



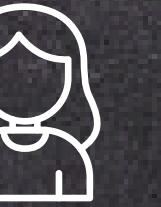
# AI QUIZ GENERATOR



A Smart Automation for Staff-  
Student Interaction

{ 13 - 03 - 2025 }

# TEAM MEMBERS



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# ABSTRACT

This paper introduces an AI-powered quiz generator that automates quiz creation for students based on PDFs uploaded by teachers.



Using NLP and the Gemini API, the system extracts key concepts, generates questions, and delivers them to students through a dashboard

# INTRODUCTION

- Overview of AI in education
- Challenges in manual quiz creation



# PROBLEM

## Statement

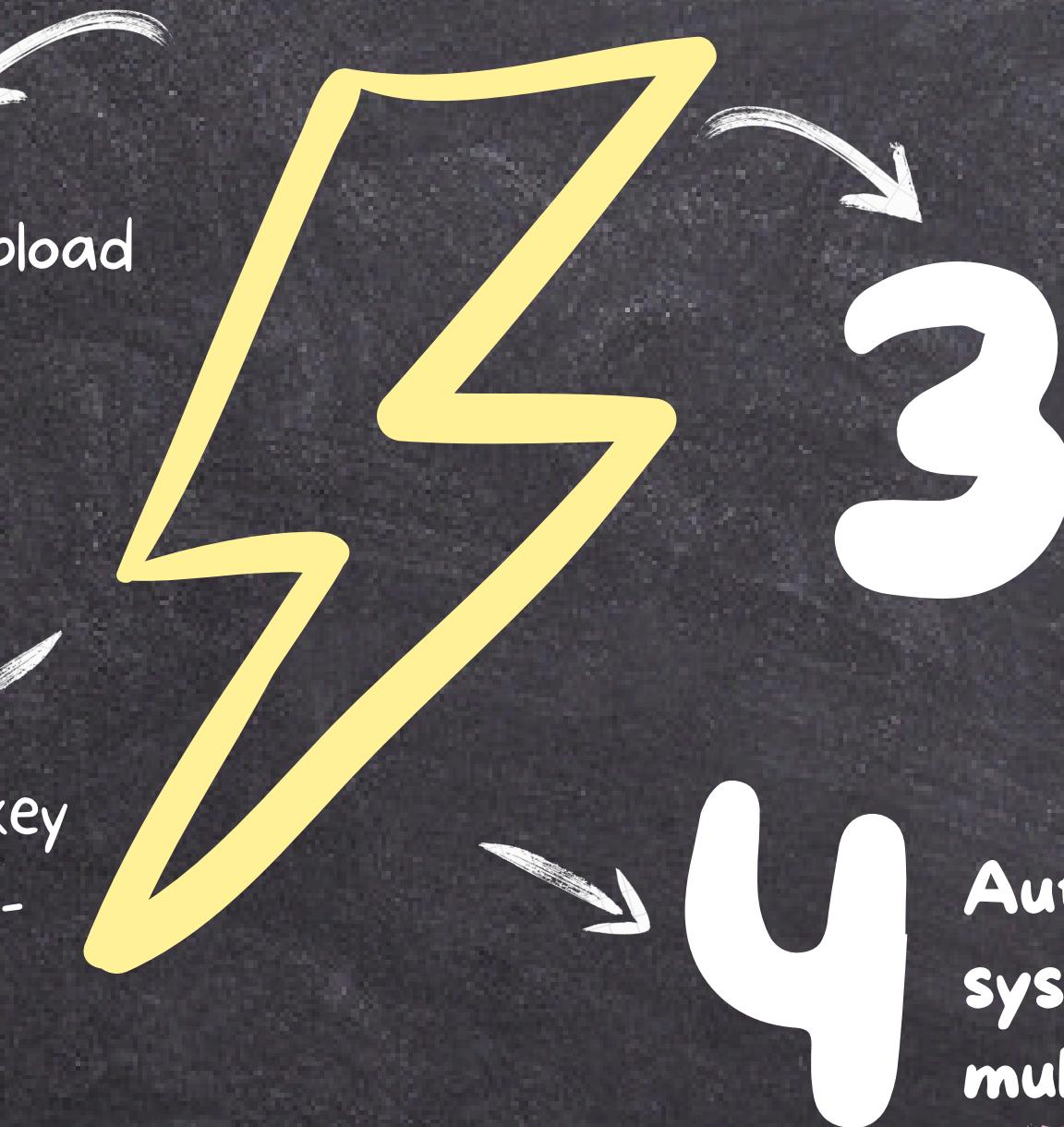
Teachers spend significant time preparing quizzes manually

