



**KIDS & TEENS FREELANCING TRAINING INSTITUTE**

# **Diploma Information Technology (DIT) Course Outline**

## **Module 1: Introduction to Information Technology**

- What is IT and why it's essential in today's world
  - Real-life example: How your computer helps with school, work, and fun
  - History and evolution of IT
  - Basic understanding of hardware and software
  - Activity: Identify parts of a computer system and their functions
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## **Module 2: Operating Systems**

- What is an operating system? (Windows, Linux, macOS)
  - Real-life example: Navigating through your phone or computer interface
  - How an OS helps you run applications and manage files
  - Hands-on: Install and use a basic operating system
  - Activity: Customize your desktop and install a software program
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## **Module 3: Computer Hardware and Peripherals**

- Understanding the basic components of a computer
  - Real-life example: How your printer or mouse connects to your computer
  - The role of CPU, RAM, hard drives, and other parts
  - Hands-on: Open a computer and identify the hardware components
  - Activity: Create a list of the most common peripherals and their uses
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## **Module 4: Software and Applications**

- Understanding different types of software: System vs. Application
  - Real-life example: Using Google Chrome vs. Windows File Explorer
  - How software helps us work more efficiently
  - Installing and uninstalling applications
  - Activity: Install a new software program and review its features
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## **Module 5: Networking Basics**

- What is networking and how do devices connect?
  - Real-life example: How Wi-Fi allows you to connect your phone to the internet
  - Introduction to routers, modems, and IP addresses
  - Understanding LAN and WAN
  - Activity: Set up a small home network with a router
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## **Module 6: Troubleshooting and Support**

- Common IT issues and how to solve them
  - Real-life example: Solving problems like slow internet or a frozen computer
  - How to use built-in troubleshooting tools
  - Understanding error messages and logs
  - Activity: Troubleshoot a simple computer issue
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## **Module 7: IT Security Essentials**

- Why IT security is important in today's digital age
  - Real-life example: Protecting your social media accounts with passwords
  - Introduction to firewalls, antivirus software, and encryption
  - Best practices for securing your data
  - Activity: Set up a firewall on your computer and scan for viruses
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## **Module 8: Career Paths in IT**

- Exploring different IT careers: Network Engineer, IT Technician, Support Specialist
  - Real-life example: How IT professionals keep businesses running smoothly
  - Skills required for various IT roles
  - Activity: Research an IT career path and create a career roadmap
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## **Bonus Materials**

- IT troubleshooting checklist
- Free online resources for continued learning
- IT industry glossary
- Certificate of Completion for DIT Diploma Course