

## **ABSTRACT**

# **AI STUDY ASSISTANT**

The AI Study Assistant is an intelligent learning assistant designed to help students understand and revise academic content efficiently. In today's digital era, students use multiple sources such as PDFs, websites, and personal notes, which makes organizing and summarizing information time-consuming. This project aims to simplify the learning process by automatically generating summaries, key points, practice questions, quiz, and weakness analysis from uploaded study materials.

The system uses Natural Language Processing (NLP) techniques to analyze text content and extract meaningful insights. Users can upload documents, paste notes, or provide website links, and the system processes the content to create concise study materials. This helps students save time, improve understanding, and enhance exam preparation.

The AI Study Assistant provides a user-friendly interface and supports interactive learning by generating quiz questions and revision notes. Overall, the system acts as a smart academic companion that makes studying more efficient, organized, and effective.

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