SAVADUB INSTITUTE • INSTITUTIONAL PARTNERSHIP PROSPECTUS

Bridging Academic STEM Foundations & Industry Engineering Workflows

A Co-Curricular Lab Infrastructure, Departmental Programming Support Engine, and Accredited SIWES Partner for Nigerian Universities, Polytechnics, and Colleges.

10	40	946+	1,252h
ACADEMY TRACKS	PRODUCTION COURSES	HANDS-ON LABS	STUDY HOURS / CEUS

Tailored for Vice-Chancellors, Rectors, Deans of Computing & Engineering, and SIWES Directors

STRATEGIC ALIGNMENT & INSTITUTIONAL OPPORTUNITY

Partnering to Bridge Foundational Theory and Industry Execution

Tertiary Academic Faculty
Foundational Logic • Theory • Degrees

+

Savadub Co-Curricular Lab
Workplace IDEs • Real Labs • LMS

→

Industry-Ready Graduate
Audited Portfolios • Employability

Enriching Departmental Coding Courses

Tertiary institutions provide essential computational theory. Savadub partners alongside departmental courses to provide structured practical lab exercises in production IDEs, ensuring students build immediate, lasting practical fluency.

Accelerating Industry Readiness

Software engineering architectures advance continuously. We complement university curricula with real-world architectural workflows—distributed version control, containerization, multi-tenant patterns, and enterprise codebases.

Empowering the SIWES Industrial Mission

Structured industrial training (SIWES/IT) is critical for students. We provide verified, production-aligned industrial software projects with auditable LMS progress tracking, active code commits, and tangible deliverables.

COLLABORATIVE PILLARS

How Savadub Institute Complements Higher Education Faculties

1. Core Programming Course Reinforcement

Complements introductory and intermediate departmental coding courses. Students configure industry-standard workplace IDEs (VS Code, IntelliJ, Android Studio) with guided hands-on exercises that reinforce lecture theory through applied execution.

2. 10 Enterprise Curricula & Lab Modules

Turnkey institutional licensing for 10 specialized industry academy tracks featuring 40 production courses and 946+ hands-on labs with complete enterprise system architectures.

3. Structured SIWES & IT Placement Hub

Guaranteed technical industrial attachments where students contribute to vetted production project backlogs, backed by digital milestone logs and LMS verification for institutional supervisors.

4. Faculty Collaboration & LMS Assessment

Department lecturers maintain complete academic oversight and gain LMS-integrated automated assessment features, cohort progress analytics, and Train-the-Trainer co-certification credentials.

DEPARTMENTAL COURSE SUPPORT

Elevating Student Practical Mastery in Departmental Programming Courses

The Common Learning Challenge

- Programming courses introduce rigorous abstract concepts requiring continuous, hands-on implementation.
- Large student enrollments make individual code debugging support time-intensive for academic departments.
- Students unfamiliar with developer environments often struggle with initial environment configuration hurdles.
- Without structured daily implementation practice, students risk memorizing patterns rather than developing programmatic intuition.

The Savadub Collaborative Solution

- **Workplace IDE Tooling:** Students work directly in real developer environments (VS Code, IntelliJ, etc.), learning authentic production workflows.
- **Guided Hands-On Repositories:** Step-by-step runnable lab modules that reinforce faculty lecture principles with practical muscle memory.
- **Integrated LMS Assessment:** Automated grading and continuous progress assessments built directly into our LMS platform.
- **Higher Retention & Pass Rates:** Practical confidence translates to stronger performance in departmental exams and project work.

SIWES & IT PLACEMENTS

Accredited, Auditable Industrial Training (3–6 Months)

STAGE 1: PRODUCTION BACKLOGS → STAGE 2: LMS MILESTONES & TELEMETRY → STAGE 3: AUDITED DEFENSE PORTFOLIO

PILLAR 1: AUTHENTIC EXPERIENCE

Industry-Vetted Project Backlogs

Students are placed into structured software engineering cohorts working on curated production backlogs (FinTech ledgers, multi-tenant SaaS architecture, GRC compliance), gaining true industrial competence.

100% Production backlogs vs synthetic exercises

PILLAR 2: AUDITABLE TELEMETRY

LMS Milestone Tracking & Progress Logs

University coordinators and ITF supervisors gain real-time visibility through LMS milestones, verified code submissions, and digital activity logs with complete audit trails.

Live Supervisory dashboard & commit logs

PILLAR 3: ACADEMIC EXCELLENCE

Comprehensive Defense Portfolios

Students conclude their industrial attachment with live deployed systems, documented GitHub repositories, and verifiable portfolios ready for faculty departmental defense.

A+ Audited final defense submission ready

FACULTY CATALOG • COMPLETE CURRICULA MATRIX

All 10 Specialized Academy Tracks Available for Institutional Licensing

TRK-JAVA: Enterprise Java 21
4 Courses • 108 Labs

Spring Boot 3.3, Loom virtual threads, double-entry financial ledger precision, Redis.

