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Ideation Phase

Define the Problem Statement

Date	
Team ID	NM2025TMID01550
Project Name	Educational Organization
Maximum Marks	4 Marks

Problem Statement Template:

The educational organization is currently grappling with significant hurdles in delivering fair access to high-quality learning experiences, maintaining consistent teaching standards, and leveraging technology effectively to improve learning outcomes. Numerous students still face obstacles like inadequate resources, uneven support, and disinterest in their education. Simultaneously, educators are often hindered by outdated teaching approaches and a lack of proper training. These challenges not only affect academic achievements but also impede skill development, underscoring the urgent need for innovative, data-driven, and student-focused solutions that foster inclusivity, enhance teaching effectiveness, and equip students for the challenges of an ever-changing world.

Problem and Solution

1. Student-Centric Challenges

Problem Area	Common Problems	Practical Solutions
Engagement & Motivation	• Low student motivation	Personalized learning academic aupport
Well-being & Mental Health	• Academic stressfanxity Social isolation	Increase school counseling

2. Administrative and Management Challenges

Personnel & Staffing	Financial Resources	Technology Integration
Shortage of qualifing	• Shortage of qualified	Professional development
• Indeuquate necesary technology	• Indequate funding funding	Robust IT infrastucture

3. Administun and Instruction Challenges

Curriculum Reletance	Assessment Methods	Teaching Quality
Curriculum Reletance	• Curriculum is outdated	Formative assessments
Review and update curriculum	• High-stakes testing	Peer observation and coaching

The most effective strategy often involves invoves leveraging technology (such a comprahsive School Management System) to streenisine administration, freeing up up reesources staff tims to focus the core missior: improving studeneit ticomes and weleeing.

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Example:

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which leaves me feeling
PS-1	A member of the teaching staff (educator/instructor/professor)	Evaluate student learning promptly and precisely to provide instant feedback.	I spend several hours manually grading papers and calculating scores. .	The digital learning platform lacks strong, customizable auto-grading capabilities for non-multiple-choice assessments.	Feeling overburdened and unproductive
PS-2	**A School Leader (Principal or Director)**	**Instantly share important updates—such as closures or safety alerts—with the entire**	Parents and teachers often miss important messages.	There's no single, unified communication channel that consistently reaches everyone through email, text, and	**Stressed and underprepared**

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Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which leaves me feeling
		school community. instantly.		other platforms. and an app.	
PS-3	A Learner	Get the targeted help I need in a subject I'm struggling with (e.g., math tutoring).	I'm unsure whom to ask, and the available resources are either conflicting or already fully booked.	The school doesn't have a centralized, easily accessible scheduling system for academic support and tutoring services.	Confused and discouraged
PS-4	An Information Technology Manager	Manage and renew all educational software licenses	License renewals are spread across multiple departments and occur on	There's no centralized asset or license management system connected to staff and	Overwhelmed and pressed for time

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Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which leaves me feeling
		and user accounts ahead of the new school year.	different dates.	student account lifecycles.	

PS-1 (A member of the teaching staff**):** As a Faculty Member, I aim to assess student learning accurately and efficiently to provide timely feedback. However, I spend hours manually grading papers and calculating scores because the digital learning platform lacks strong, customizable auto-grading features for non-multiple-choice assessments. This makes me feel overwhelmed and inefficient.

PS-2 (School leader): As a School Administrator, I want to share critical updates (such as closures or safety alerts) instantly with the entire school community. However, important messages often go unnoticed by parents or teachers because there's no unified communication channel that reliably reaches everyone across email, text, and the app. This leaves me feeling anxious and unprepared.

PS-3 (Learner): As a learner, I'm trying to get the targeted support I need in a subject I'm struggling with (such as math tutoring). However, I often don't know whom to approach, and the available resources are either conflicting or already fully booked. This happens because the school doesn't have a centralized, easily accessible scheduling system for academic support and tutoring services, leaving me feeling lost and frustrated.

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PS-4 (Information Technology Manager): As an IT Manager, I'm trying to efficiently maintain and update all educational software licenses and user accounts before the new school year begins. However, license renewals are spread across multiple departments with varying expiration dates. This happens because there's no centralized asset or license management system connected to staff and student account lifecycles, leaving me feeling stressed and rushed.