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PC/Laptop Assembly & Troubleshooting

(aka : IC3 – Computer Fundamentals)

SDF Course Code : 00085

Course Objective :

This course covers a broad range of hardware and software technologies, but is not bound to any vendor-specific products. The course objective covers two module area:

- 1) PC/Laptop Hardware Installation/Upgrading/Troubleshooting Module
- 2) OS (XP Home/XP Pro/Vista) Installation/Upgrading/Optimizing Module

Who Should Attend:

This course is the ideal step for anyone who is new to IT and wish to move into the IT industry in the area of PC Support, Service and Technicians. Or individuals who are keen in PC maintenance and troubleshooting, PC beginners and users, also applicable to teachers and/or students new to PC architecture. This course also provides the candidates the knowledge and expertise to select and build/customize their own PC.

Prerequisite:

No prerequisite required.

Certificate Of Achievement:

Certificate Of Achievement will be awarded to students completing the course.

Training Methodology & Materials:

- 100% Practical hands-on sessions.
- 2 to 3 rounds of PC Assembly, Upgrading & Troubleshooting until participants are confident.
- Well-designed lab sessions to enhance further understanding of the courseware.

Training Duration:

Full-Time : 40hrs (5 weekdays or 5 Saturdays)
9am to 6pm

Part-Time : 48hrs (12 sessions)
6.30pm to 10.30pm (twice a week)

Course Fees:

Please contact our Customer Service for more information.

SDF & SRP grants available.

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SDF Eligibility:

The general eligibility criteria are listed as follows:

- Companies are registered or incorporated in Singapore
- Supportable cost components (such as Course fees) are fully sponsored by companies
- Trainees are employees who are either Singapore Citizens or Permanent Residents (PR) of Singapore
- Trainees have achieved at least 75% attendance and have sat for all examinations if the course leads to certification

IT Enabler Education Centre Pte Ltd

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(Co Reg No. 200211025Z)

Detailed Course Outline

Topic 1 : Hardware Basics

- Pc Functions & Components
- Service Tools & Equipment

Topic 2 : System Configuration

- BIOS
- BIOS/CMOS Settings
- System Resources

Topic 3 : Safety & Preventive Maintenance

- Cleaning Preventive Maintenance
- Environmental Issues
- ESD Handling & Disposal

Topic 4 : Installing, Upgrading & Troubleshooting

- Field Replaceable Units
- IDE Devices
- SCSI Devices
- Peripheral Devices
- Troubleshooting & Optimization

Topic 5 : Motherboards & Components

- Motherboard Architecture
- Processors
- Memory

Topic 6 - Printers

- Printer Types
- Printer Connections, Configuration & Troubleshooting

Topic 7 : Portable Computers

- Laptop & Desktop PC

Topic 8 : Networking

- Network Concepts
- Implementing A Lan
- WAN & Internet Connectivity

Topic 9 : Operating System Basics

- Operating System Introduction

Topic 10 : Supporting Windows XP

- Installing & Deploying Windows XP
- Configuring Windows XP
- Remote Management

Topic 11 : The Internet

- Internet Overview
- TCP/IP
- Internet Security

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