

✔ Tech Stack Mapping

| Component | Technology/Library |
|------------------------------|--------------------------------------|
| Frontend | Streamlit |
| PDF Processing | PyMuPDF |
| Text Preprocessing | NLTK, spaCy |
| Concept Extraction | BERT, TF-IDF, spaCy |
| Question Generation | T5, GPT (Hugging Face Transformers) |
| Answer Evaluation | Cosine Similarity, BERT Embeddings |
| Adaptive Feedback & Tracking | Custom Logic, Charts in Streamlit |
| Database | SQLite or JSON-based storage (local) |



