

# A 2-days National Level Hackathon on Al in education

#### **SELECTED AREA NAME**

Team Name - Terminal Titans

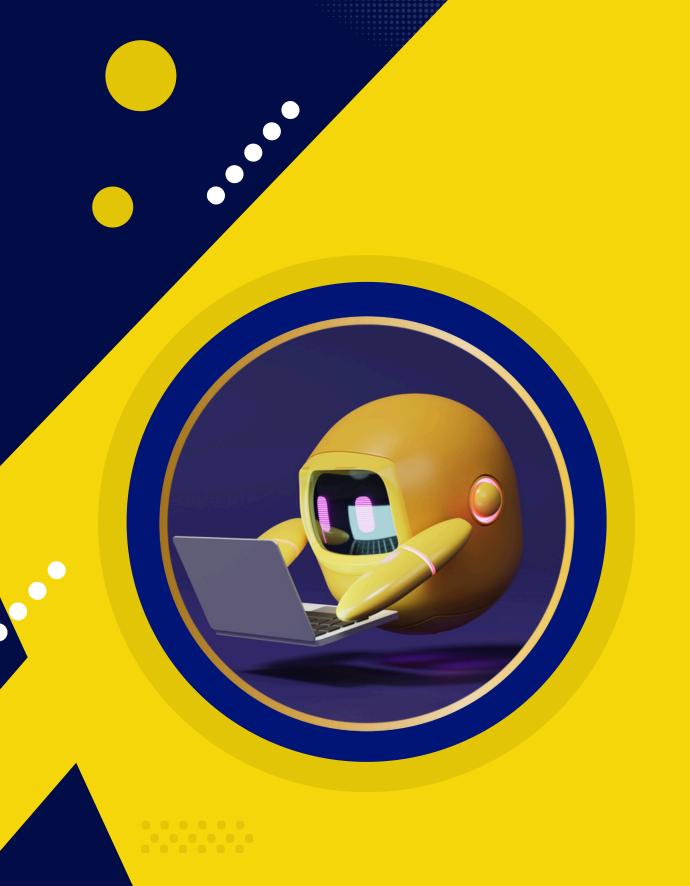
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# AREA OVERVIEW

Inclusive AI education means giving every learner - No matter their background abilities or location -an equal chance to learn about Artificial Intelligence .It focus on making AI learning simple accessible and useful for student with different learning style language and need. The goal is to ensure that no one is left behind in the digital future

#### **IMPORTANCE OF AREA**

We choose this area because AI can be transform education by making assessment more accurate fast and student -friendly which directly improve the quality of learning





# Potential Challenges and Opportunities



Challenges

Lack of access to technology and internet for all students.

Teaching materials may be too complex or not in local languages.

Teachers may not have enough training in Al.

Students with disabilities may find it harder if resources are not inclusive.

Opportunities

Al can create personalized learning for each student's needs.

Learning Al skills can open better jobs and future careers.

Inclusive Al education can reduce the digital gap between rich and poor.

It can help students from all backgrounds become creators, not just users, of technology.





# Preliminary Solution Concept



### Problem statement

 Many learners do not get equal access to AI education because of barriers like limited resources, lack of trained teachers, language differences, and inaccessible materials.
 This creates a gap where only a few students can benefit from AI knowledge, while others are left behind.



## How it works/ solution

<u>Develop INCLUDED AI, an application that</u>

This platform offers features such as:

- 1. <u>Accessibility Demos</u> That show how technology can be used by people with different abilities
- <u>2 Multi format Generter</u> This is a tool that create content or output in different file types of format
- 3. <u>Live captions +translate</u> Means showing spoken words as text in real time and instantly translating them into another language
- 4. AI Storytelling mode Mean using AI to create and narrate stories interactively

# **Key Features**

Here are the key features of Inclusive AI Education for every learner

Accessibility – Tools like text-to-speech, captions, translations.

Personalization – Learning paths tailored to each learner's needs.

Multi-format Support – Content in audio, video, text, interactive formats.

Language Inclusivity – Multilingual support and translation.

Adaptive Assessment – Smart feedback and progress tracking.

Collaboration – Peer learning and inclusive discussions.



# Methodology and process

#### "LINK A PROTOTYPE VIDEO"

## INCLUSIVE AI EDUCATION FOR EVERY LEARNER

**OUR OUTCOME APPROACH** 

**EQUITY** 



**ACCESS** 





**EFFECTIVENESS** 



**ENGAGEMENT** 

# INCLUSIVE AI EDUCATION FOR EVERY LEARNER

STEP BY STEP PROCESS

#### 1. IDENTIFY LEARNER NEEDS



Understand different learners' backgrounds, abilities, languages, and access to technology

# DESIGN INCLUSIVE CURRICULUM



Create AI learning materials that are easy, adaptive, and accessible for all (text, visuals, audio, multiple languages)

PROVIDE SUPPORT & ACCESSIBILITY



Offer extra help for learners with disabilities, provide assistive technologies, and ensure equal opportunities

5. EVALUATE AND IMPROVE







# Target Users and Expected Outcomes



Target Users: Students of all abilities, including those with disabilities, diverse learning needs, and different backgrounds.

Expected Outcome: Equal access to AI-powered learning, personalized support, improved engagement, and better educational outcomes for every learner.



# Impact and benefit

<u>Impact & Benefits of Inclusive AI Education for Every Learner</u>

Equal Access: Removes learning barriers for students with disabilities, language gaps, or different learning styles.

Personalized Learning: Adapts content to individual needs, pace, and abilities.

Global Reach: Connects learners from diverse backgrounds with equal opportunities. Skill Development: Builds digital literacy and future-ready skills.

Improved Outcomes: Boosts confidence, participation, and academic success.





# Technical Approach



BACKEND -: Fast API'S, GEMINI, FIREBASE (DATA BASE), PYTHON

FRONTEND -: HTML, TAILWIND, CSS AND JAVA SCRIPT

**CLASSIFICATION-:** KEYWORD-BASED+NLP

