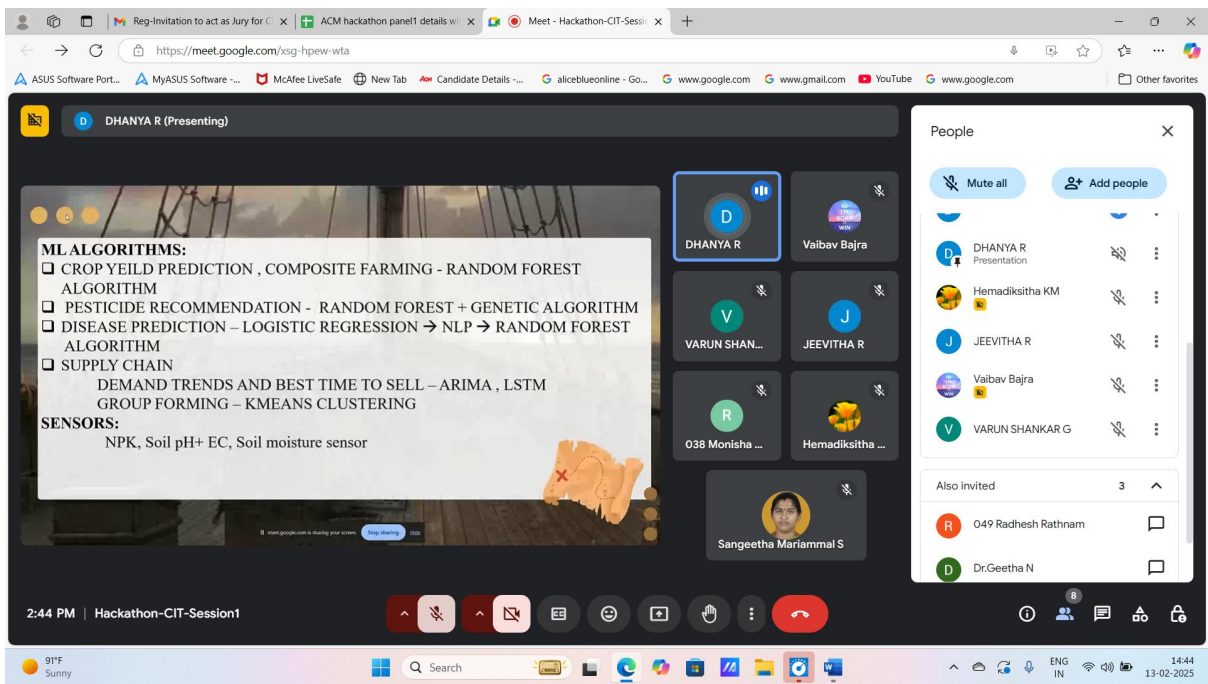


Team 2-Deep Coders



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DHANYA R (Presenting)

ADVANTAGE OVER EXISTING SYSTEM:

EASE OF CONSTRUCTION:

- uses lab tests & weather APIs.
- Pre-built frameworks (Django, Flutter, Firebase).
- Modular AI models (Scikit-learn) for easy crop yield prediction integration.

ECONOMICAL FEASIBILITY:

- Low-cost infrastructure.
- Open-source tech reduces software costs.

UNIQUENESS:

- AI-driven supply chain, no middlemen.
- Fair pricing algorithms for guaranteed profit.
- Mixed crop planting suggestions
- Personalized fertilizer suggestion
- Pre booking with vendors and group selling performance with transparency
- Sustainable pricing suggestions

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Team 1-Code Bugs

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Jananirsi G (Presenting)

HACK

File Assets

Pages

Page 1

Layers

Image 4

Image 2

Component

Desktop - 7

Desktop - 6

Desktop - 5

Desktop - 4

Desktop - 3

Desktop - 2

Desktop - 1

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Ellipse 3

Desktop - 4

Interview Session...

