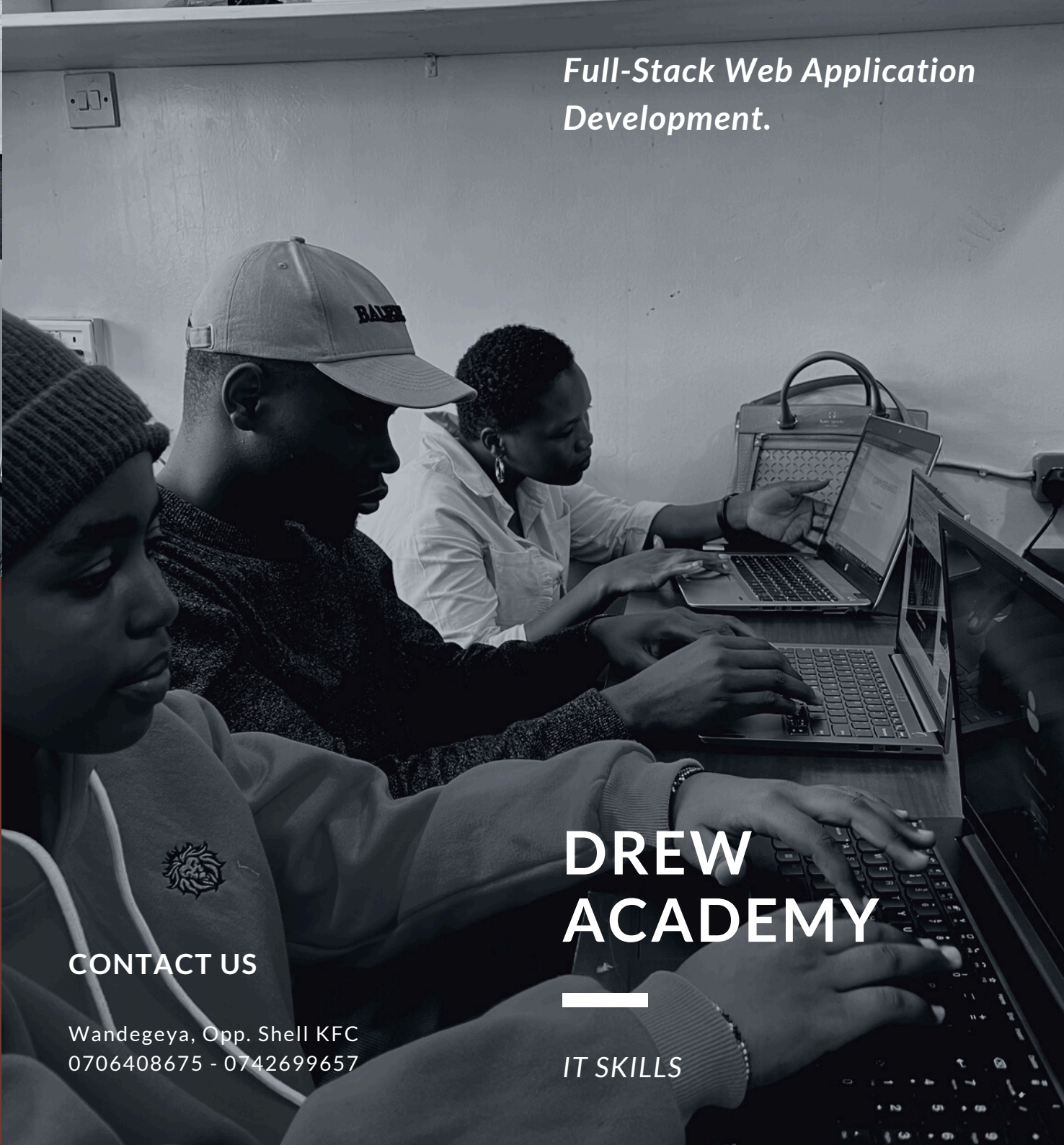




Course Overview

This intensive course equips learners with the skills to build real-world, full-stack web applications — covering both front-end (HTML, CSS, JavaScript, Bootstrap) and back-end development using Python (Flask) and MySQL databases.



Full-Stack Web Application
Development.

CONTACT US

Wandegeya, Opp. Shell KFC
0706408675 - 0742699657

DREW ACADEMY

IT SKILLS



Full-Stack Web Application Development.

Who should take this course?

- Beginners Interested in Web Apps Development.
- School Leavers & Graduates
- Graphic Designers & Creatives
- Business Owners & Entrepreneurs
- Professionals in Digital Marketing / Communication.
- Freelancers or Aspiring Tech Professionals

COURSE OUTLINE

Module 1: Introduction to Full-Stack Development

Module 2: HTML & CSS for Web Structure & Styling

Module 3: JavaScript for Interactivity

Module 4: Bootstrap for Responsive UI

Module 5: Python Fundamentals

Module 6: Introduction to Flask Framework

Module 7: Templating with Jinja2

Module 8: Forms, Validation & Flask WTFORMS

Module 9: MySQL Basics + Database Integration

Module 10: CRUD Operations

Module 11: User Authentication

Module 12: Advanced Features & Flash Messages

Module 13: Deployment & Hosting

Module 14: Module 12: Deployment & Hosting



LEARNING OUTCOMES

- Understand the full-stack development process, including the relationship between frontend, backend, and databases in a modern web application.
- Build responsive, user-friendly interfaces using HTML, CSS, JavaScript, and Bootstrap.
- Use JavaScript to enhance web interactivity, including DOM manipulation, form validation, and dynamic UI behaviors.
- Write Python scripts using variables, functions, loops, lists, and dictionaries to process data and build backend logic.
- Develop server-side applications using Flask, including URL routing, form handling, and dynamic page rendering with Jinja2 templates.
- Connect a Flask application to a MySQL database and perform full CRUD operations (Create, Read, Update, Delete) using structured queries.
- Design and manage relational databases, create tables, and write queries to retrieve and manipulate data effectively.
- Implement user authentication and session management, including secure login/logout systems and access-restricted pages.
- Deploy full-stack applications online, using GitHub and platforms like Render or PythonAnywhere, with environment management and security practices.
- Develop and present a complete full-stack web application project, combining all the learned technologies to solve a real-world problem.

WHAT DO STUDENTS NEED TO ENROLL?

- Basic Computer Knowledge.
- Basic English Reading Skills.
- Own or Access a Computer (Preferred).
- Must be able to commit to scheduled classes and complete practical work.
- A willingness to learn and regular attendance.
- Registration fees - UGX 30,000.
- National ID or Passport.
- 30% Tuition.

Fees

Tuition: UGX 1,500,000

What the fee covers: training, materials, certificate

What's Included

- Guided hands-on training
- Practice files and templates
- Access to dev tools
- Certificate of completion
- Printed handouts or digital notes

ACADEMY LIFE

How long is the course, and how is it taught?

- Duration: 14 weeks
- Schedule: Evening (Weekdays: 2 hrs) or Weekend (Sat-Sun: 3 hrs)
- Mode: In-person & Online (Theories)

Assessment & Certification

- Practical exercises (weekly)
- Final project
- Minimum attendance (80%)
- Certificate awarded: "Full-Stack Web Application Development."

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