AI for the Primary Classroom

An intelligent tool to empower primary students and teachers.

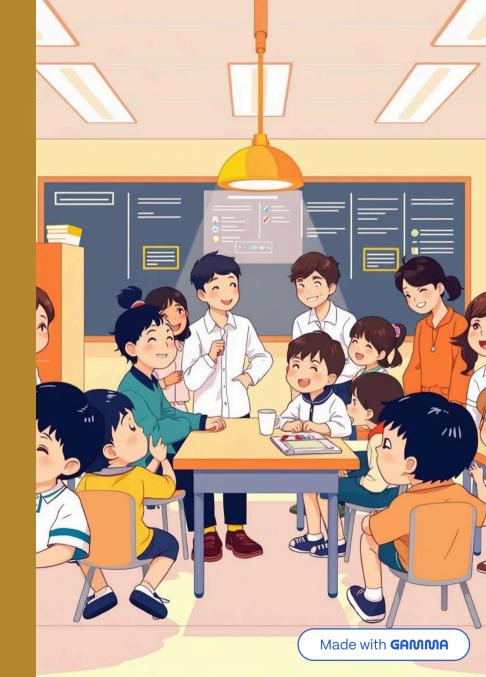| Team Name:	Members:
Hack-Myth	Harshal Mahajan - Teamleader
	Ayush Mishra. - Backend
	Abhay Khare - Frontend

Hackathon:	Date:
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Bridging the Gap in Primary Education

The primary school classroom is a place of wonder, but it faces key challenges that AI can help solve.

For Students:

- **One-Size-Fits-All**

  Learning often happens at a uniform pace, leaving some students behind and others unchallenged.

- **Limited Engagement**

  Repetitive tasks and static content can make learning feel like a chore.

For Teachers:

- **Administrative Burden**

  Grading, lesson planning, and creating materials are time-consuming tasks.

- **Individualized Support**

  It's difficult to provide one-on-one attention to every student's specific needs.

Introducing an Intelligent Assistant for the Classroom

Our solution is a web application that provides AI-powered assistance to both students and teachers, making learning more personalized and teaching more efficient.

For Students:

An interactive platform that provides personalized learning activities.

For Teachers:

A powerful tool that automates administrative tasks and provides data-driven insights.

For Students: A Personalized AI Tutor

Our tool adapts to each student's unique learning style and pace.

1 Adaptive Quizzes

The AI analyzes a student's answers and adjusts the difficulty of the questions in real time, ensuring optimal challenge.

2 Interactive Storytelling

The AI helps students write stories by providing creative prompts, encouraging imagination and literacy skills development.

3 Explainer Bot

Students can ask the AI to explain complex topics in a simple, child-friendly way, using relatable analogies and examples.

Made with GAMMA

For Teachers: A Classroom Sidekick

Our tool automates routine tasks, freeing up teachers to do what they do best: teach.

Instant Resource Generation

Teachers input a topic, and the AI instantly generates age-appropriate quizzes, flashcards, or worksheets.

Personalized Feedback

The AI provides initial feedback on student assignments, highlighting common mistakes and suggesting areas for improvement.

Data Dashboard

A clean, easy-to-read dashboard provides insights into student performance, helping teachers identify struggling students or those needing more challenge.

Future Scope & Impact

Scaling the Impact of AI in Education

Future Features:

- **Image Generation:** The ability for students to generate pictures for their stories directly in the app.

- **Voice-Enabled Interaction:** Allowing students to interact with the AI using their voice for a more natural experience.

- **Parent Portal:** A separate view for parents to track their child's progress and see what they are learning.

Impact:

Our tool isn't about replacing teachers. It's about empowering them to focus on the human side of education—mentoring, inspiring, and engaging with students on a deeper level.

Thank You!

Questions?

Contact Us:
Gmail-erharshalmahajan@gmail.com

GitHub Profile- **https://github.com/harshumaha9977**

LinkedIn Profile-www.linkedin.com/in/harshal-mahajan-07114b333