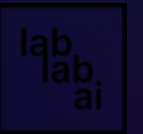




ELIA— Empowered Learning & Interaction Assistant

AI for Teachers & Parents of Kids Aged Nursery–5

Team Name: byteSisters



The Problem



Simplifying Topics

Teachers struggle to simplify complex topics for young kids.



Personalized Guidance

Parents lack tailored support for emotional and educational growth at home.



Limited Resources

Time, resources, and emotional understanding are often limited for both.

There is no easy, AI-powered tool that supports both teachers and parents with kid-friendly learning and support.

Meet ELIA: The AI Assistant for Teachers & Parents

An intuitive app offering:

- **Creative educational help** for teachers
- **Emotionally aware parenting support** for parents

Powered by Groq API, LLaMA model, and [Blackbox.ai](https://blackbox.ai).

Fun, fast, friendly answers — made just for kids aged 3–10.



Core Features by Audience

Teacher Mode

- Customizable response style
- Select class level (Nursery–5)
- Generate Classroom Activities, Worksheets, Quizzes
- Teaching Tips, Weekly Plans, Curriculum Help
- Parent Communication Templates, Peer Collaboration Ideas
- Student Assessment Rubrics

Parent Mode

- Emotionally supportive tone
- Select child's class level
- Get Activity Ideas, Worksheets, Quizzes
- Parenting Help, Weekly Planners
- Sleep Routine & Nutrition Tips
- Interactive Stories, Personalized Learning Plans

UI has separate tabs for Teacher and Parent, with child-friendly filters and easy navigation.

Tech Stack We Used

Web App Interface	Streamlit
AI Model Integration	Groq API + LLaMA
Environment Configuration	python-dotenv
PDF Generation	fpdf
Prompt Engineering	Blackbox.ai
Programming Language	Python

Fast, responsive backend with Groq + LLaMA. Clean Streamlit interface. fpdf for printable content. [Blackbox.ai](#) optimized AI prompt logic.

AI Workflow & User Journey



User Input

Teacher or parent types a question into ELIA.



Prompt Processing

Question processed via LLaMA (Groq API).



Custom Output

ELIA generates a custom quiz, rhyme, or parenting tip.




Instant Answer

Frontend displays the instant answer to the user.

Features are filtered by mode and child age. UI includes tabs for Teacher/Parent, "Ask ELIA" box, and interactive buttons.

See ELIA in Action 🚀




Welcome to ELIA!

Empowered Learning & Interaction Assistant.

- Weekly plans and activities by age/class
- Nutrition, Sleep, Learning support
- AI-generated stories and quizzes
- Worksheets, rubrics, and personalized text

Made with



Parent Mode

Response Style

Fun

Class Level


Nursery

Parent Features

Get Activity Idea

Ask Tips

Generate Response



Teacher Mode

Response Style

Fun

Class Level

Nursery

Teacher Features

Get Classroom Activity

Enter Topic / Area


Generate Response

Examples:


- “Explain gravity to a 5-year-old” → Fun, simple explanation
- “My 6-year-old is scared at bedtime” → AI gives calm routines
- “Quiz on multiplication grade 2” → Printable, 5-question MCQ sheet

🌐 GitHub Repo: [\[URL\]](#)

🌐 Live Project Link

 elia-ai.streamlit.app

Loading...



Made with **GAMMA**

Our Team



Areeba Hanif

Project Lead / Content Designer



Amna

AI Integration Developer



Mehak

UI/UX Designer



Rimsha Atta Ullah

Demo & Tester

Used [Blackbox.ai](#) in development. Each member contributed based on their strength. Real collaboration in 48 hours!