

AR APP FOR DEAF PEOPLE

1. **Team Name** : Snalturalysis

2. **Theme Selected** : Smart City

3. **Idea** : The current scenario for how deaf people communicate by using the sign language of the country or region. But, the issue with sign languages is that, they

1. Are not universal, but are different in different places, just as spoken languages are
2. Are not based on, derived from, or dependent on spoken or written languages
3. Are not just gesture or pantomime or acting.
4. Not a lot of people are aware of sign languages, which makes it hard for deaf people to communicate with a lot of people.

4. **Plan of Action** :

We are proposing an AR (Augmented Reality) based app for deaf people via which they can communicate with the people who aren't hearing impaired.

We'll be making an Android App (since Android it is used, and is the cheapest to get, so that the barrier to entry for this app isn't there) which when pointed on the face of the person who is delivering the speech in the conversation, will display what that person is speaking in real time as an overlay on the app by using Unity, ARCore & by detecting the features of his teeth, tongue & lips movement.



By using this, the deaf people will be able to understand what the person is saying, and, even if he misses, what was said, it'll be there on the app itself, so that he is able to understand the parts of the conversation comprehensively.

AR APP FOR DEAF PEOPLE

Workflow :

