INTERNATIONAL ONLINE HACKATHON - AI to GLOW
(Artificial Intelligence to Generate Limitless Opportunities Worldwide)

GLOW@VITB

Team No - GLOW - 084

Domain Name : Artificial Intelligence

Title - AI for Smart Document Summarization and Automated Question Generation

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III Year

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Title

AI for Smart Document Summarization and Automated Question Generation

Problem Statement

The app extracts key information from PDFs and websites, answers questions, generates summaries, and creates relevant questions, making information retrieval easier.

Methodology

- **Data Input:** Users upload PDFs or enter text/URLs, which the app processes for analysis.

- **Natural Language Processing (NLP):** Hugging Face models and Gemini API are used to extract key information, generate summaries, and answer questions.

- **Question Generation:** NLP techniques analyze the text and create relevant questions based on the content.

- **User Interface:** The app is built using Streamlit, providing an interactive and user-friendly experience.

Outcome

- **Quick Summaries:** Extracts important points from long text in seconds.
- **Automatic Question Generation:** Creates relevant questions to help with learning.
- **Accurate Answers:** Provides correct answers based on the given text.
- **Easy to Use:** Simple interface with Streamlit for smooth interaction.
- **Time-Saving:** Helps users quickly understand and process large amounts of information.