Lack of adaptive learning in traditional quiz systems

Need for an automated and efficient quiz generation system

# 2

AI Processing: NLP extracts key topics, generates MCQs, short-answer questions, and more



# 3

Student Dashboard: Students access the generated quiz in real-time

# 4

Automation & Evaluation: The system can auto-score multiple-choice questions

## PROPOSED SYSTEM

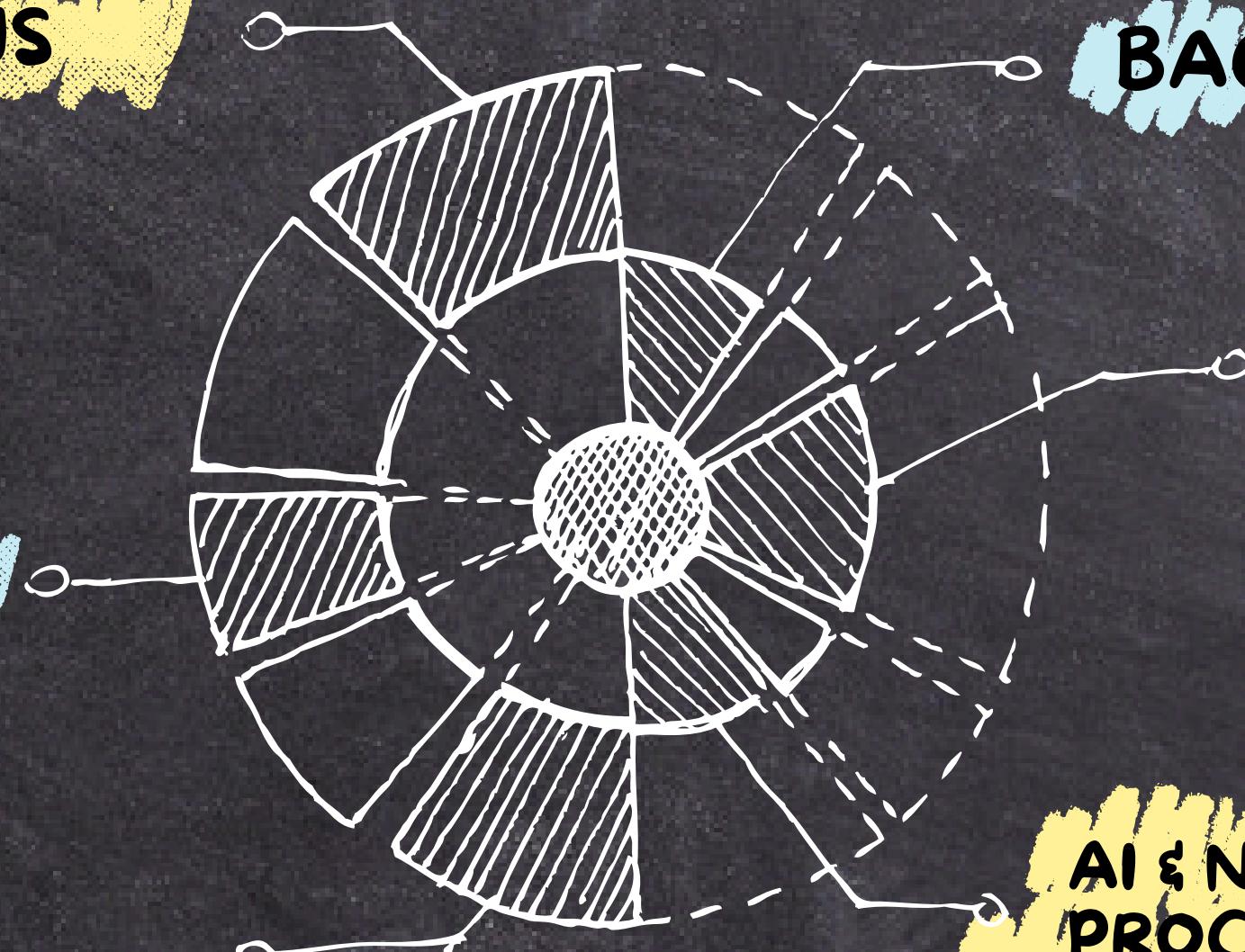
# TECHNOLOGY STACK

FRONTEND: REACT.JS

BACKEND: PYTHON

DATABASE: MYSQL

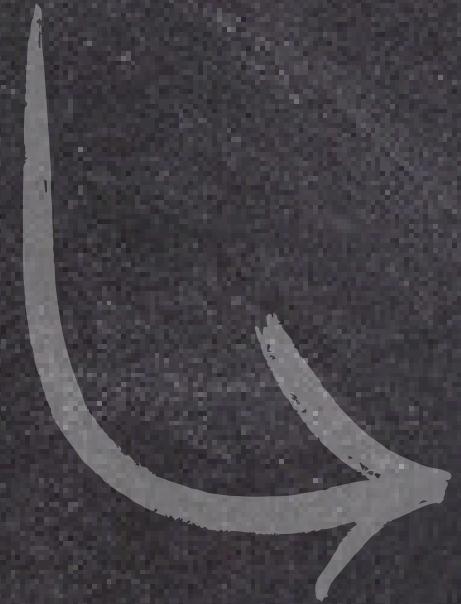
