron BGA soldering mould Soldering balls Solder paste & flux Multimeter</p> <p>Skills & techniques Replacement of the SMD with Demonstration Replacement of the BGA I.C. with Demonstration</p> <p>Repairing Steps & Repairing Tips Internal Spare Parts, Hardware Problems/ Software Problems (T4 + P16)</p>
4 th & 5 th	<p>ASSEMBLY AND DE-ASSEMBLY OF MOBILES: LG, Samsung, Motorola, Nokia, China Mobile etc. Replacement of different parts of mobile (T4 + P16)</p>
6 th	<p>HARDWARE TROUBLE SHOOTING:</p> <ul style="list-style-type: none"> ➤ Ringer Problems: Low Ring, No Incoming Ring ➤ Vibrator Problems: No Vibration, Weak Vibration ➤ Mic Problems and its replacement ➤ Speaker Problems: Low incoming voice no incoming voice, humming, Disturbance in voice, speaker replacement ➤ Battery Problems: Dead Battery, battery not charging, discharging very fast ➤ Charging related Problems: Charging IC replacement ➤ Display Problems: Total Blank Display, Line cut Display, Blinking Display ➤ Keypad Problems & its replacement, L. E. D. Problem

Weeks	Description
	<ul style="list-style-type: none"> ➤ SIM card Problem: SIM card error or Insert SIM, Socket changing ➤ Network Problem: No Network, Call ended, Limited Service, No Access. (T2 + P8)
7 th	<p><u>ALL SOFTWARE PROBLEMS:</u> Flashing, Formatting, Unlocking</p> <ul style="list-style-type: none"> ➤ Dead mobile, Contact Service ➤ User Lock, SIM Lock, Network Lock ➤ Flash Problem, Twister Flasher ➤ Version Upgrade, Version Downgrade ➤ Application Problem ➤ Logger Software ➤ Secret Codes, Reset Phones, Format User Data, Backup User Data ➤ Downloading Games & Video Clips ➤ Software Virus Problem & Antivirus Solution, Using Bluetooth, Infrared (T2 + P8) <p>Information about GST no, service center, Warranty support, dealer & Govt. scheme</p>

Course Name	EPAX INTERCOM SYSTEM
Duration	4 weeks (40 hrs)
Mode of Training & course Fees	Online: 2500/- (GST Extra or as applicable)
	Offline: Rs. 4000/- (GST Extra or as applicable)
Eligibility	S.S.C. appeared and above
Contact Person	Amol Loke: (Mob): 8169513741
<p>Intercom system is an Intercommunication system it's a private communication system where two or more phones are connected through your panel or a system. Building Intercom security system is most essential for communication to each flat. It helps to manage your visitor to grant access or not. In this course you will learn about different types of Pabx. How to install it in a building and how to troubleshoot the faults of these devices.</p>	

Weeks	Description
1 st & 2 nd	<p>Introduce to EPAX System</p> <p>Introduce to all various accessories/ parts related to EPAX System Practical (Components of building intercom system)</p> <p>Types of system and range</p> <p>Types of extension cards and selection</p> <p>Card calculation</p> <p>Top brands in epbx and epabx</p> <p>How to install an extension phone layout</p> <p>How to install full system with extension phone practically</p> <p>How to install extension card in system practically</p> <p>How to punch krone box</p> <p>What is relay?, How to connect em lock using relay</p> <p>Relay installation with em lock practical</p> <p>Programming principle</p> <p>How to add key phone for programming</p> <p>How to find port no and extension no on display</p> <p>How to find port no on display</p> <p>Call forwarding activation practical</p> <p>Call forwarding cancellation practical</p> <p>Busy extension automatic call back theory</p> <p>Busy extension automatic call back practical</p> <p>dnd activation theory</p> <p>dnd activation and cancellation practical</p> <p>Set default extension no and port</p> <p>How to change system password. (T4 + P16)</p>

Weeks	Description
3 rd & 4 th	<p>Installation on different Epax (Non Expandable) Building Intercom System Cabling Concept System Programming for Flexible Numbering Date & Time Setup Finding Extension Numbers Finding Port Numbers System resetting Port Washing System password change Call forwarding & cancellation DNS Act. & DND De Act. Rozer box using for line testing Punch tool using on IDC Module Access relay setup - Lock open through Intercom phone. (T4 + P16) Information about GST no, service center, Warranty support, dealer & Govt. scheme (T4 + P16)</p>

