Sample Document for Testing

This is a sample document for testing the document-based question answering system.

The system should be able to:
1. Extract text from PDF documents
2. Chunk the text into smaller pieces
3. Generate embeddings for each chunk
4. Store embeddings in a FAISS index
5. Answer questions based on the document content

Key features include:
- Local operation without internet
- Multiple PDF processing engines
- Configurable chunking parameters
- Vector similarity search
- Local LLM integration

This document contains information about the AI Engineer Coding Challenge and demonstrates the capabilities of the RAG (Retrieval-Augmented Generation) system for document-based question answering.

The system uses advanced NLP techniques including:
- Sentence transformers for embeddings
- FAISS for efficient similarity search
- Local language models for answer generation
- Text preprocessing and cleaning

This test document should be processed successfully by the ingestion pipeline and should allow for meaningful queries about its content.