

**National Engineering College, K.R. Nagar, Kovilpatti – 628 503**

*(An Autonomous Institution, Affiliated to Anna University, Chennai)*

**Department of Artificial Intelligence and Data Science**

**DigitalT3 Hackathon**

**VIDQUEST**

Intelligent Q&A Generation from YouTube Videos

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# Problem Statement(Why?)

- YouTube is a major learning resource, but extracting key information from videos is often time-consuming and inefficient.
- Educators and learners struggle with retaining important points and engaging interactively.
- With millions of videos uploaded daily, there's a need for an automated solution to turn passive viewing into an active, structured learning experience by generating questions and answers



# Solution(What?)

Vidquest an interactive learning tool and automatic question and answering system

- Transforms YouTube videos into interactive learning resources.
- Extracts text from videos and generates relevant questions and answers.



# Why Transcription Analysis makes Difference (So What?)

- Users receive accurate information without searching manually, boosting efficiency and engagement
- Enhances understanding and use of video resources, ideal for educational and informational contexts.
- Sets a new standard for interactive, context-aware chatbots, improving functionality and usability.



# Model Developed(How?)

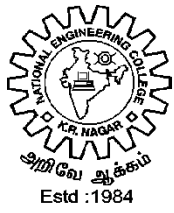
Vidquest works as:

- Video Content Analysis
- Custom Responses Based on Transcript
- Interactive Chatbot Capabilities



# Future Work

- AI designed and trained for a specific task, such as image recognition or language translation.
- Implement advanced natural language processing techniques to refine the quality and relevance of generated questions and answers.



# Thank You