

1. Features You Can Include

File Conversion Module

1. Multi-format Document Conversion

- Convert between formats such as PDF, DOCX, XLSX, PPTX, etc.
- Merge multiple PDFs into one.
- Split a PDF into multiple smaller files.
- Compress file sizes for PDFs and images.

2. Image Conversion Features

- Convert image formats (PNG, JPG, BMP, TIFF, SVG).
- Resize, crop, and compress images.
- Convert images to grayscale or add basic filters.

3. Audio Conversion Features

- Convert between MP3, WAV, AAC, FLAC, OGG.
- Normalize audio levels.
- Extract audio from video files.

4. Video Conversion Features

- Convert video formats (MP4, AVI, MKV, MOV, WebM).
- Trim videos or extract specific frames.
- Change resolution or compress video files.

5. Batch Processing

- Allow users to convert multiple files in a single operation.

2. Possible Conversions

File Conversions (Non-AI)

- **Documents**

- PDF ⇌ DOCX
- DOCX ⇌ TXT
- XLSX ⇌ CSV
- PPTX ⇌ PDF

- **Images**

- PNG ⇌ JPG
- JPG ⇌ SVG
- PNG ⇌ TIFF

- **Audio**

- MP3 ⇌ WAV
- AAC ⇌ FLAC
- OGG ⇌ MP3

- **Video**

- MP4 ⇌ AVI
- MOV ⇌ MP4
- MKV ⇌ WebM

AI-Powered Module

1. Speech-to-Text

- Transcribe audio files into text.
- Multi-language support.
- Generate transcripts with timestamps.

2. Text-to-Audio (TTS)

- Convert text documents into audio (MP3, WAV).
- Choose from multiple voices and languages.

3. Image-to-Text (OCR)

- Extract text from scanned documents or images.
- Process handwritten notes into text.

4. Translation Services

- Translate text from one language to another.
- Option for live audio translation.

5. Audio-to-Audio Translation

- Translate spoken language audio into another language.

6. Summarization Tools

- Summarize long documents or audio files using NLP techniques.

7. AI Image Enhancements

- Automatically upscale low-quality images.
- Apply artistic styles or filters.

8. Video Captioning

- Generate subtitles for videos using AI transcription.

9. Document Classification

- Automatically categorize uploaded documents (e.g., resumes, invoices).

10. Sentiment Analysis

- Analyze the sentiment of provided text or audio content.
-

AI-Powered Conversions

- **Speech**
 - Audio (MP3, WAV) → Text (Transcription).
 - Text (DOCX, TXT) → Audio (TTS).
 - **Images**
 - Scanned Image (JPG, PNG) → Text (OCR).
 - Handwritten Notes → Text (Handwriting Recognition).
 - **Documents**
 - Full Document → Summarized Text.
 - Language A → Language B (Translation).
 - **Audio-Visual**
 - Audio (Speech) → Translated Audio.
 - Video (MP4, AVI) → Subtitles (SRT).
 - **Others**
 - Enhanced Image Resolution.
 - Artistic Image Rendering.
-

3. Advanced Features to Consider

- **Drag-and-Drop Interface**

Simplify file uploads with drag-and-drop functionality.
- **Real-Time Processing Progress**

Display progress bars for ongoing conversions.
- **User Authentication**

Allow users to save conversion preferences and track file history.
- **Cloud Integration**

Allow users to upload files directly from Google Drive, Dropbox, or OneDrive.

- **Download Options**

Enable downloading converted files in zipped format for bulk processing.

- **Conversion History**

Save user conversion logs with timestamps.