



# *IBR - EMS*

Welcome to the Examination Management System of Federal Polytechnic Ilaro, ensuring efficient and seamless exam administration.

Get Started ➔

# Pitch deck

## EXAMINATION MANAGEMENT SOFTWARE

COMMERCIALIZATION PROPOSAL FOR NATIONWIDE DEPLOYMENT IN NIGERIAN TERTIARY INSTITUTIONS



# About us

We are a passionate team of innovators dedicated to transforming examination management in Nigerian tertiary institutions. Our flagship solution — an **Automated Examination Timetable, Hall Distribution, and Seat Allocation System** — eliminates the stress, errors of manual scheduling and enhances integrity of examination conduct.

Our mission is simple: **to make exam management seamless, transparent, and scalable nationwide** — supporting NASENI's vision of local innovation that strengthens education infrastructure.

# Problem

## Market gap

No fully automated, scalable solution for exam timetabling, hall use, and seat allocation — most schools still rely on manual or semi-manual processes.

## Customers

Tertiary institutions, exam officers, lecturers, and students struggling with scheduling conflicts and inefficiency.

## Financials

High hidden costs from overtime work, underutilized facilities, reprints, and last-minute changes.

## Costs

Weeks of staff time, extra printing, and operational stress.

## Usability

Manual methods are error-prone, slow, and lack real-time updates or automated seat allocation.





☰

Dashboard



Departments



Halls



Timetables



Hall Distributions



Seat Allocations



Manage Users



Courses



Students



Settings



Hall Allocation Details

AG 3&4 - Seat Allocation 2025-10-13 PM

AG 3&4 - Seating Arrangement  
Capacity: 80 seats

Course Legend:  
MEC226 TAX211 CTE222 BFN226 INS225

FRONT OF HALL

BACK OF HALL

Hall Statistics

Placed	Unplaced
74	1

80 Total Capacity

Unplaced Students (1)  
Manually assign students to available seats

How to assign: Click on any **available seat** in the hall layout above, or use the dropdown to select a seat number. The system will enforce adjacency constraints automatically.

TOHEEB OLANREWUJU ISHOLA  
PN/TAX/23/0250  
TAX211

Student 1

Assign to Seat:  
Click on available seat or select:

# Solution

## Close the gap

AI-driven system delivers instant, clash-free timetables, hall allocation, and seat plans.

## Target audience

Universities, Polytechnics, Colleges of Education, Monotechnic, Exam Officers, and Students.

## Cost savings

Cuts admin time by 80%, reduces reprints, and maximizes hall use.

## Easy to use

Cloud-based, role-specific dashboards with real-time updates and printable reports.

