



STUDENTS INDUSTRIAL WORK EXPERIENCE SCHEME
SIWES



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

SIWES Diploma in Data Analytics

*Become a job-ready Data Analytics 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 Data Analytics.

✓ 2. Hands-On Training

Learn by doing — build real-time projects, full-scale data analytics.

✓ 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 Data Analytics 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 Data Analytics – Program Details

Program Overview

This **Data Analytics** course is designed to introduce students to the concepts, tools, and techniques used to collect, process, analyze, and visualize data for decision-making. Through practical, hands-on projects, students will gain proficiency in tools like Excel, SQL, Python, and data visualization platforms.

The course is aimed at building foundational to intermediate-level analytics skills applicable in business, finance, health, marketing, and tech industries.

SIWES Data Analytics - Target Audience & Prerequisites

Target Audience:

- ✓ Students in Computer Science, Statistics, Business, Economics, or IT-related fields, especially for SIWES or internships students.

Prerequisites:

- ✓ Basic math/statistics knowledge and computer literacy. No prior coding experience required but helpful.

SIWES Data Analytics Course Curriculum

Module 1: Introduction to Data Analytics

- ✓ What is data analytics?
- ✓ Types of analytics: Descriptive, Diagnostic, Predictive, Prescriptive
- ✓ Data life cycle: Collection → Cleaning → Analysis → Visualization → Decision

SIWES Data Analytics Course Curriculum

Module 2: Data Analytics with Microsoft Excel / Google Sheets

- ✓ Data cleaning and formatting
- ✓ Sorting, filtering, conditional formatting
- ✓ Formulas, pivot tables, charts
- ✓ Intro to data dashboards

SIWES Data Analytics Course Curriculum

Module 3: SQL for Data Analysis

- ✓ Basics of databases and SQL
- ✓ SELECT, WHERE, GROUP BY, JOIN, ORDER BY
- ✓ Aggregation and filtering
- ✓ Creating views and simple reports

SIWES Data Analytics Course Curriculum

Module 4: Python for Data Analysis

- ✓ Python basics (variables, lists, loops, functions)
- ✓ Libraries: pandas, numpy, matplotlib, seaborn
- ✓ Reading and cleaning data (CSV, Excel, JSON)
- ✓ Exploratory Data Analysis (EDA)

SIWES Data Analytics Course Curriculum

Module 5: Data Visualization

- ✓ Principles of effective visualization
- ✓ Tools: Excel charts, Python (matplotlib/seaborn), Tableau or Power BI (optional)
- ✓ Creating dashboards and interactive reports
- ✓ Storytelling with data

SIWES Data Analytics Course Curriculum

Module 6: Basic Statistics for Analytics

- ✓ Mean, median, mode, variance, standard deviation
- ✓ Correlation and regression basics
- ✓ Data distributions and probability (intro level)

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

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

- ✓ Real-world dataset analysis (from Kaggle or a company), Complete analysis pipeline from cleaning to reporting, Final presentation or dashboard submission.

SIWES Data Analytics - Certification Obtain

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

SIWES Diploma in Data Analytics

SIWES Data Analytics - Roles After Completion

Graduates of this course can pursue the following roles:

- ✓ **Data Analyst:** Analyzes datasets to extract insights and create visual reports for decision-making.
- ✓ **Business Intelligence Analyst:** Uses data tools to support strategic business decisions with reports and dashboards.
- ✓ **Junior Data Scientist:** Assists in data modeling and predictions using statistical methods.
- ✓ **SQL Data Analyst:** Specializes in querying and managing data from relational databases
- ✓ **Excel Analyst:** Works with spreadsheets for financial, operational, or marketing analysis.
- ✓ **Reporting Analyst:** Creates regular dashboards and KPI reports using tools like Power BI or Tableau.
- ✓ **Market Research Analyst:** Gathers and analyzes market trends using data.

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 Data Analytics Journey!**

Shape your future with SIWES Data Analytics.