



STUDENTS INDUSTRIAL WORK EXPERIENCE SCHEME
SIWES

**ROLASOFT PROFESSIONAL COMPUTER & IT
COURSES VERSION 2.0 LATEST**

**SIWES Diploma in Java Desktop
Application Development**

*Become a job-ready Java Desktop App in 3-6
months!*

Benefits of Studying with RolaSoft

✓ 1. Industry-Relevant Curriculum

Stay ahead with a syllabus designed by industry experts, focused on real-world applications of java desktop.

✓ 2. Hands-On Training

Learn by doing — build real-time projects, full-scale java desktop application development.

✓ 3. Experienced Instructors

Gain insights from certified professionals and senior certified ethical hacker with years of teaching and industry experience.

✓ 4. Placement Assistance

Access job support services including resume building, mock interviews, and direct placement opportunities with partner companies.

✓ 5. Flexible Learning Modes

Choose between: **Online**, **Offline (at our center)**, or **Hybrid Classes**

Benefits of Studying with RolaSoft

✓ 6. Mini & Major Projects

Work on individual and group projects to strengthen your portfolio and impress future employers.

✓ 7. Certification Upon Completion

Earn a **Diploma Certificate** from **RolaSoft Technologies**, recognized by IT recruiters and employers.

✓ 8. Small Batch Size

Personalized attention and better interaction in small groups for an enhanced learning experience.

✓ 9. Affordable Fees & Installment Plans

Top-tier training at a reasonable cost, with flexible payment options.

✓ 10. Career-Oriented Skills You'll Gain at RolaSoft Technologies

RolaSoft ensures you're job-ready with the right tech stack and practical knowledge.

SIWES Overview

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SIWES (Student Industrial Work Experience Scheme) is a structured industrial training program designed for students in Nigerian tertiary institutions studying science, engineering, technology, and other professional courses. It is coordinated by the **Industrial Training Fund (ITF)** and serves as a bridge between academic knowledge and practical industry experience.

Typically conducted for a duration of **3–6 months**, SIWES places students in real work environments related to their field of study. During this period, they apply classroom theory to practical tasks and gain firsthand understanding of workplace expectations and professional practices.

Advantages of SIWES to Students

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Hands-On Experience: Provides real-world exposure and practical knowledge in the student's field.

Bridging the Skills Gap: Helps students connect academic theories with industry practices.

Career Readiness: Prepares students for post-graduate employment by developing technical and soft skills.

Professional Networking: Offers opportunities to build relationships with industry professionals.

Improved Employability: Enhances resumes/CVs with relevant work experience that employers value.

Understanding of Workplace Culture: Teaches students workplace ethics, teamwork, and communication.

Opportunity for Future Placement: Sometimes leads to job offers or future internships with the same organization.

SIWES Java Desktop Application Course Details



Duration

Three-Six (3-6) Months



Schedule

Weekdays / Weekends



Learning Modes

Online, Offline (at our center), or Hybrid Classes



Start Date

New batches start every month — enroll now!



Eligibility

No prior experience required

SIWES Java Desktop Application – Program Details

Program Overview

This course teaches students how to develop interactive and functional **desktop applications using Java**. It focuses on building GUI (Graphical User Interface) applications using tools like **Swing, JavaFX**, and working with local file systems and databases (e.g., SQLite, MySQL).

Students will learn to design user interfaces, handle events, process data, and deploy standalone desktop applications.

SIWES Java Desktop Application - Target Audience & Prerequisites

Target Audience:

- ✓ Students of Computer Science, Software Engineering, or IT with basic programming knowledge, especially for SIWES or internships students.

Prerequisites:

- ✓ Basic understanding of Java programming and OOP (Object-Oriented Programming) principles.