10/16/2025

S/N	Date	Day	Period	Course Code	Course Name	Class	Department
<b>DEPARTMENT: SCIENCE LABORATORY TECHNOLOGY</b>							
1	13/10/2025	Monday	AM	STC 128	Research Methods	PND I	Science Laboratory Technolo
2	13/10/2025	Monday	PM	STC 211	Inorganic Chemistry II	PND II	Science Laboratory Technolo
3	14/10/2025	Tuesday	PM	STB 223	Biology Practical (STB 221 & 222)	PND II	Science Laboratory Technolo
4	15/10/2025	Wednesday	PM	STC 223	Chemistry Practical (STC 221 & 222)	PND II	Science Laboratory Technolo
5	17/10/2025	Friday	AM	STC 112	Inorganic Chemistry I	PND I	Science Laboratory Technolo
6	18/10/2025	Saturday	AM	STP 123	Physics Practical (STP 121 & 122)	PND I	Science Laboratory Technolo
<b>DEPARTMENT: HOSPITALITY MANAGEMENT</b>							
7	13/10/2025	Monday	AM	TMT 111	PRINCIPLES OF TOURISM MANAGEMENT	PND I	Hospitality Management
8	14/10/2025	Tuesday	AM	HMT218	RESEARCH METHODOLOGY	PND I	Hospitality Management
9	15/10/2025	Wednesday	AM	HMT125	FOOD HYGIENE AND NUTRITION	PND I	Hospitality Management
10	16/10/2025	Thursday	AM	HMT127	ACCOUNTING FOR HOSPITALITY	PND I	Hospitality Management
<b>DEPARTMENT: FOOD TECHNOLOGY</b>							
11	13/10/2025	Monday	AM	AGR 121	INTRODUCTION TO FARMING I	PND I	Food Technology
12	15/10/2025	Wednesday	AM	NUD122	HUMAN NUTRITION AND DIETETICS	PND I	Food Technology
13	17/10/2025	Friday	AM	FST121	FOOD CHEMISTRY	PND I	Food Technology
14	18/10/2025	Saturday	AM	MEC101	TECHNICAL DRAWING I	PND I	Food Technology
<b>DEPARTMENT: MUSIC TECHNOLOGY</b>							
101	16/10/2025	Thursday	AM	MUT 125	OUTLINE HISTORY OF WESTERN MUSIC	PND I	Music Technology
102	17/10/2025	Friday	AM	MUT 212	RESEARCH METHODS	PND I	Music Technology
103	18/10/2025	Saturday	AM	MUT 128	NIGERIA MUSIC	PND I	Music Technology
<b>EXAMINATION SUMMARY</b>							
Total Examinations: 103							
Total Courses: 95							
Total Departments: 23							
Examination Period: 13/10/2025 - 18/10/2025							
<b>EXAMINATION INSTRUCTIONS:</b>							
1. Students must arrive at the examination venue 15 minutes before the scheduled time							
2. No student will be allowed into the examination hall 30 minutes after the exam has commenced							
3. Students must bring valid student ID cards and required stationery							
4. Mobile phones and electronic devices are strictly prohibited in examination halls							
5. Any form of examination malpractice will result in disqualification							
6. Students should check the examination venue and time carefully							
<b>Examination Timetable</b>							

# Product benefits

Generates clash-free timetables in minutes, saving weeks of manual work.

Maximizes hall capacity and ensures fair seat distribution

Reduces administrative workload, reprints, and overtime costs.

Randomized seating helps curb malpractice and builds trust.

Cloud-based, user-friendly interface with real-time updates and printable reports.



Date	Hall	Distribution Items		Period	
Class Name	Course Code	Course Title	Number of Students		
2025-09-17	AJ102	Science Laboratory Technology (PhD)	STC112	Inorganic Chemistry I	20
		Business Administration and Management (PhD)	BT115	Information Technology and Data Processing	20
		Mechanical Engineering (PhD)	MEC113	Basic workshop Technology & Practice	20
		Computer Science (PhD)	COM128	RESEARCH METHODS	20
		Civil Engineering (PhD)	CE110	CIVIL ENGINEERING (CONSTRUCTION)	20
2025-09-17	AC104	Mass Communication (PhD)	MAC105	PRINCIPLES OF PUBLIC RELATIONS	15
		Insurance (PhD)	MFT111	FUNDAMENTALS OF MARKETING	15
		Teaching (PhD)	CMS120	General Biology	15
		Art and Design (PhD)	ARD102	BASIC DESIGN	15
		Supply Management and Evaluation (PhD)	ARE122	TECHNICAL DRAWING	15
2025-09-17	AH102	Food Technology (PhD)	FT121	FOOD CHEMISTRY	15
		Public Administration (PhD)	COM111	INTRODUCTION TO COMPUTER	15
		Music Technology (PhD)	MUT212	RESEARCH METHODS	15
		Building Technology (PhD)	BLD222	WORKSHOP PRACTICE & TECHNOLOGY IV	15

# Product overview

## Unique

Fully automated exam timetable, hall distribution, and seat allocation — all in one platform.

## Tested

Successfully piloted with zero timetable clashes and 80% reduction in scheduling time.

## First to market

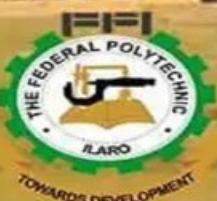
Pioneering an AI-powered, end-to-end solution for Nigerian tertiary institutions.

