

# LAUREATE

# AI-Powered Learning Platform

Empowering Nigerian Students for WAEC & UTME/POST-UTME Success

## Educational Challenge in Nigeria

Many Nigerian students sit multiple high-stakes exams each year and struggle in core subjects, particularly English & Mathematics. These include WAEC, UTME, Post UTME, and other tertiary institution entrance exams.

These subjects are critical for university admission and future career prospects, yet many students lack adequate preparation resources for the various exam formats and requirements.

 **WAEC registered approximately 1.8 million candidates in 2024 (Nigeria)**

 **UTME registered approximately 1.9 million candidates in 2024 (Nigeria)**

# LAUREATE Our Solution (MVP)



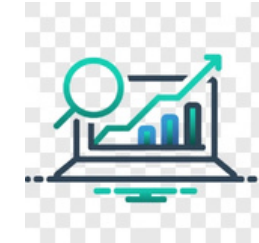
## Micro-Lessons

Bite-sized interactive content with audio for efficient learning on-the-go



## Mock Tests

CBT simulation for exam preparation with real-time feedback



## Progress Analytics

Real-time tracking and personalized recommendations



## Campus Integration

University services and navigation for seamless campus experience



## Secure Authentication

User management and security for protected learning environment



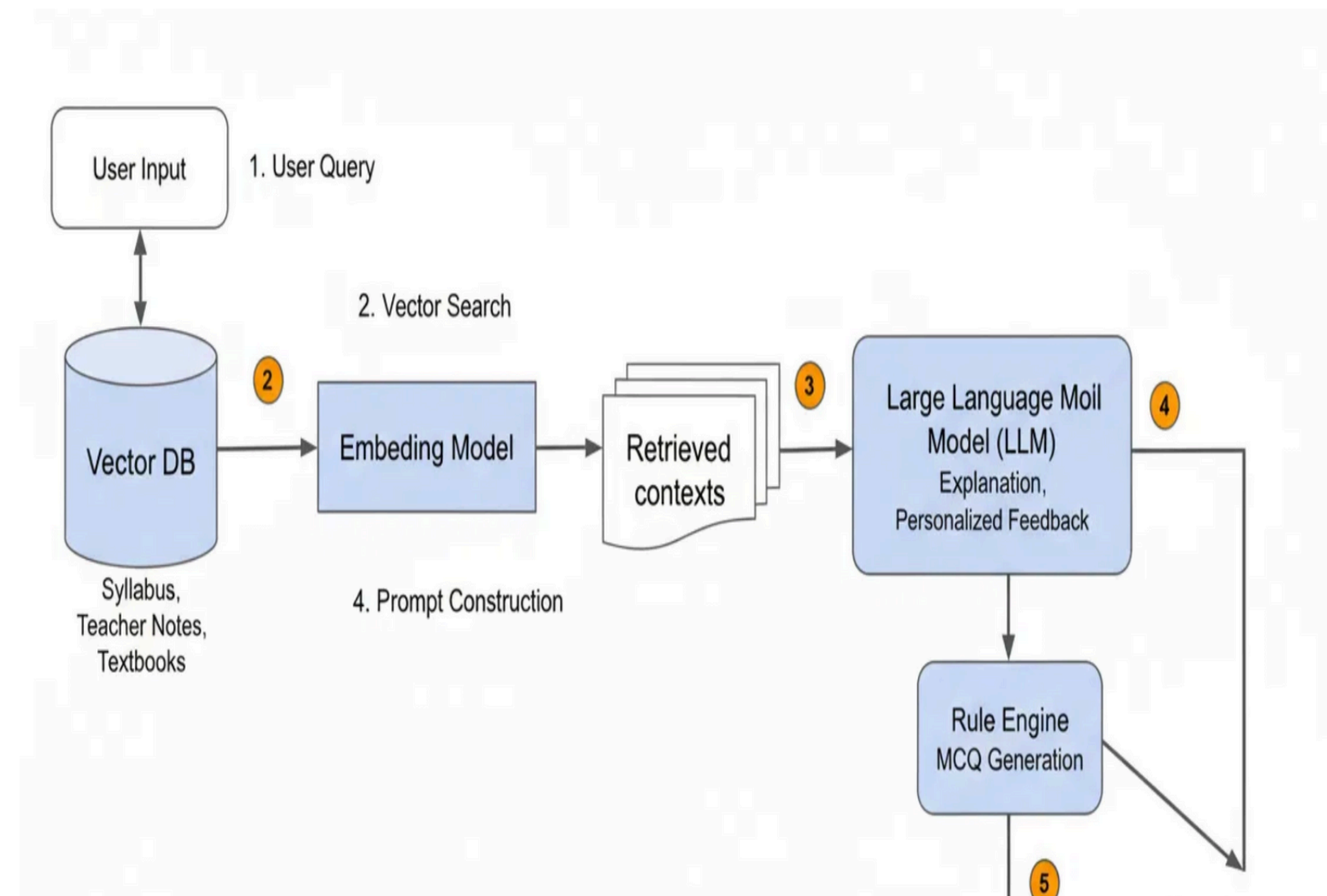
## AI Tutor

LLM fine-tuned on curated past questions and relevant curricula

# LAUREATE How it Works (High-Level)

## Technical Architecture

Our AI-powered educational platform combines several advanced technologies to deliver personalized learning experiences across multiple exam formats (WAEC, UTME, Post UTME, and other tertiary entrance exams):