During Interview Session

Sentimental Analysis

Quisiter and Postal Analysis

Body Language

Design Prototype 32%

Prototype settings

No device

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Flows

Removing a connection

To delete a connection, click and drag on either end.

Vaibav Bajra

Jananirsi G

JEEVITHA R

O38 Monisha Suresh

VARUN SHANKAR G

Hemadikisitha KM

Sangeetha Mariamma...

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Jananisri G (Presenting)

SOLUTION PROPOSED:

- Realistic Interview Scenarios: AI-generated dynamic questions tailored to the candidate's background, adapting difficulty based on responses.
- AI-driven Evaluation: Uses NLP & ML to assess answers against ideal responses and evaluate candidate's communication skills.
- Webcam-based Sentiment & Body Language Analysis: Computer vision analyzes facial expressions, eye contact, and body language to assess confidence and emotional state.
- Personalized User Profiling: Customizes interviews based on skills, experience, and industry, tracking performance for improvement.
- Intuitive UI: Boardroom-like setup with realistic avatars, real-time feedback, and adaptive interview flow.

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ENG IN 15:07 13-02-2025

Team 5-Code Crafters

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Hemadiksitha KM (Presenting)

PROJECT DESCRIPTION : Methodology Used :

Automatic Thought Organization

```

graph TD
    A[Extract Data (OCR - Tesseract.js, OpenCV, DeepSpeech)] --> B[Process Text (NLP - spaCy, TF-IDF, LDA)]
    B --> C[Identify & Categorize Topics]
    C --> D[Link Related Thoughts (Cosine Similarity, Graph Model)]
    D --> E[Visualize Mind Map (D3.js)]
    E --> F[Allow User Adjustments & Save]
    
```

AI - Based Summarization

```

graph TD
    A[Extract Content (OCR - Tesseract.js, Speech-to-Text - DeepSpeech)] --> B[Process Text (spaCy - Stopwords Removal, Stemming, Segmentation)]
    B --> C[Extract Key Sentences (TF-IDF, TextRank)]
    C --> D[Generate AI Bullet Points (NLTK, NLP Models)]
    D --> E[Display Summary (React UI, User Editable)]
    
```

AI - Based Topic Suggestion

```

graph TD
    A[Extract Content (OCR - Tesseract.js, Speech-to-Text - DeepSpeech)] --> B[Identify Topics (NER - spaCy, TF-IDF)]
    B --> C[Find Related Topics (Word2Vec, BERT, GloVe)]
    C --> D[Generate AI Suggestions (ConceptNet, Language Models)]
    D --> E[Display Suggestions (D3.js, User Editable)]
    
```

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PAK - SA Game score

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VARUN SHANKAR G (Presenting)

Whiteboard

Start Call | End Call

Hemadiksitha KM

Vaibav Bajra

VARUN SHANKAR G

038 Monisha Suresh

Sangeetha Mariammal S

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SENSEX -0.05%

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Hemadiksitha KM (Presenting)

Whiteboard

NEW BOARD

RECENT BOARDS

Hemadiksitha KM

038 Monisha Suresh

Vaibav Bajra

VARUN SHANKAR G

THAMEAMAEDHARI T

Sangeetha Mariammal S

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Hemadiksitha KM (Presenting)

TECHNOLOGY USED:

- Frontend:** React.js, HTML, CSS, JavaScript.
- Backend:** Node.js, Express.js, Socket.io.
- Database:** Firebase / MongoDB.
- AI Models:** NLP-based text summarization & topic generation (Hugging Face, spaCy).
- Real-Time Communication:** WebRTC, Peer.js.Cloud
- Storage:** Google Drive / AWS S3.