## Authentic

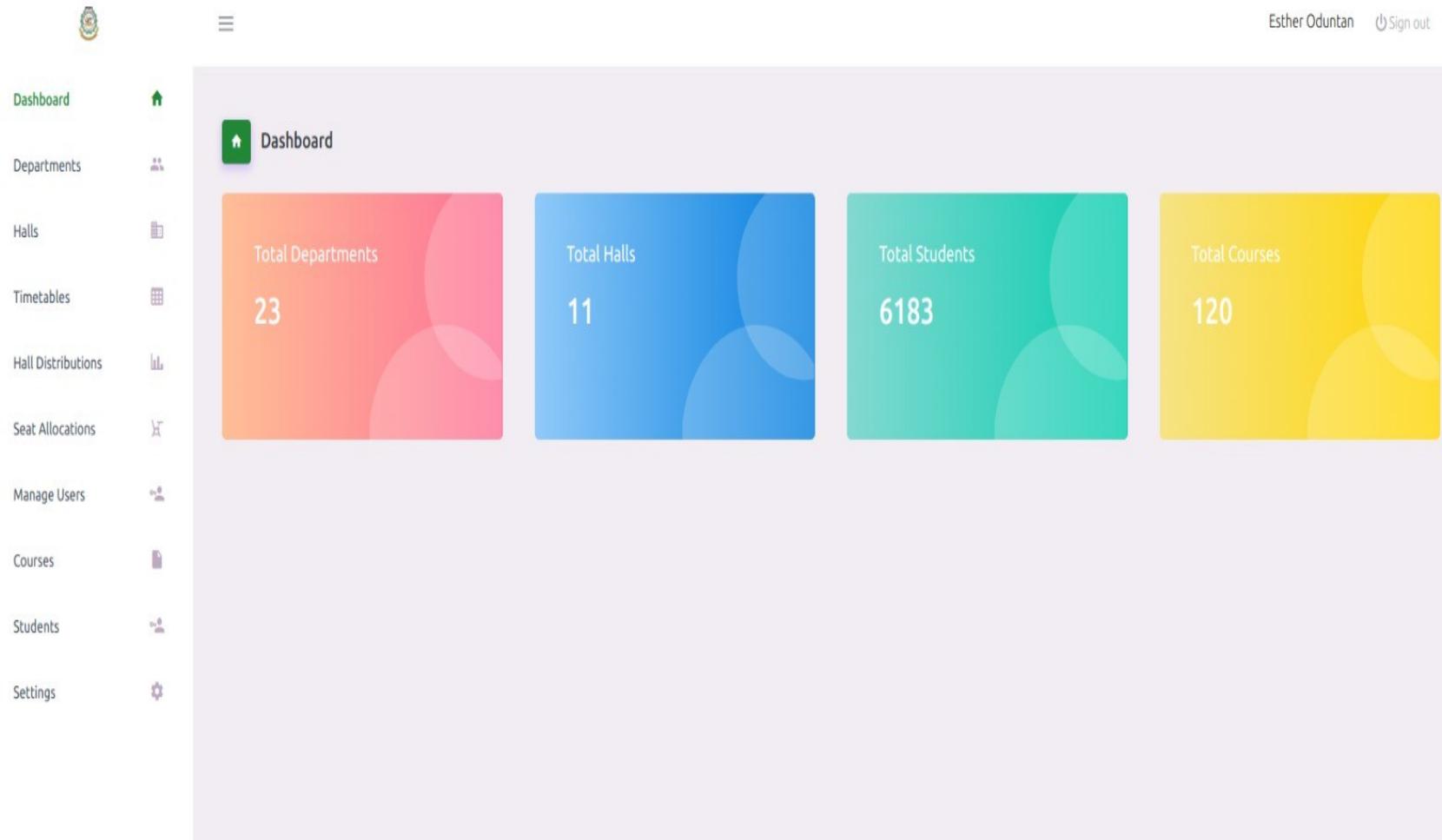
Locally developed, aligned with Nigeria's education needs and NASENI's innovation mandate.



# Institution overview



# Business model



The dashboard displays the following data:

Category	Value
Total Departments	23
Total Halls	11
Total Students	6183
Total Courses	120

## Research

Developed from real data on timetable clashes, hall use, and malpractice trends.

## Abstract

Identified need for a fast, automated, scalable exam management solution.

## Design

Built in-house with AI algorithms and a simple, user-friendly interface.

# Market overview

₦4

billion

Over 260 universities with large student populations — biggest demand for automated exam scheduling and hall management.

Highest need for scalable, automated solutions to avoid clashes.