Course Name	Tally with GST
Duration	5 weeks (50 hrs)
Mode of Training & course Fees	Online:4000/- (GST Extra or as applicable) (Desktop/ Laptop necessary)
	Offline: Rs. 5000/- (GST Extra or as applicable)
Eligibility	S.S.C. appeared and above
Contact Person	Amol Loke: (Mob): 8169513741
<p>Wherever accounting related work is done, Tally makes it easier. Tally has been highly used for monetary control, invoicing, reporting, and sales management. In all over world, many firms have adopted Tally accounting software as a part of their financial management system. After learning this course there is scope of job in different financial institutions like banks, CA offices, factories, Malls, etc. Job Profiles Available: Accountants Officer, Tally Operator, service Coordinator Tally, Account Executive, Financial Analyst, Executive Assistant etc.</p>	

Weeks	Description
1 st	<p>Company Info Menu</p> <ul style="list-style-type: none"> • Select Company • Shut company • Create company • Alter company • Security control • Change tally vault • Split company data • Backup • Restore • Tally audit feature <p>Stock categories</p> <ul style="list-style-type: none"> • Stock item • Unit of measurement • Bills of materials • Locations / Godowns • Batches & Expiry • Inventory voucher types • HSN Code Updates
2 nd	<p>Accounting Information</p> <ul style="list-style-type: none"> • Accounting Configuration & Features • Group Creation • Multiple Group Creation • Ledger Creation • Multiple Ledger Creation • New Voucher Creation

Weeks	Description
	Inventory Information <ul style="list-style-type: none"> • Inventory configuration & features • Inventory info. Menu • Stock groups <p>Stock categories</p> <ul style="list-style-type: none"> • Stock item • Unit of measurement • Bills of materials
3 rd	Voucher Entry <ul style="list-style-type: none"> • Accounting voucher • Inventory voucher • optional & non-accounting voucher Taxation <ul style="list-style-type: none"> • Excise for manufacture • Service tax • Tax deducted at source(TDS)&TCS • Value added tax(VAT) • Central state tax(CST) Data management & Administration <ul style="list-style-type: none"> • Backup & Restore • Split a company, export & Import of data • E-Capabilities (E-mail a report from tally. E.R.P9) • Uploading the reports generated from tally.E.R.P9
4 th & 5 th	Reports <p>Display financial statements (Display balance – sheet, configuring the balance sheet, Integrate accounts with inventory, setting closing- stock manually in the balance sheet with different stock valuation methods)</p> <ul style="list-style-type: none"> • Display profit & loss A/c(configuring profit & loss A/c , income/expense statement instead of P&L) • Display trial balance (configuring in trial balance) • Display registers & ledgers (display sales register , purchase register, cash book , bank book, journal register, day book, statement of accounts) Online Taxation Return <ul style="list-style-type: none"> • Fill online ITR(Income Tax Return) download and filling forms. • Fill online VAT,CST Return • Excise Return & Forms • Online service tax return • TCS,TDS return

Weeks	Description
	Introduction to GST <ul style="list-style-type: none"> • Concept of GST • Rate of GST • GST in other countries • Categories of GST, GST related work

Course Name	Python Programming
Duration	7 weeks (70 hrs)
Mode of Training & course Fees	Online:3000/- (GST Extra or as applicable) (Desktop/ Laptop necessary)
	Offline: Rs. 4000/- (GST Extra or as applicable)
Eligibility	S.S.C. appeared and above
Contact Person	Amol Loke: (Mob): 8169513741
Python is a high level, interpreted and general purpose dynamic programming language that focuses on code readability. Career Opportunities in python programming are increasing rapidly in the world. Job Opportunities: Web Developer, Software Engineer, Data Scientist, Data Analyst.	

Weeks	Description
1 st	Introduction To Python & Setup Common Data Types <ul style="list-style-type: none"> • Numbers • Strings • Lists • Bytes objects and Bytearrays • Tuples • Sets • Dictionaries (T2 + P8)
2 nd	Statements <ul style="list-style-type: none"> • If Statement • While Statement • For Statement • Try Statement • With Statement • List Comprehension • Other Statements (T2 + P8)
3 rd & 4 th	Input & Output <ul style="list-style-type: none"> • Console Output • Console Input • Files • Directories (T2 + P18)
5 th	Definitions Functions <ul style="list-style-type: none"> • Variable Scoping • Built-in Functions