SIWES Java Desktop Application Course Curriculum

Module 1: Introduction to Desktop Application Development

- ✓ Difference between web and desktop applications
- ✓ Java desktop technologies overview: Swing vs. JavaFX
- ✓ IDE setup (Eclipse, IntelliJ IDEA, or NetBeans)

SIWES Java Desktop Application Course Curriculum

Module 2: Java GUI Programming with Swing

- ✓ JFrame, JPanel, JLabel, JTextField, JButton
- ✓ Event handling and listeners
- ✓ Layout managers: FlowLayout, BorderLayout, GridLayout
- ✓ Building forms and interfaces

SIWES Java Desktop Application Course Curriculum

Module 3: Advanced GUI with JavaFX

- ✓ JavaFX components and layout panes
- ✓ CSS styling in JavaFX
- ✓ Scene Builder for UI design
- ✓ Handling user interactions and events

SIWES Java Desktop Application Course Curriculum

Module 4: Object-Oriented Design in Java

- ✓ Classes, objects, inheritance, encapsulation
- ✓ MVC (Model-View-Controller) design pattern
- ✓ Code organization and modular development

SIWES Java Desktop Application Course Curriculum

Module 5: File Handling & Data Persistence

- ✓ Reading and writing files (text, CSV, JSON)
- ✓ Serialization and deserialization
- ✓ Saving application settings and user data

SIWES Java Desktop Application Course Curriculum

Module 6: Working with Databases

- ✓ Introduction to JDBC
- ✓ Connecting Java apps to SQLite/MySQL
- ✓ Executing CRUD operations
- ✓ Building data-driven interfaces (e.g., tables, forms)

SIWES Java Desktop Application Course Curriculum

Module 7: Application Packaging and Deployment

- ✓ Creating runnable .jar files
- ✓ Handling resources (images, audio, config)
- ✓ Cross-platform deployment considerations
- ✓ Basics of update systems (manual or auto)

SIWES Final Capstone Project (End of 3-6 Months)

Students will complete an **industry-level project**:

- ✓ Build a complete desktop app (e.g., inventory manager, point-of-sale, student records), Includes GUI, database, and file handling, Document and present the solution.

SIWES Java Desktop Application - Certification Obtain

After completion of the program, the student will be awarded with a certificate:

**SIWES Diploma in Java Desktop Application
Development**

SIWES Java Desktop Application - Roles After Completion

Graduates of this course can pursue the following roles:

- ✓ **Java Desktop Developer:** Builds and maintains Java-based GUI desktop applications.
- ✓ **Software Developer (Java):** Designs and codes general-purpose Java applications, including desktop tools.
- ✓ **Application Support Engineer:** Supports and maintains internal desktop tools for companies.
- ✓ **Java Programmer (Entry-Level):** Works on Java projects, often including UI and logic development.
- ✓ **System Analyst/Programmer:** Designs and improves information systems, sometimes via desktop apps.
- ✓ **Freelance App Developer:** Builds small-scale Java applications for clients (e.g., shops, schools).

Rolasoft Technologies Services

Rolasoft Technologies – Services Offered

✓ **SOFTWARE DEVELOPMENT COMPANY**

(MOBILE APPLICATION, WEB APPLICATION, DESKTOP APPLICATION, CUSTOMIZED APPLICATION, E-COMMERCE WEBSITE)

✓ **PROFESSIONAL COMPUTER AND IT EDUCATION**

(TOP-UP PROGRAMS, DIPLOMA PROGRAMS, CERTIFICATE PROGRAMS, TECH @ SCHOOL, CORPORATE PROGRAMS, SIWES PROGRAMS, CUSTOMIZED PROGRAMS)

✓ **DIGITAL ADVERTISING AND BUSINESS BRANDING**

(SOCIAL MEDIA MARKETING, EMAIL MARKETING, CONTENT MARKETING, WEBSITE SEO, BRANDED CLOTHING, STICKERS AND TAG, CUSTOM BRANDING, AND MANY MORE)

✓ **INTERNATIONAL UNIVERSITY ADMISSION PROCESSING**

(AMERICA, UK, CANADA, EUROPE, AFRICA, AND MANY MORE)

Contact & Registration

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 **Enroll Today & Start Your SIWES Java Desktop Application Journey!**

Shape your future with SIWES Java Desktop Application.