₦2

billion

150+ polytechnics nationwide — mid-sized but with high scheduling complexity across multiple departments.

Require efficient hall allocation and fair seating to curb malpractice.

₦1

billion

200+ colleges and private institutions — growing need for affordable, scalable solutions.

Need affordable, plug-and-play solutions for exam scheduling.



# Market comparison

4B

**Opportunity to build**  
Addressable market

2B

**Freedom to invent**  
Serviceable market

1B

**Few competitors**  
Obtainable market



# Our competition

## Examination Management Software

Costs less than outsourcing or maintaining manual staff overtime.

Clean with intuitive design and 100% User Friendly.

Generates clash-free timetables, optimizes hall use, and assigns seats automatically

## Competitors

**Manual Methods (Excel / Paper):** Slow, error-prone, time-consuming, and stressful.

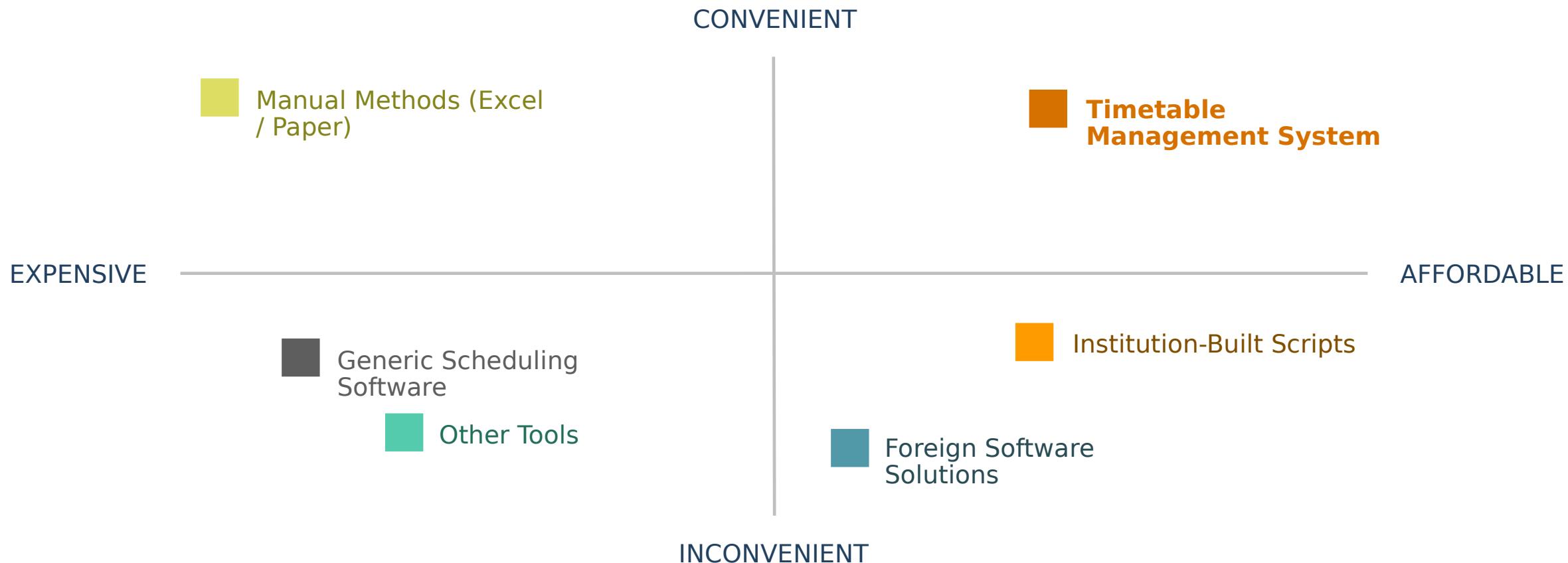
**Generic Scheduling Software:** Often expensive, lacks hall/seat allocation, and still requires manual adjustments.

**Institution-Built Scripts:** Inconsistent quality, not scalable, and lack dedicated support.

**Foreign Software Solutions:** High license cost, not tailored to Nigerian academic calendars or infrastructure.

**Other Tools:** May be affordable but are inconvenient, not built for Nigerian institutions, and lack automation.

# Our competition





# Growth strategy

## How we'll scale in the future



### Feb 2025

Roll out the Timetable Management System to top-tier universities and polytechnics as early adopters to establish credibility and case studies.



