Brainstorm & idea prioritization

Date	16 oct 2022
Team ID	PNT2022TMID51928
Project Name	Real-Time Communication System Powered by AI for Specially Abled
Maximum Marks	4 marks

Brainstorm

Write down any ideas that come to mind that address your problem statement.

10 minutes

Bhairavi M

- sign image to voice option
- Suppoting scalability by extending the classes in future
- Segmenting the images from backgroung by bounding boxes in real-time
- Application based design
- Using better translation model
- Errors in the detection can lead to serious misunderstanding

Deepak V

- sign to text option
- Detection must be very accurate
- Accuracy has to be improved
- Detection of more than one sign might be impossible

Aswin

- User friendliness is to be enhanced
- Detection on real time video capture should be possible
- Continuous learning from the data data after detection throughout the lifetime
- click and detect application
- can be used to add more features and more classes of data which extends its usage

Anazudeen

- Detection on the click of the camera
- has to serve as a interface between normal and deaf-mute people
- Sharing or collaborating with others may not be possible
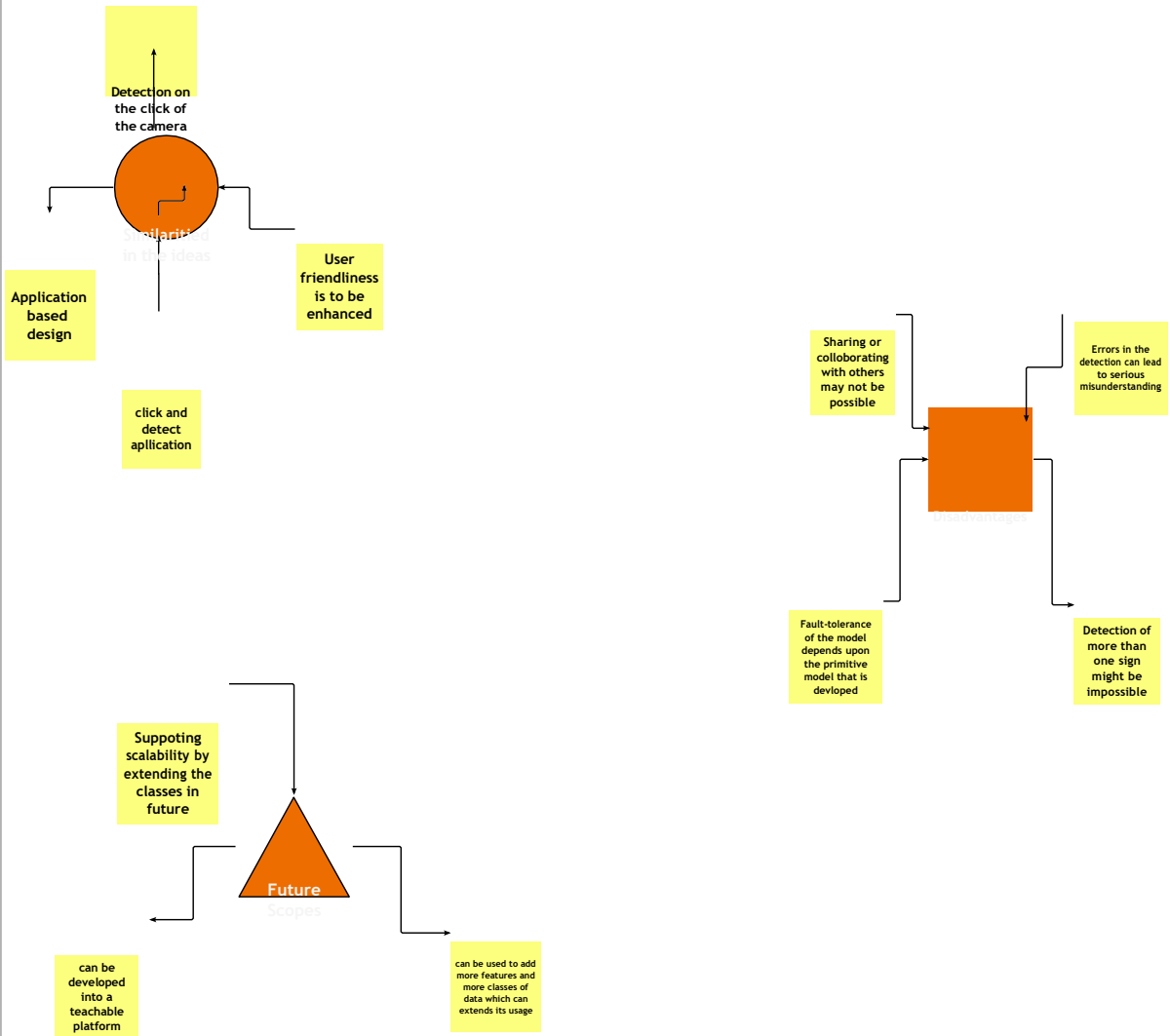- can be developed into a teachable platform

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Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

20 minutes

- Detection on the click of the camera
- Application based design
- User friendliness is to be enhanced
- click and detect application

- Sharing or collaborating with others may not be possible
- Errors in the detection can lead to serious misunderstanding
- Fault-tolerance of the model depends upon the primitive model that is developed
- Detection of more than one sign might be impossible

- Suppoting scalability by extending the classes in future
- **Future**
- can be developed into a teachable platform
- can be used to add more features and more classes of data which can extends its usage

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4

Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

20 minutes

Importance

If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?

- sign image to voice option
- sign to text option
- Application based design
- Supporting scalability by extending the classes in future
- Detection on real time video capture should be possible
- Segmenting the images from backgroung by bounding boxes in real-time
- Errors in the detection can lead to serious misunderstanding
- Sharing or collaborating with others may not be possible

Feasibility

Regardless of their importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)