Weeks	Description
	<ul style="list-style-type: none"> • Modules (T2 + P8)
6 th & 7 th	Object-Oriented Programming <ul style="list-style-type: none"> • Classes • Regular Expressions • Iteration and Iterators • Using Python's Decimal module • Interfacing with Unix • Special Methods • Custom Data Types (T3 + P17)

Course Name	Tablet Repairing, Trouble shooting & Maintenance
Duration	6 weeks (60 hrs)
Mode of Training & course Fees	Online:4000/- (GST Extra or as applicable)
	Offline: Rs. 6000/- (GST Extra or as applicable)
Eligibility	S.S.C. appeared and above
Contact Person	Amol Loke: (Mob): 8169513741
Tablets have become quite popular in recent years. Tablet repairing course explains to repair basic as well as advanced faults of electronic device tablet. On completion of this tablet repairing course student can work as a service technician or student can start his own business in the tablet repairing field.	

Weeks	Description
1 st	TABLET BASIC Introduction about Tablet PC Deferent Size of Tablets (Dimensions) Introduce About Tablet Manufacturing Companies Operating system and their version Processor Description Of All Tablets Sensor Description Frequency Band Details Use in Tablets(GSM & CDMA) Wi-Fi & Bluetooth Range Deferent Section OF Tablets Block Diagram of All Tablets (T4 + P6)
2 nd	BASIC ELECTRONICS Use of multimeter Voltage, Current, Charge Resistor, Capacitor, Diode Transistor, Transformer, Crystal Speaker, Ringer, Mic, Vibrator (T2 + P8)
3 rd	Component soldering & disordering Jumper setting BGA IC reballing Dismantle-Assembly & Disassembly Replace earpiece, buzzer, mic, mmc & sim socket Replace display and touch screen Use of ultra sonic, power supply & hot gun (T2 + P8)
4 th & 5 th	TROUBLE SHOOTING Block diagram PCB Layout IC'S Identification Common fault

Weeks	Description
	USB (Dock Connector) jack pins details Repair charging problem Repair audio section, wi-fi & camera LCD, Touch & Light solution (T4 + P16)
6th	SOFTWARE Installation of operating systems in tablet pc Windows/ Android operating system Upgrading operating system Downgrading operating system Changing operating systems Driver installation Application installation on tablet pc Troubleshooting of Operating systems Troubleshooting of Application software Pattern lock Unlocking (T2 + P8)

Course Name	Data Recovery
Duration	5 weeks (50 hrs)
Mode of Training & course Fees	Online:5000/- (GST Extra or as applicable)
	Offline: Rs. 7500/- (GST Extra or as applicable)
Eligibility	S.S.C. appeared and above
Contact Person	Amol Loke: (Mob): 8169513741
<p>The data recovery industry is one of the fast growing industries in India. In these days, a career in data recovery is in high demand. In present time, there is huge shortage of professional technician to fulfill growing requirement of data recovery industries. As you finish the data recovery training, you can start your own business as well as secure your bright future.</p>	

Weeks	Description
1 st	<ul style="list-style-type: none"> • Introduction to HDD & storage devices • Internal parts, function • Basic Electronics (T2 + P8)
2 nd	<ul style="list-style-type: none"> • HDD information , SATA & PATA • FAT 32 & NTFS, MBR • BIOS & UEFI • Track sector & cluster • Causes of HDD failure (T6 + P4)
3 rd	<ul style="list-style-type: none"> • Introduction to PCB • Hard disk mechanical structure • Mechanical failure & repair • Mechanical fault finding by sound detection • Identify Mechanical problem (Head stuck, motor jam, head damage) • Donor Hard disk selection criteria for head replacement • Introduction of head replacement tool • Head & platter replacement process (T2 + P8)
4 th	<ul style="list-style-type: none"> • Logical Data Recovery • Introduction to logical data recovery • Deleted data recovery • Backup System • Formatted data recovery • Lost partition data recovery • Damaged hard disk data error recovery • Raw partition data recovery • Bad sector affected data recovery • Hard disk data wiping • System hang issue recovery solution • Corrupted photo/ file repairing

Weeks	Description
	<ul style="list-style-type: none"> • RAID (Dynamic) drive recovery • DVR drive data recovery (T2 + P8)
5 th	Basic Firmware Data Recovery Seagate Introduction Seagate firmware architecture Basic commands for repair and recovery Online commands Specific commands Special commands WD hard disk introduction, WD firmware Data recovery tools Trouble shooting (T2 + P8)