### May 2025

Expand access to the general market (other tertiary institutions) with marketing campaigns, partnerships, and social media engagement to drive adoption.



### Oct 2025

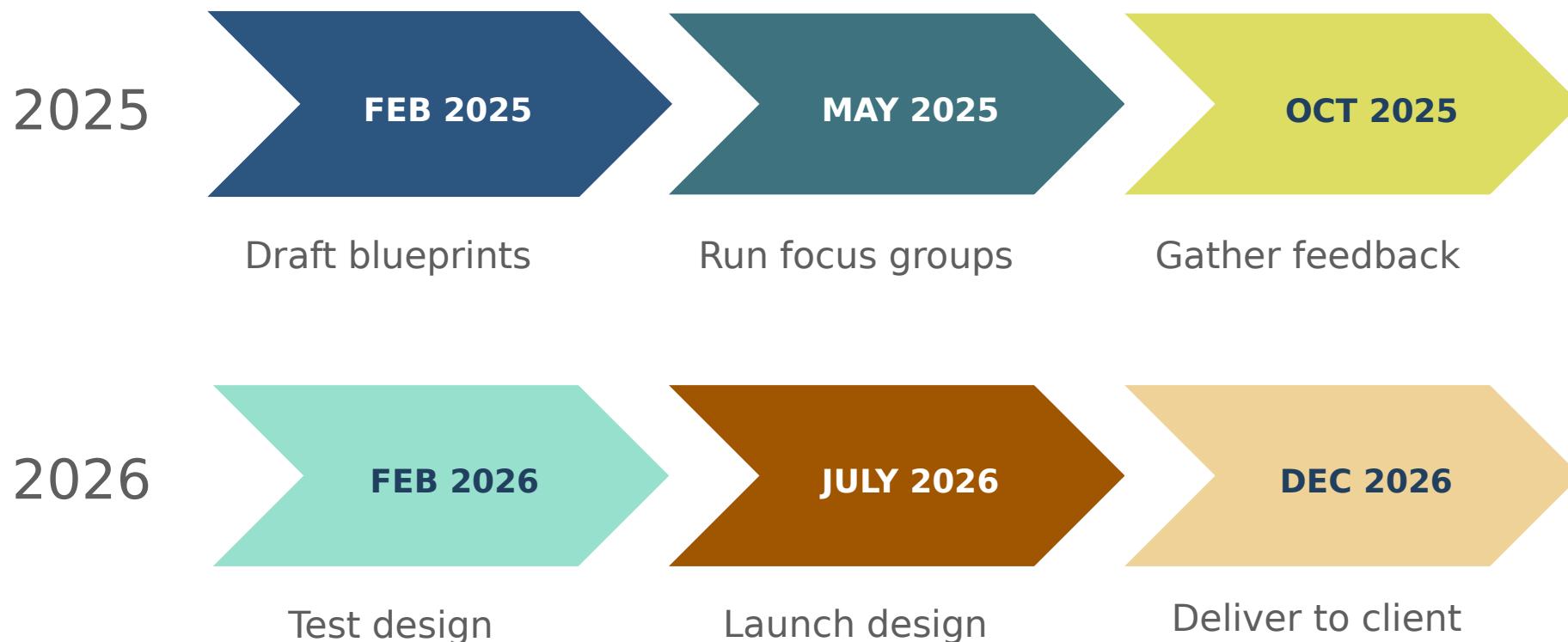
Gather user feedback, measure performance, and refine product features (add mobile app seat lookup, deeper analytics) to improve user experience before nationwide scale-up.

