# API Documentation

## Summarize Text API

### Endpoint

`POST /api/summarize-text`

### Request Body Parameters

1. File: Choose the file containing the text for summarization.

2. Summarized Range: Specify the range or length for the summarization.

3. Format of Text: Choose between bullet points or paragraphs for the summarized content.

4. Submit Button: Trigger the API to process the request.

Request Example

json

{

"file": "<file\_content>",

"summarized\_range": "very\_shote,Short,medium,Long",

"format\_of\_text": "bullet\_point,paragraph(default)"

}

Response Parameters

1. Original Text The extracted text from the given file.

2. Summary Text: Summarized content based on the specified range.

3. Keywords: An array of keywords extracted from the original text.

4. Statistics:

- Word Count: Number of words in the original text.

- Sentence Count: Number of sentences in the original text.

- Average Sentence Length: Average length of sentences in the original text.

5. Formatted Text: Text formatted based on the selected format.

Response Example

json

{

"original\_text": "Should display the extracted text from given files",

"summary\_text": "Should display a summarized version of the extracted text based on the specified range",

"keywords": ["keyword1", "keyword2", "keyword3"],

"statistics": {

"word\_count":

"sentence\_count":

"average\_sentence\_length":

},

"formatted\_text": "Formatted text based on the bullet point format"

}

```

keywords:

Request Body Parameters

1. \*\*Selected Keywords\*\*: Comma-separated keywords for custom summarization.

2. \*\*Format Choice\*\*: Choose between bullet points or paragraphs for the summarized content.

### Request Example

```json

{

"selected\_keywords": "keyword1, keyword2, keyword3",

"format\_choice": "bullets"

}

```

### Response Parameters

1. Extracted Text: The original text after custom summarization.

2. Summarized Content: Summarized content based on the selected keywords.

3. Statistics:

- Word Count: Number of words in the original text.

- Sentence Count: Number of sentences in the original text.

- Average Sentence Length: Average length of sentences in the original text.

4. Formatted Text: Text formatted based on the selected format.

5. Format Choice: The chosen format for the summarized content.

Response Example

json

{

"extracted\_text": "Original text after custom summarization",

"summarized\_content": "Summarized content based on selected keywords",

"statistics": {

"word\_count":

"sentence\_count":

"average\_sentence\_length":

},

"formatted\_text": "Formatted text based on the bullet point format",

"format\_choice": "bullets"

}

## Note for Frontend Team

- \*\*Font Size\*\*: 10mm

- \*\*Font Style\*\*: Calibri Light

**Translation API**

### Endpoint

`POST /api/translate-text`

### Request Body Parameters

1. File: Choose the file containing the text

2. Target Language\*\*: The language to which the text should be translated.

### Request Example

```json

{

"source\_text": "This is the text to be translated.",

"target\_language": select the language ex:"te"(Telugu)

}

```

### Response Parameters

1. Original Text: The original text sent for translation.

2. Translated Text: The text translated into the specified target language.

3. Translator Information:

### Response Example

```json

{

"original\_text": "This is the text to be translated.",

"translated\_text": "ఇది అనువాదించబడింది.",

"translator\_info": { Translation should only 500 token/words}

"

}

## Note for Frontend Team

- \*\*Font Size\*\*: 10mm

- \*\*Font Style\*\*: Calibri Light

**Speech Processing API**

Endpoint

POST /api/speech

Request

Request Body Parameters

text (optional): The text data that needs spelling and grammar correction.

speech (optional): If provided, the API will recognize and correct speech data.

Request Example

json

{

"text": "This is an example text for correction."

}

OR

json

Copy code

{

"speech": true

}

Response

Response Body Parameters

corrected\_text: The text after spelling and grammar correction.

Response Example

json

{

"corrected\_text": "This is an example text for correction.",

}

Error Response

If the request is invalid or does not contain valid data, an error response will be returned.

json

{

"error": "Invalid request. Provide either 'text' or 'speech' data."

}

Notes for API Usage

The API accepts either text or speech data for processing.

If text is provided, it corrects spelling and grammar in the text.

If speech is set to true, it recognizes and corrects speech data.

Ensure that the request body is valid JSON.

## Note for Frontend Team

- \*\*Font Size\*\*: 10mm

- \*\*Font Style\*\*: Calibri Light

**Text-to-Speech API**

Endpoint

`POST /api/text-to-speech`

Request

Request Body Parameters

File: Choose the file containing the text for summarization.

Request Example

```json

{

"file\_path": "312079761-Telugu-Kavithalu.pdf"

}

```

Response

Response Body Parameters

- `status`: Indicates the status of the processing.

- `message`: Additional information or error message.

Response Example (Success)

```json

{

"status": "success",

"message": "Audio is playing."

}

```

Response Example (Error)

```json

{

"status": "error",

"message": "Error processing file."

}

```

## Notes for API Usage

- The API processes a Telugu PDF file, extracts text, and converts it to speech.

- The `file\_path` parameter should be provided in the request body.

- Ensure that the PDF file exists at the specified path.

- The response includes a status indicating success or error and an accompanying message.