



Smart India
Hackathon 2023

Basic Details of the Team and Problem Statement

Ministry/Organization Name/Student Innovation: Student
Innovation

PS Code SIH1486

Problem Statement Title: Student Innovation

Team Name: Interlinked

Team Leader Name: Sahil Agarwal

Institute Code (AISHE): U-0473

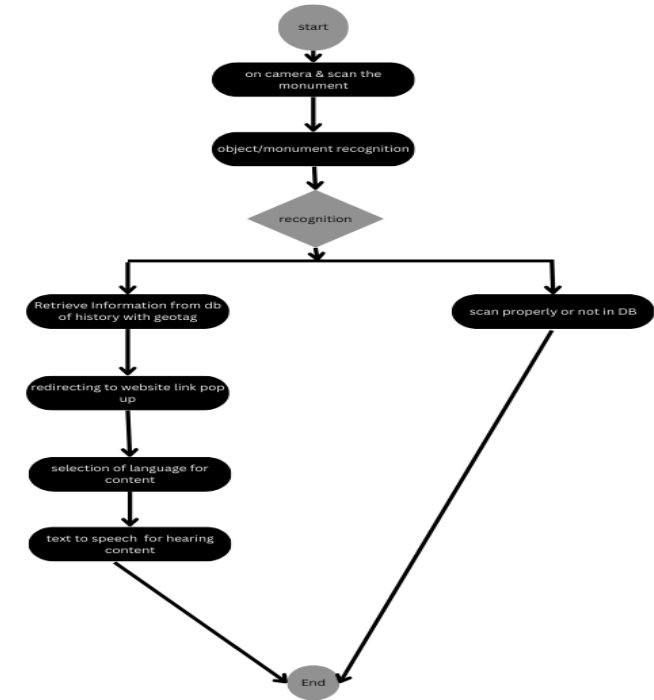
Institute Name: S.R.M IST

Theme Name: Travel and Tourism

Idea/Approach Details

Describe your idea/Solution/Prototype here:

- Our project is an innovative tourist app that utilizes Computer Vision and Augmented Reality to deliver real-time historical insights about monuments.
- The solution involves a mobile app that recognizes monuments through a smartphone's camera, providing users with historical information on specific parts.
- Users can explore monuments at their own pace , in their own comfortable language, gaining a deeper understanding of their cultural and historical significance .
- This project aims to enrich tourism experiences, promoting cultural awareness and education, even we are using geolocation for tracking of monuments.
- By seamlessly merging machine learning technology and 3d data along with cultural heritage, our app empowers travelers to engage with history in a unique way of interaction.



Describe your Technology stack here:

- Computer vision
- Deep learning
- 3d scanner for creating dataset
- Python for backend and gui
- Geolocation for geotagging
- UI/UX
,CSS,JAVA,JAVASCRIPT,HTML(FRONTEND)

Idea/Approach Details

Describe your Use Cases here

- Enhanced sight seeing in tourism
- Self guided tour
- Multi lingual support
- Geotagging for more accuracy
- Real time monument identification
- Text to speech for audio guided tour
- Detailed artifact information which can save you money spent on guides

Describe your Dependencies / Show stopper here

- Model recognition accuracy is our main dependencies in this project as this is our core engine of this project to recognize monuments
- Availability of data in database is the next main dependencies if monument which is scanned is not in the database then there will be no result for clients who are using it

Team Member Details

Team Leader Name: SAHILAGARWAL

Branch: Btech

Stream (CSE):CSE

Year: III

Team Member 1 Name: PRATIKKUMAR

Branch : Btech

Stream (CSE):CSE

Year: III

Team Member 2 Name: ARYANARONE

Branch : Btech

Stream (CSE):CSE

Year: III

Team Member 3 Name: KANCHINADHAM HARSHITH

Branch : Btech

Stream (CSE):CSE

Year: III

Team Member 4 Name: ADARSH

Branch : Btech

Stream (CSE):CSE

Year: III

Team Member 5 Name: SRIDURGESH

Branch : Btech

Stream (CSE):CSE

Year: III

Team Mentor 1 Name: DRR.RAJKUMAR

Category : Academic

Expertise : AR/VR

Domain Experience (in years): 9