BuzzPro'25 Technical Paper presentation Competition

Title :

Sustainable Goal: 4

Group Number: 1
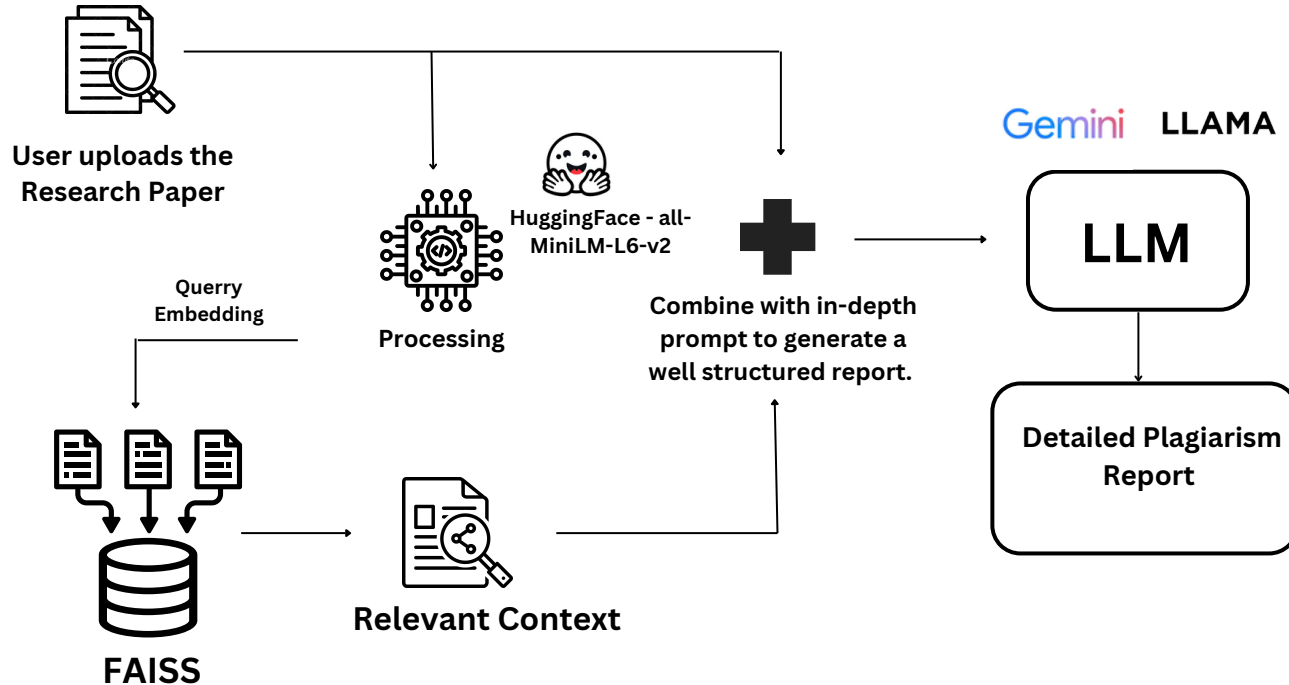**Group Members**:
Ayush Attarde
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Problem Definition with Proposed Solution

1. **Traditional plagiarism tools fail to detect AI-generated and paraphrased content, compromising academic integrity.**

2. **Existing solutions are fragmented, making research evaluation inefficient.**

3. **Researchers need an AI-driven platform for accurate, automated, and comprehensive content assessment.**

Methodology & Block Diagram / Conceptual Diagram / Algorithm and Process Design

Results & Conclusion

Scholarmate utilizes advanced AI models such as LLaMA and Gemini, combined with Retrieval-Augmented Generation (RAG) and FAISS for similarity search, to automate research paper evaluation. It improves accuracy, scalability, and productivity in academic research.

Feature	Turnitin	Grammarly	QuillBot	Scholarmate
Plagiarism Detection	Yes	No	No	Yes
AI Detection	No	No	No	Yes
Grammar Check	No	Yes	No	Yes
Paraphrasing	No	No	Yes	Yes
Summarization	No	No	No	Yes
Citation Analysis	No	No	No	Yes
Readability Scoring	No	Yes	No	Yes
Multilingual Support	Limited	Yes	Yes	Yes

COMPARISON OF SCHOLARMATE WITH EXISTING TOOLS