AI & NLP: GEMINI API FOR TEXT  
PROCESSING AND QUESTION  
GENERATION



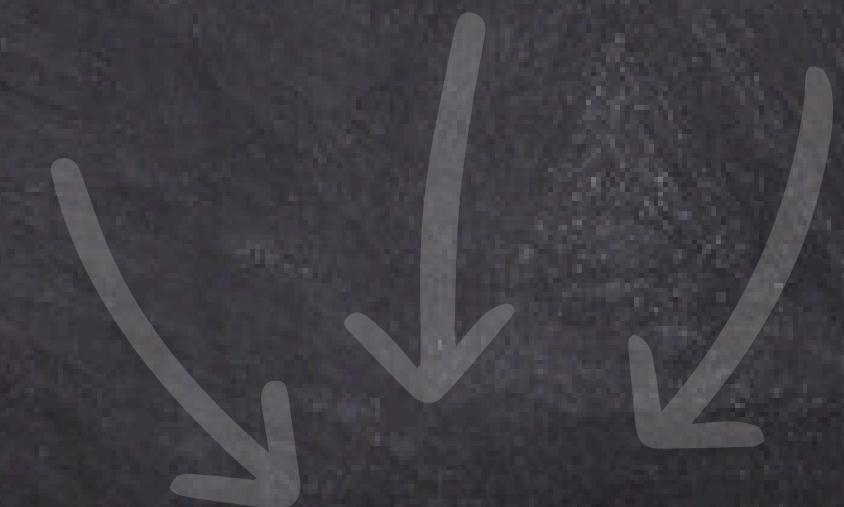
# ADVANTAGES

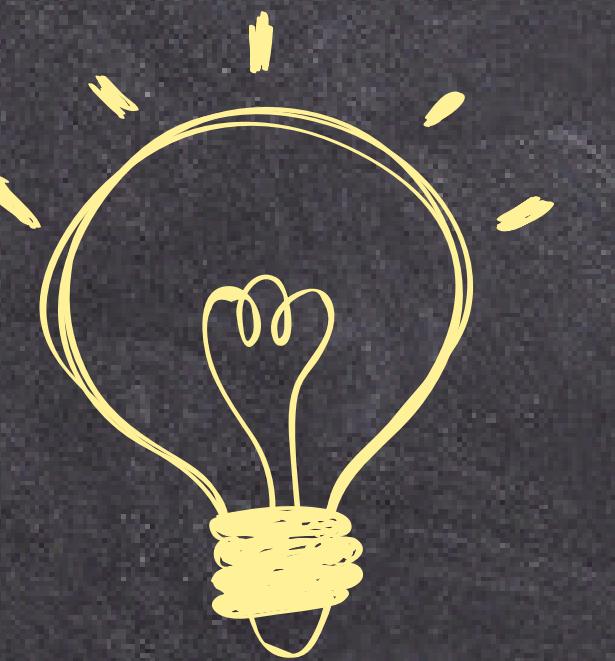
- 1. Saves time for teachers
- 2. Enhances student learning with AI-driven questions.
- 3. Provides instant quiz generation
- 4. Supports multiple question formats

# CONCLUSION



The AI Quiz Generator transforms traditional assessments by integrating **NLP** and AI automation, making education more interactive and efficient.





thank\_You

ROHINI

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