Hemadiksitha KM 038 Monisha Suresh

Vaibav Bajra VARUN SHANKAR G

THAMEAMAEDHARI T POOJA G R

Sangeetha Mariammal S

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Team 3-Trans Idea

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POOJA G R (Presenting)

TECHNOLOGIES AND FRAMEWORKS UTILIZED:

- **Computer vision - OpenCV, TensorFlow**
- **3D Modeling – Blender, Meshroom**
- **Machine Learning - Scikit-learn**
- **Web/App Development - React, Node.js**

POOJA G R 038 Monisha Suresh

Vaibav Bajra THAMEAMAEDHARI T

SANTHIYA P Sangeetha Mariammal S

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POOJA G R (Presenting)

3dmodelblend - Google Drive sample.mp4 - Google Drive Cultural Heritage - About The Wi... x +

https://67a383c24432b-site123.me

Cultural Heritage Home About Services Testimonials Contact Store

Kashmiri Shawl ₹450 Bobble-head doll ₹100 woven wicker basket ₹500 Coconut Shell cups ₹499

Wicker Mat ₹200 Pottery ₹350

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Team 4-Code Hackers

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THAMEAMAEDHARI T (Presenting)

PROBLEM STATEMENT:

How can AI platforms provide personalized learning for rural Indian students, using NLP and adaptive learning to overcome language barriers and lack of qualified teachers?

Problem Context
Reason for Choosing the Problem
 Education is a fundamental pillar of societal progress, yet rural communities often face significant disparities due to limited access to quality teaching.

Why is it Important to Address This?
 Addressing this issue will:

- Empower rural communities by providing better learning opportunities.
- Help students access career prospects beyond their immediate surroundings.

OUR APPROACH:
 we aim to democratize education by developing an AI powered offline learning platform.

It focus on:

- Offline learning libraries
- Overcome language barriers

Chart 1: Trends over time % Children not enrolled in school. By age group and sex, 2009-2021

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THAMEAMAEDHARI T (Presenting)

ADVANTAGE OVER EXISTING SYSTEM:

EXISTING MODEL:

1. Traditional Classroom Education(Government or low-cost schools.)
2. NGO & Community-Based Education


CHALLENGES:

1. Lack of Teacher:
2. infrastructure constraints:

4. Competitive Analysis

Feature	Our AI Tutor	Byju's/Vedantu	Government E-Learning
Works Offline	✓	✗	✗
Supports Local Languages	✓	✗	✗
AI-Driven Personalization	✓	✗	✗
Low Cost / Free Access	✓	✗	✗
Voice-Based Doubt Solving	✓	✗	✗

Unlike Byju's/Vedantu, our app works offline and is low-cost!



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THAMEAMAEDHARI T

POOJA G R

Vaibav Bajra

SANTHIYA P

Sangeetha Mariammal S

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THAMEAMAEDHARI T (Presenting)

SOLUTION PROPOSED:

Future Scope

As we look towards the future, this project focuses on enhancing the app's capabilities by integrating emerging technologies, expanding content, and fostering strategic partnerships.

Enhanced Offline Features:

- *Expanding **offline content management** to store and manage larger educational materials without performance issues.

Partnerships with Enterprises & NGOs:

- *Forming partnerships with **local businesses** to provide **job placements**, internships, and entrepreneurial opportunities for learners.

Collaboration with Government Initiatives:

- *Partnering with **government education programs** to align app content with national curricula and offer **official certifications** for learners completing various training modules.

Uniqueness:

- **Dynamic Content Updates in an Offline App**
 Syncing - Update via background sync (Work Manager) with delta updates
- **Vocational and Practical Skill Development:**
- **Multilingual and Region-Specific Content:**
 Preload Content - Store materials in the app (MongoDB) or external storage
 Offline AI - Use TFLite, ML Kit, or

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THAMEAMAEDHARI T

POOJA G R

Vaibav Bajra

Sangeetha Mariammal S

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THAMEAMAEDHARI T (Presenting)

File C:/Users/thame/OneDrive/Desktop/HACKATHON/ASCI%20-%20Hackathon/landingpage/login.html

Login / Signup

thameam@gmail.com

Password thameam@gmail.com thameam12@gmail.com

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THAMEAMAEDHARI T (Presenting)

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AI Chatbot

hello

Hi there! How can I help you today?

Hello,

whd

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