

PROJECT PROPOSAL

TrioTech Titans

TABLE OF CONTENTS

01

THE PROJECT

02

KEY FEATURES

03

TECHNOLOGY STACKS

04

PROJECT GOALS

05

NLP

06

OUR TEAM



OUR TEAM

We are TrioTech Titans, a Team of three tech enthusiast with diverse skills in Machine Learning and UI|Ux Design. Our Combined expertise allow us to tackle complex problem with innovative ideas



01

LINGUABRIDGE

Seamless Transition for
Inclusive Education

ABOUT THE PROJECT

To develop a high-accuracy translation system named Linguabridge that converts English text into multiple Indian regional languages, reducing the need for human proofreading and enhancing accessibility for non-English speakers

KEY FEATURES GOES HERE!

- High-Accuracy Translation
 - Utilisation of NLP
- Minimal Human input
 - Implement auto spell-checking tools
- Support of multiple languages
 - Availability of 22 regional languages
- User friendly interface
 - Developing a Web based application

TECHNOLOGY STACK

BACKEND

Backend :
Python, Tensorflow, Pytorch
NLP Models : BERT, mBERT, or
other transformer models
Database: MongoDB

FRONTEND

FrontEnd: HTML, CSS3

Deployment: Docker, Kubernetes,
AWS

PROJECT GOALS

GOAL 1

- A robust translation system capable of delivering high accuracy translation

GOAL 3

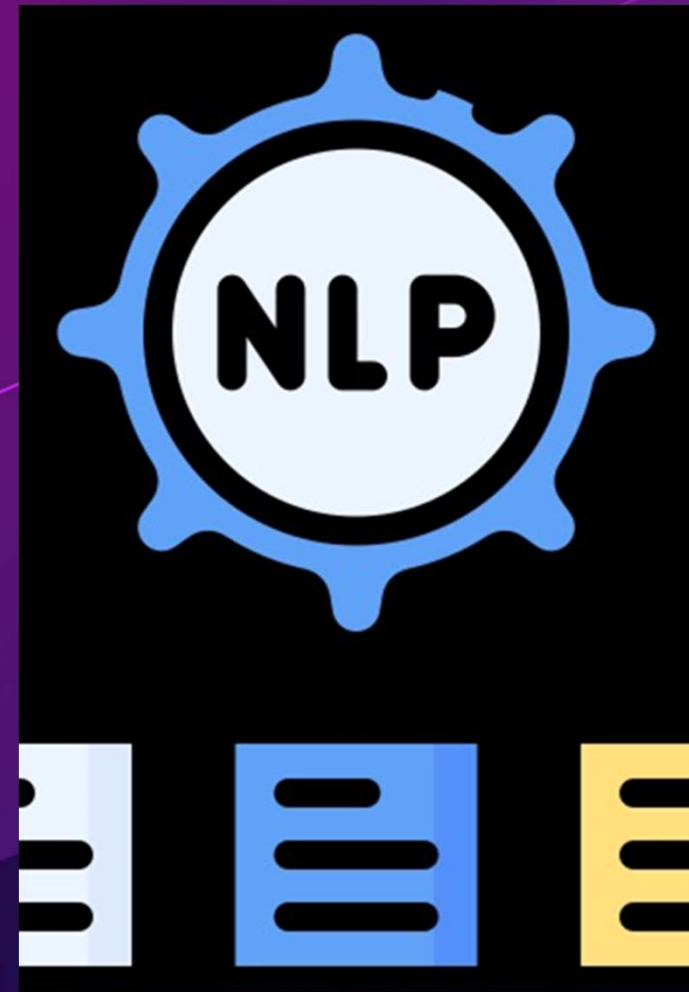
- Significant reduction in time spent on manual translation, allowing to focus on innovation

GOAL 2

- Enhanced accessibility to critical resource material for non english speakers

A PICTURE ALWAYS REINFORCES THE CONCEPT

Natural Language Processing is a field of artificial intelligence that focuses on the interaction between computers and human through natural language, enabling machines to understand, interpret, and generate human language.



OUR TEAM

DARSHAN R

23CSII75

ANSHUMAN P.S

23CSI332

FAKRUDEEN S

23CSI205