# Traction

## Where We Are Today

Stage	Key Metrics / Achievements	Impact
MVP Completed	100% functional timetable, hall & seat allocation system	System ready for commercialization
Pilot Results	90% reduction in timetable conflicts 70% reduction in scheduling time	Faster, conflict-free scheduling
User Engagement	500+ active users (lecturers, students, admin)	Strong adoption during pilot
Stakeholder Feedback	95% positive reviews from pilot users	High satisfaction & trust
Early Momentum	Talks ongoing with 3+ tertiary institutions	<b>Ready for scale-up &amp; partnerships</b>

# Two-year action plan



# Meet our team



**Dr. Mukail Akinde**

Rector, Federal  
Polytechnic Ilaro



**Dr. Mrs Esther  
Oduntan**

Principal Investigator



**Sur Abiodun  
Adedokun**

Co - Researcher



**Dr. Joshua K. Odeyemi**

Co -Researcher

# Meet the full team



**Dr. Esther Oduntan**  
Chief System Analyst



**Dr. Joshua Odeyemi**  
Scientific Computing  
Analyst



**Mr. Adegoke Fortunatus**  
Software Engineer



**Ramon Rasheed**  
Software Engineer



**Joshua Oduntan**  
Programmer

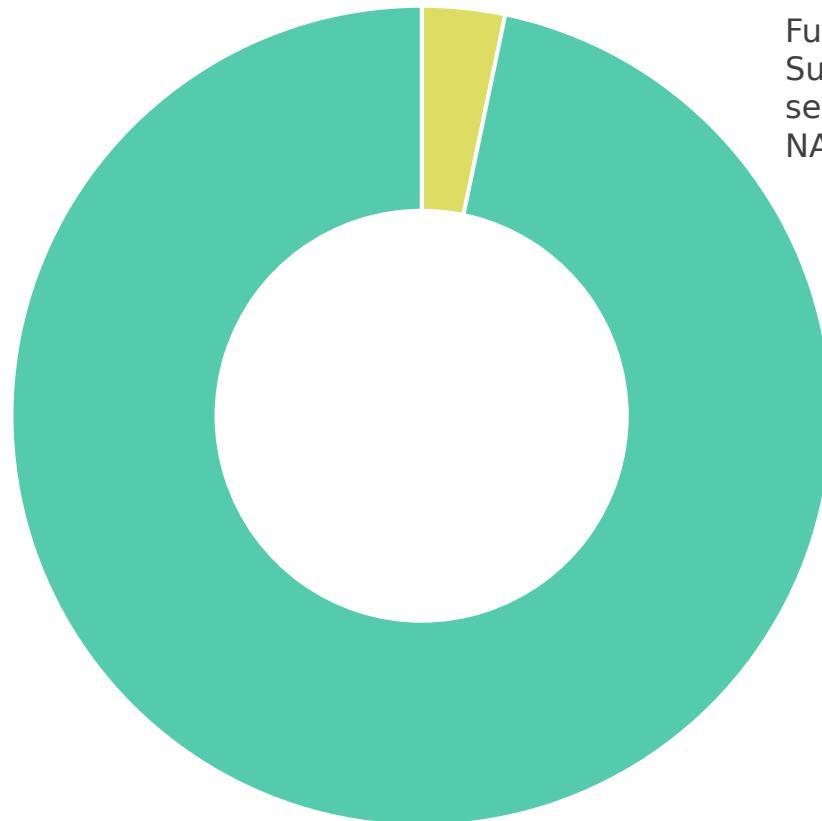


Ask  
**25,747,500.00  
million Naira**

To scale up our production to 10,000 units in a year in order to generate 15 billion naira in revenue and direct employment for 300 people and indirect employment for 500 people

## FPI Contributions

Amount obtained through  
Federal Polytechnic Ilaro



■ FPI Contributions ■ NASENI Requested

## NASENI Requested Funding

Funding  
Support  
seeking from  
NASENI

PITCH DECK



Hello! let's get started

Sign in to continue.

Email

Password

SIGN IN

# Funding



Dashboard



Dashboard

Departments



Total Departments

23

Total Halls

11

Total Students

6183

Total Courses

120

Halls



Timetables



Hall Distributions



Seat Allocations



Manage Users



Courses



Students



Settings



# Summary

Our AI-powered timetable management system is the first of its kind to automatically generate conflict-free exam timetables, optimally allocate halls, and assign individual seats in minutes. It reduces scheduling time by 90%, eliminates clashes, minimizes malpractice risk, and improves hall utilization. Designed from real institutional pain points, it is scalable across Nigeria and Africa. With an affordable SaaS model and premium analytics for recurring revenue, the system is tested, trusted, and ready for national rollout.

# Thank You

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