

## **DOTS ICT INSTITUTE OF TECHNOLOGY ABEOKUTA, OGUN STATE, NIGERIA.**

**(National Board for Technical Education (NBTE) accredited)**

**FEDERAL GOVERNMENT APPROVED and LISTED ON NATIONAL BROCHURE  
OF THE JOINT ADMISSIONS & MATRICULATION BOARD (JAMB)**

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### **OPPORTUNITY FOR IT/SIWES TRAINING AT DOTS ICT INSTITUTE OF TECHNOLOGY**

Dear Parent or Guardian,

I hope this letter finds you in good health and high spirits. We would like to introduce an exciting opportunity for your child to undergo a 3-month or 6-month IT/SIWES (Students Industrial Work Experience Scheme) program at Dots ICT Institute of Technology. We believe that this experience will be highly beneficial for their educational and professional growth.

**Schedule: Mondays–Wednesdays, 9:00 AM – 2:00 PM (with breaks)**

**What We Will Teach Them:**

## **6-Month Curriculum: Web/Software Development Specialty**

### **Months 1–2: Front-End Web Development**

#### **Week 1 – Web Development Overview**

- Internet vs Web, websites vs web apps
- Front-end vs back-end vs full stack
- Tools setup: VS Code, browsers, extensions

#### **Week 2 – HTML Fundamentals**

- HTML tags, structure, elements
- Images, links, lists, forms
- Hands-on: Build a personal webpage

#### **Week 3 – CSS Styling**

- CSS syntax, selectors, colors, fonts
- Box model, margins, padding

- Hands-on: Style your personal webpage

### **Week 4 – Layouts & Flexbox**

- CSS Positioning, Flexbox, Grid basics
- Responsive design principles
- Project: Design a landing page

### **Week 5 – Intro to Bootstrap**

- Bootstrap classes and components
- Navbars, buttons, forms, grid system
- Mini project: Build a responsive portfolio

### **Week 6 – Web Project #1**

- Build a complete multi-page website
  - Apply HTML, CSS, and Bootstrap
  - Showcase to class
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## **Months 3–4: Programming & JavaScript Essentials**

### **Week 7 – Intro to JavaScript**

- Syntax, variables, data types
- Functions and conditionals
- DOM intro

### **Week 8 – JavaScript in Action**

- Events, forms, alerts
- Loops, arrays, objects
- Simple interactive components

### **Week 9 – DOM Manipulation**

- Selecting & editing elements
- Creating dynamic content
- Practice: Build a calculator or quiz

### **Week 10 – JavaScript Project**

- Choose a simple app: To-do list, quiz app, or tip calculator
- Plan, build, test, and deploy

## **Week 11 – Git & GitHub**

- Version control concepts
- Creating & managing repositories
- Deploying with GitHub Pages

## **Week 12 – Project #2: Interactive Web App**

- HTML + CSS + JS project (e.g., Recipe Finder, Weather App)
  - Group presentations
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## **Months 5–6: Full-Stack Basics & Final Projects**

### **Week 13 – Intro to Backend with PHP (or Node.js optional)**

- How websites work behind the scenes
- PHP syntax or Node.js basics
- Server-side scripting overview

### **Week 14 – Forms & Data Handling**

- Form submissions and validations
- GET vs POST
- Practice: Simple contact form

### **Week 15 – Intro to Databases**

- What is a database? Intro to SQL
- PHP/MySQL connection OR JSON storage
- CRUD operations (Create, Read, Update, Delete)

### **Week 16 – Full Stack Project (Mini)**

- Plan and build a small app: Blog, contact list, etc.
- Front-end + back-end integration

### **Week 17 – Debugging & Hosting**

- Console tools, error handling
- Deploying websites (Netlify, GitHub, or 000WebHost)
- SEO & accessibility basics

### **Week 18 – Tech Career Talk + Portfolio Review**

- Software dev roles explained
  - Resume, GitHub, LinkedIn tips
  - Peer feedback on projects
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## **Final Weeks: Capstone Project & Graduation**

### **Week 19 – Capstone Planning**

- Choose topic: Portfolio, E-commerce site, or custom web app
- Define features & UI design
- Sketch mockups

### **Week 20 – Capstone Development (Frontend Focus)**

- Build responsive layouts
- Refine navigation, pages, styles

### **Week 21 – Capstone Development (JS/Backend)**

- Add logic, form handling, data storage
- Test functionality

### **Week 22 – Capstone Finalization**

- Polish design and features
- Fix bugs, mobile optimization


### **Week 23 – Portfolio & Presentation Prep**

- Document code and features
- Practice presentation, peer feedback

### **Week 24 – Graduation Showcase**

- Present final projects to peers, mentors, guests
  - Certificate ceremony & photos
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## **Program Highlights**

-  **Projects Every Month**
-  **Hands-On Labs & Team Collabs**
-  **GitHub Portfolio Development**

-  **Weekly Demos & Presentations**

### **What They Stand to Gain:**

Upon successful completion of the IT/SIWES program, your child will enjoy several advantages:

1. **Certificate:** A certificate will be issued to them after sitting for the examination, which will serve as evidence of their newly acquired skills.
2. **Membership/Networking Opportunity:** They will have the chance to build valuable connections in the IT industry through networking opportunities, which could be beneficial for their future career.

### **Program Fees:**

- **For the 3-month program, the fee is 70,000 Naira.**
- **For the 6-month program, the fee is 100,000 Naira.**

We believe that this IT/SIWES program will be a valuable addition to your child's education, providing them with practical skills and networking opportunities. If you have any questions or need further information, please do not hesitate to contact us.

Thank you for considering this opportunity for your child's educational and professional development.

Sincerely,

Mrs Ruth Akinbami

HR

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