

## Software Requirements Specification (SRS)

### Language Translator Web Application (English to Hindi)

#### 1. Introduction

##### Purpose:

This document describes the requirements of an English to Hindi Language Translator Web Application using NLP.

##### Scope:

The system translates English text into Hindi using a neural machine translation model and provides results via a web interface.

#### 2. Overall Description

The application is a standalone web-based system built using Python Flask and NLP models.

#### 3. Functional Requirements

- Accept English text input
- Translate text using NLP model
- Display Hindi output
- Handle errors and empty inputs

#### 4. Non-Functional Requirements

- Fast response time
- High usability
- Secure and reliable system

#### 5. Technologies Used

- Python
- Flask
- Hugging Face NLP Model
- Render Deployment

#### 6. Conclusion

The system provides accurate and efficient translation using modern NLP techniques.