

Okay, let me think through this carefully.

The user wants a quiz generator based on provided lecture material about AI systems and technologies used in various projects. They're specifying easy difficulty and general knowledge questions across all mentioned topics - the main context-aware Q&A; system, face recognition project, PPE detection system, and other related activities.

Looking at the material, there are several key elements to cover:

- The AI Quiz Generator app (core topic)
- Technologies used in projects
- Brief details about individual contributions
- Extracurricular activities mentioned

For easy questions, I should focus on basic facts rather than deep technical knowledge. Each question needs 4 plausible options with only one correct answer.

Considering the format requirements:

- Q1 to Q5 numbering
- Questions and four options (A-D)
- Clear "Answer:" field for each showing the correct letter

I'll make sure to test general awareness about:

- 1) Which project is described as an AI-powered quiz generator
- 2) The main framework used in context-aware apps
- 3) Technologies mentioned in projects
- 4) Extracurricular activities participation
- 5) Role of Streamlit across different applications

The questions should be straightforward with clear answer choices to maintain easy difficulty. I'll avoid ambiguous phrasing and ensure the correct answers are unambiguously identifiable from the material.

Okay, here is a set of 5 multiple-choice questions focusing on general knowledge about the uploaded lecture material:

Q1. Which project was specifically designed for generating AI-powered quizzes based on PDF materials?

- A) Frictionless Workforce & Asset Tracking System
- B) Safeguard AI (PPE Compliance Detection)
- C) Q&A; – RAG-Based Document Question Answering System

D) CodeRush Academic Competition

Answer: C

Q2. What is the primary purpose of the 'Safeguard AI' system mentioned in the material?

A) To generate multiple-choice quizzes from PDFs

B) To build an enterprise system for workforce tracking and safety monitoring (Face recognition)

C) To detect Personal Protective Equipment (PPE) compliance in real-time

D) A code competition participation

Answer: C

Q3. Which technology was used for detecting objects like helmets, vests, gloves, and boots?

A) FAISS similarity search

B) YOLOv8 object detection algorithm

C) PyMuPDF library

D) OpenCV image processing library

Answer: B

Q4. In addition to the context-aware Q&A; system, which other Streamlit-based application was designed for uploading PDFs and downloading quizzes?

A) The PPE Detection System

B) The Face Recognition Module backend service

C) The AI Quiz Generator (described in Query)

D) None of the above

Answer: C

Q5. Which individual is listed as a Senior Lecturer at the University of Moratuwa?

A) Uvini Matara Arachchi

B) Dr. Thilini Piyatilake

C) The developer of the Frictionless Workforce system

D) A participant in CodeRush

Answer: B