



**SMART INDIA
HACKATHON
2022**

Basic Details of the Team and Problem Statement

Ministry: Ministry of External Affairs (MEA)

PS Code: LC1075

Problem Statement Title: Use of technology in overcoming language barriers.

Team Name: Tech Phantoms

Team Leader Name: Jay Thakkar

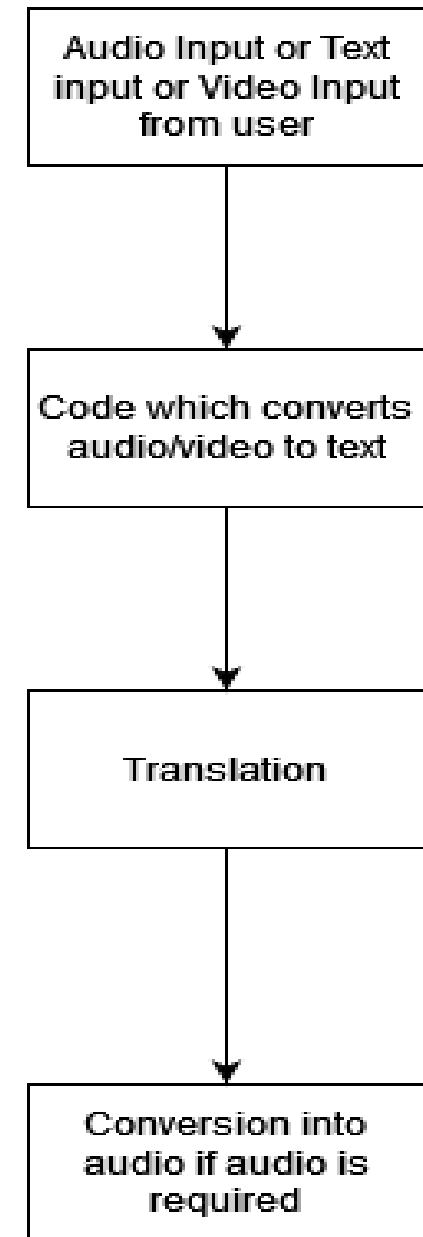
Institute Code (AISHE): U-0873

Institute Name: P P Savani University SOE

Theme Name: NLP

Idea/Approach Details

- First we need to ask or get input from user as audio or text or video format.
- Then we need to convert it into text format if format of text is not inserted by user and then translate into desired language chosen by user then again convert it into audio format.
- Currently use of python3 and JavaScript is what we have researched for this particular task to make it easier and to solve it more efficiently.
- Concepts of NLP and ML will be used and to make API concepts of Django and JavaScript



Idea/Approach Details

Use Cases

- Translation of various videos or audios or lectures where language is a barrier to learn can be removed.

Dependencies / stopper

- Code Mix is a great stopper when it comes to translation which decreases accuracy to a great extent.
- We can not overcome it in short period of time but yes we are researching it effectively.
- Dependencies we are thinking is a high end server because as of now we are thinking to implement webapp for start and then develop it further.

Team Member Details

Team Leader Name: Jay Thakkar

Branch: Btech	Stream: ML/AI	Year: II
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Team Member 1 Name: Jils Vaghasiya

Branch: Btech	Stream: IT	Year: II
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Team Member 2 Name: Hardi Virani

Branch: Btech	Stream: IT	Year: II
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Team Member 3 Name: Yash Dungrani

Branch: Btech	Stream: IT	Year: II
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Team Member 4 Name: Mann Savani

Branch: Btech	Stream: CE	Year: II
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Team Member 5 Name: Kush Patel

Branch: Btech	Stream: CE	Year: II
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Team Mentor 1 Name: Ravirajsinh Chauhan

Category: Academic	Expertise: WebTech & ML	Domain Experience (in years):
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Team Mentor 2 Name: Type Your Name Here

Category (Academic/Industry):	Expertise (AI/ML/Blockchain etc):	Domain Experience (in years):
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