# Future Presentation - Evaluation Deliverables

**Team:**

| Name | Unity ID |
|------|----------|
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## Participants/Customers :

We chose to focus on students since they have a lot of experience in attending and evaluating presentations. We recruited 5 participants for this task.
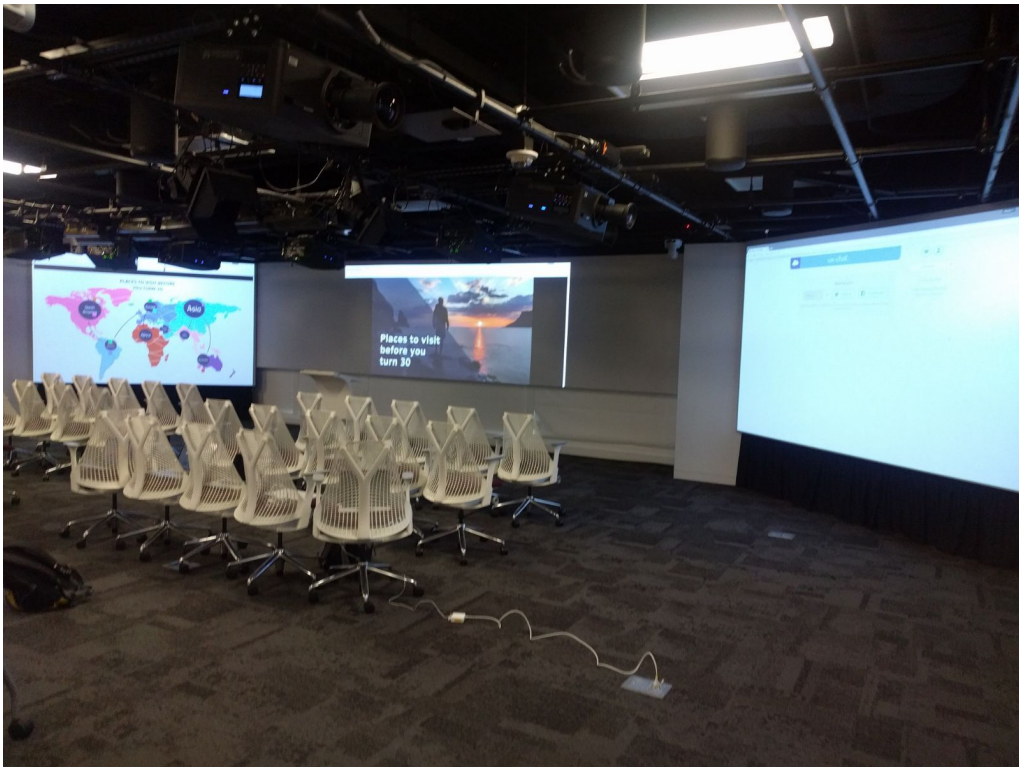
Details of their background go as follows:
- All of the 5 participants were students. The reasoning behind this was that students have both attend and give a lot of presentations and thus make make very good judges when it comes to presentation evaluation.
