

INtra: Translation Tool



Idea / Approach Details

Category: Software


College Code: 1-3767473451

Problem Code: VS940

Ministry Name: University
Grants Commission (UGC)

Team Name: FORAGE

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PROBLEM STATEMENT

"In order to exponentially enhance the use of Hindi Language in official matters, there is need to develop effective and real time translator for English to Hindi language translation and vice-versa. Develop a robust translator using NLP To develop a translator for translating Hindi to English and vice versa"

ABOUT THE PROJECT:

HOW IS THIS IDEA UNIQUE?

- Allows users to translate not only text but also audio, image, doc and even videos.
- We give users feature to translate pre existing docs, images and videos
- These features are collectively not available on a single software.

WHAT KIND OF IMPACT WILL IT HAVE?

- This will help break the language barrier among diff sections of society.
- Promote the usage of Hindi as official language.
- This will help people to read and understand holy scriptures in their respective native language.

IS THIS FEASIBLE ?

NLP being the backbone of the project helps us to use pre-existing translation libraries which helps us to save the time and connect others features with it.

AGENDA STYLE

01

Problem Prototype

Our prototype for
problem of official
usage of Hindi
language of UGC

02

Technology Stack

We have described
the technology we
need here

03

UML Diagram

We have described
the Use Case
Diagram here

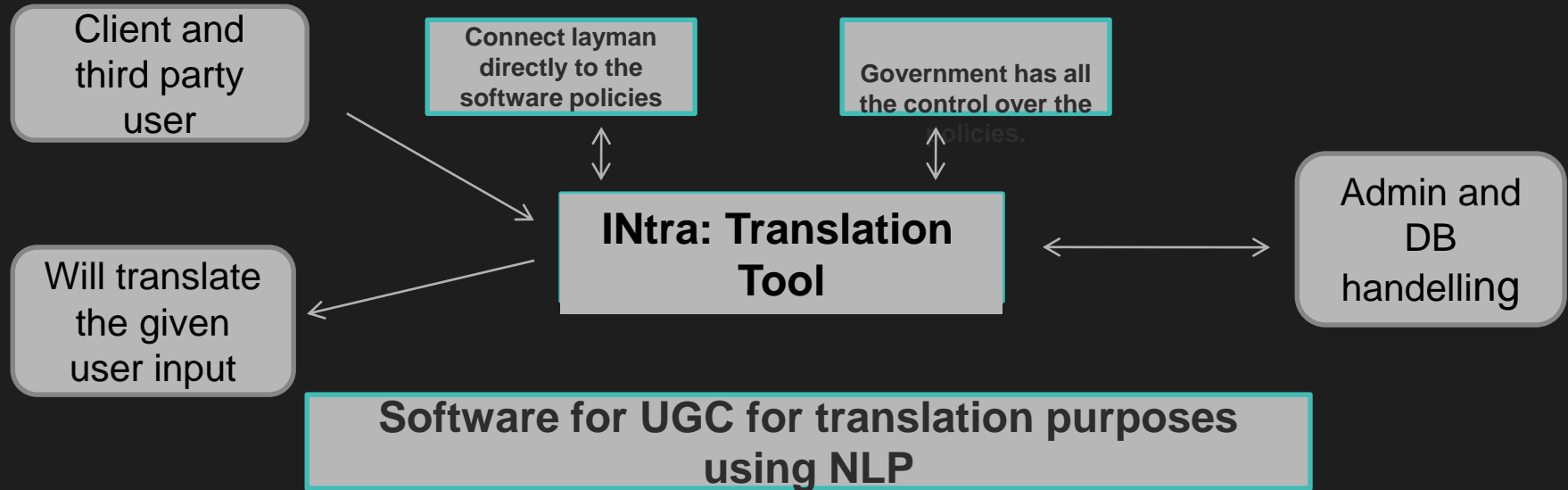
04

Show Stopper/ Dependencies

We have described
the things on which
we are dependent

Problem Prototype

The idea is to create a software which will help UGC for translation of Hindi to English or vice-versa. This will help to promote the usage to Hindi language even for official purposes.



TECHNOLOGY STACK



FRONTEND:
HTML, CSS, JAVASCRIPT, FLUTTER



BACKEND:
PYTHON, DJANGO

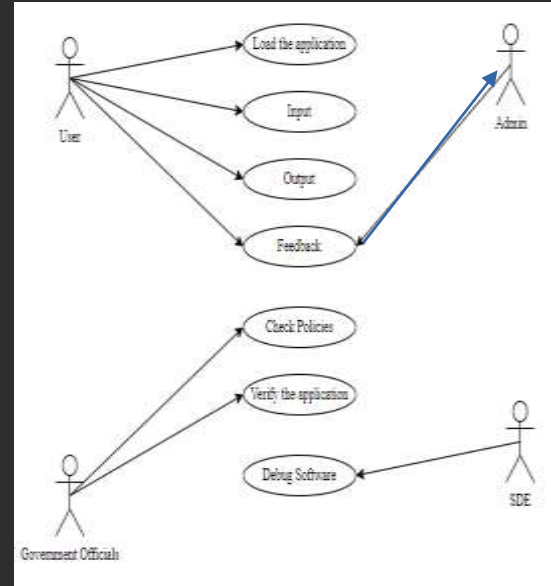
UML Diagram

User: Will use the software for their use.

Government Official: They will check the policies and verify app and website.

Admin: Will check all the feedback and queries.

SDE: Will do the necessary updation required in the software.



Dependencies / Show Stopper



1

Malware can be a show stopper

2

Using Slang as a input that is to be translated

3

Bugs can cause the malfunctioning in the software