TRK-LARAVEL: Modern PHP & SaaS
3 Courses • 104 Labs

Laravel 13, Filament v5, parent_id anchor model, Domain-Driven Design, monorepo federation.

TRK-NODEJS: Node.js Backend
5 Courses • 109 Labs

Node runtime internals, TypeScript REST APIs, WebSockets, queues, NestJS microservices.

TRK-FLUTTER: Mobile Engineering
5 Courses • 100 Labs

Dart 3, Clean Architecture with BLoC & GetX, native Android & iOS tooling, CI/CD pipelines.

TRK-FRONTEND: Full-Stack JS
5 Courses • 113 Labs

TypeScript, React hooks, Vue 3 Composition API, Angular architecture, Next.js Server Actions.

TRK-DS: Data Science & AI Systems
4 Courses • 115 Labs

Statistical computing, PyTorch pipelines, QLoRA fine-tuning, LangChain RAG & MLOps.

TRK-GRC: Enterprise InfoSec & GRC
5 Courses • 146 Labs

SOC 2, ISO 27001, NIST CSF compliance-as-code, audit engineering, cloud baselines.

TRK-PENTEST: Offensive Security
3 Courses • 46 Labs

Black-box methodology, OWASP Top 10 exploitation, Burp Suite, Caido, CVE reporting.

TRK-WP: WordPress Enterprise Web
4 Courses • 80 Labs

Bespoke themes, OOP PSR-4 plugins, headless REST API, WooCommerce HPOS architecture.

TRK-SAVV: Savv Web Engineering
3 Courses • 52 Labs

Zero-build presentation architecture, output buffering, dynamic PHP 8.2+ runtime.

INSTITUTIONAL GOVERNANCE & REGULATORY ALIGNMENT

Harmonizing with Institutional Governance & Faculty Leadership

✓ Strict Alignment with NUC/NBTE Standards (CCMAS)

Savadub does not replace Senate-approved university curricula. We function as a complementary industry laboratory and co-curricular practical resource, helping institutions fulfill the CCMAS mandate for hands-on industry application.

✓ Elevating and Supporting Faculty Lecturers

Academic lecturers maintain complete course leadership. Savadub provides teaching assistants, LMS automated grading features, and Train-the-Trainer certifications to alleviate marking workloads and enrich department offerings.

✓ Flexible Infrastructure & Low-Bandwidth Resilience

Designed with Nigerian operational environments in mind. Lab materials, Git starter kits, and IDE configurations run locally on students' computers, requiring minimal continuous internet connection.

$ ADMINISTRATIVE EASE & VALUE CREATION

Subsidized Access, Rapid MoU Execution & Institutional Revenue

Endowed Subsidies for Student Accessibility

Through corporate endowments and Savadub CSR sponsorships, enterprise tracks valued globally at $1,500+ are made accessible to Nigerian undergraduates at nominal local rates, ensuring full economic inclusion.

Streamlined Zero-Risk Pilot Framework

We provide standardized Dean-level MoU templates and offer an initial zero-cost pilot cohort (50–100 students), allowing faculties to observe measurable student outcomes without financial risk or administrative delays.

New Internally Generated Revenue (IGR) for the School

Faculties can co-brand professional evening diplomas, weekend certifications, and external corporate workforce programs through the university Consult, creating shared revenue streams.

COMMERCIAL FRAMEWORKS

Three Flexible Institutional Partnership Models

MODEL A

Departmental Lab Reinforcement

Savadub integrates directly alongside existing departmental programming courses. Faculty delivers lectures; Savadub provides IDE lab modules, guided repository exercises, and LMS assessment support.

🎯 **Primary Objective**
Elevating practical pass rates and student confidence

MODEL B

Accredited SIWES Partner

Department designates Savadub as an approved industrial training hub. Students complete structured remote/ hybrid 3–6 month capstones with weekly telemetry and supervisor sign-offs.

🎯 **Primary Objective**
Guaranteeing quality industrial experience

MODEL C

Joint Professional Academy

Co-branded diploma & executive certification programs managed through the university's Consult / Continuing Education Directorate with revenue sharing.

🎯 **Primary Objective**
Generating non-tuition IGR for the institution

IMMEDIATE NEXT STEP • ACTION ROADMAP

Initiating a Zero-Risk Institutional Pilot

1 — 2 — 3 — 4

1. Discovery Meeting (30 Mins)	Introductory meeting with the Dean, HODs, and SIWES Directors to identify target departmental courses or internship cohorts.
2. Streamlined Pilot MoU	Execution of a standard Dean-level partnership memorandum with zero institutional financial liability.
3. 50–100 Student Pilot Cohort	Deploy workplace IDE lab modules and LMS assessments for a single cohort to benchmark student satisfaction and academic engagement.
4. Academic Board Review	Present LMS performance metrics and student project defenses to the Faculty Board for expanded collaboration.