# LAUREATE User Experience Journey

- 1

Registration & Login

Secure authentication flow with email verification
- 2

Personalized Dashboard

Overview of courses, progress, and upcoming tests
- 3

Interactive Learning

Engaging micro-lessons with multimedia content
- 4

Assessment & Practice

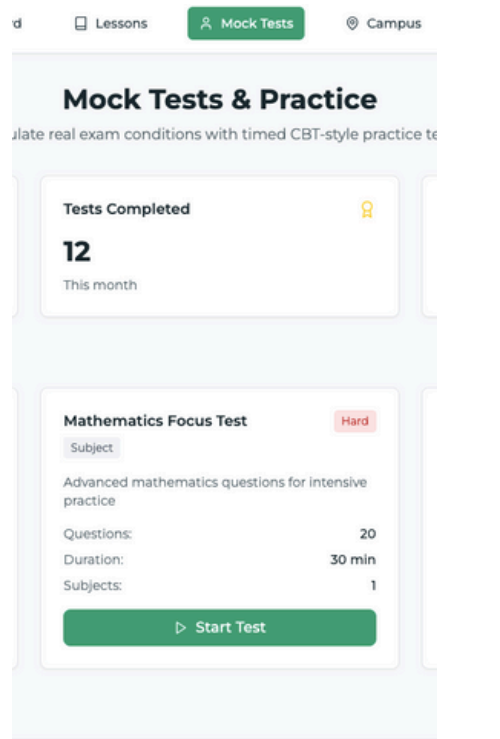
Mock tests simulating UTME/POST-UTME format
- 5

Campus Services

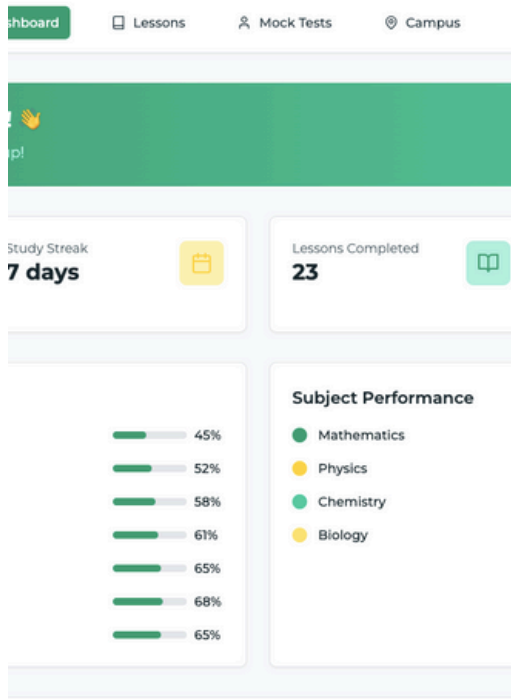
University resources, maps, and information
- 6

Progress Monitoring

Analytics and AI-powered recommendations



Mock Tests & Practice



Learner's Dashboard

# LAUREATE Impact & Future Vision

LAUREATE

Dashboard

Lessons

Mock Tests

Campus

A Adeba

Daily Micro-Lessons

Bite-sized lessons designed to help you master key concepts

Today's Focus

What's for your next lesson?

Continue building your knowledge with personalized content

Quadratic Equations

Mathematics

Quadratic equation is a polynomial equation of degree 2. The general form is  $ax^2 + bx + c = 0$ , where  $a \neq 0$ . These equations can be solved using the quadratic formula:  $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$ .

1 questions

Start

Cell Division

Biology


Cell division is the process by which cells reproduce. There are two main types: mitosis (for growth and repair) and meiosis (for sexual reproduction).

20 min 1 questions


Start

Daily Micro Lessons


## Future Enhancements

- 


AI Recommendations

Enhanced personalized learning paths based on performance patterns
- 


Collaboration Features

Study groups and real-time collaboration tools
- 

Multi-University Support

Expanded institution network with customized content
- 

Regional Expansion

Scaling to other West African countries with localized curriculum
- 

Immersive Learning

VR/AR integration for immersive educational experiences

## Responsible Data Practices

Our approach prioritizes legal compliance, data privacy, and ethical use of educational content across all exam formats.



### Multi-Exam Content Strategy

WAEC, UTME, and Post UTME past questions are copyrighted materials. We will use a combination of licensed content and AI-generated original questions that align with each exam's specific curriculum and format.



### Privacy Framework

Nigeria's Data Protection Act (NDPA) guides our privacy-first approach across all exam preparation modules. We implement strict data protection measures and transparent privacy policies.

## Compliance Checklist

- ✓ Licensed content agreements with WAEC, JAMB, and tertiary institutions
- ✓ NDPA-compliant data collection and storage practices
- ✓ Parental consent mechanisms for users under 18
- ✓ Secure infrastructure with end-to-end encryption
- ✓ Regular security audits and vulnerability assessments
- ✓ Transparent data usage policies and user controls

# LAUREATE Our Team



Our team combines expertise in education, technology, and artificial intelligence to develop an innovative learning platform tailored for Nigerian students preparing for the UTME/POST-UTME examinations.



**Samuel Adeyeye**

Frontend Developer

3+ years of experience in Software Development.



**Victor Uche**

Backend Developer

3+ years of experience in Software Development.



**Yusuf Anigilaje**

AI Engineer

3+ years of experience in Software Development.



**Thank you for your interest in Laureate**