- To have an even gender distribution, we chose 3 female and 2 male participants for this task
- To allow for an even age and professional skill level distribution, we chose 2 undergraduate and 3 graduate participants for this task
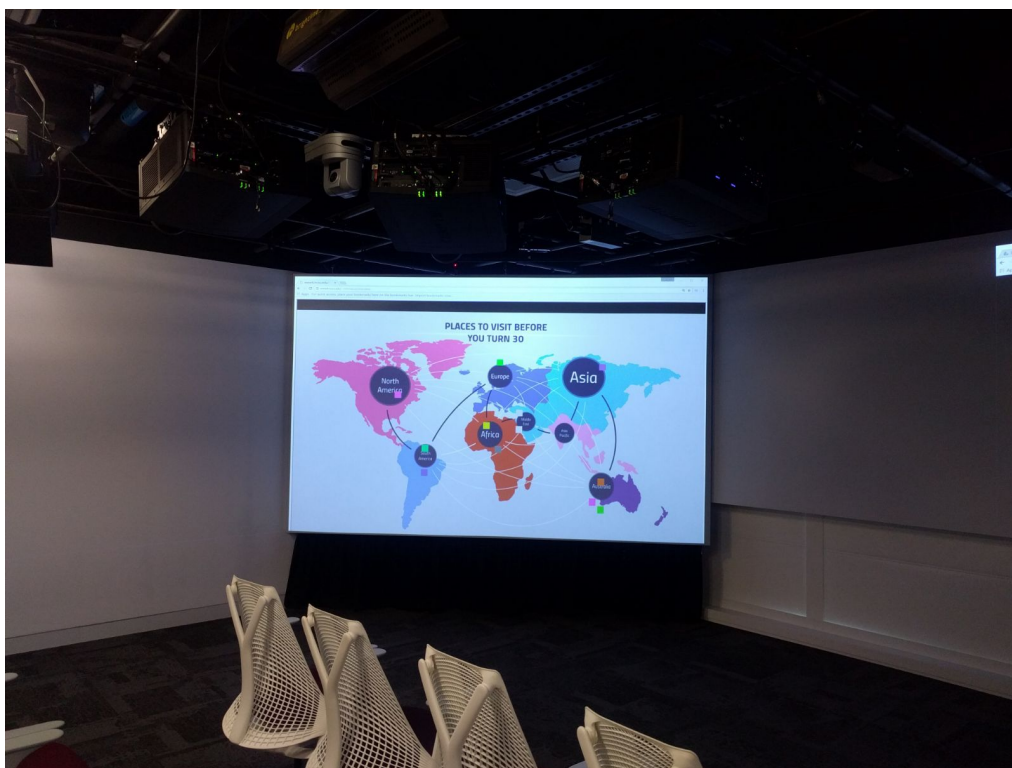
Names of Participants:
1-Kriti
2-Ankur
3-Sushma
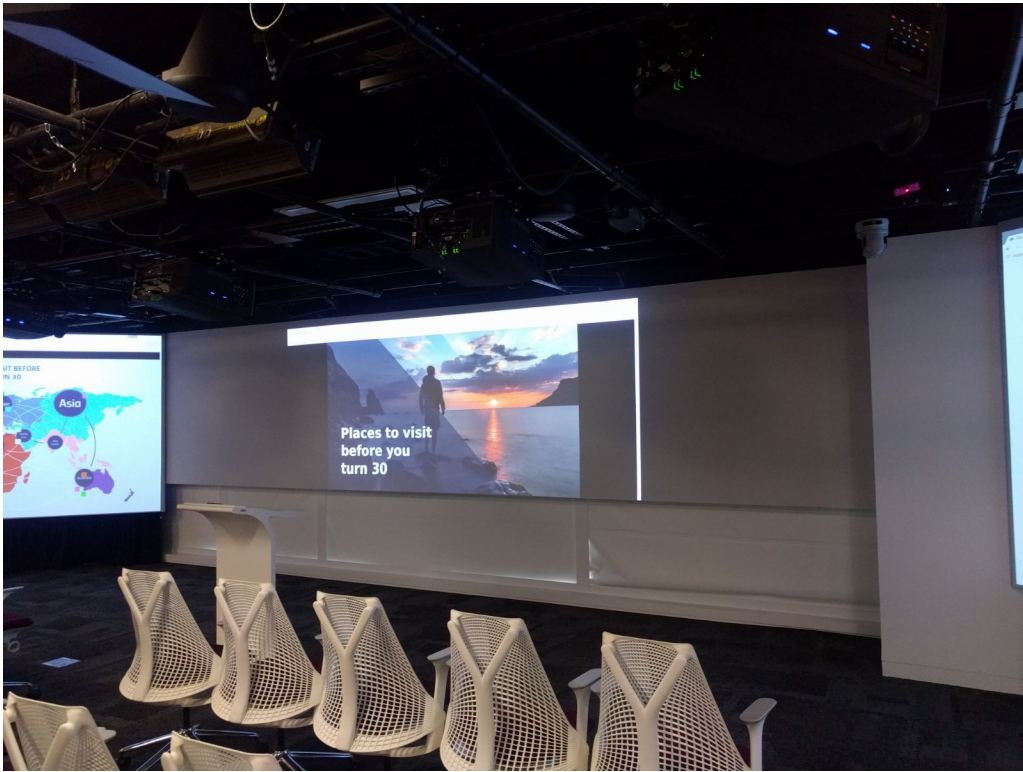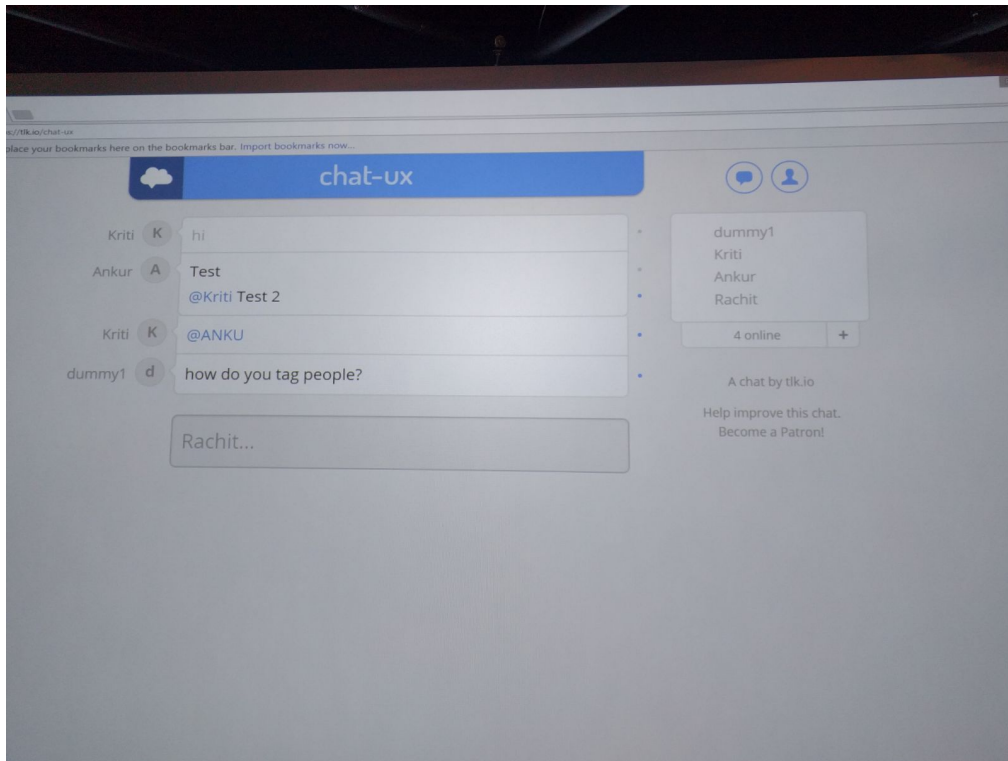4-Thomas
5-Jena

**Lab:**



Teaching and Visualization Lab



Screen 1

Screen 2



Screen 3

We used the Teaching and Visualization Lab at the Hunt library for the entirety of this project. The hardware of this lab makes for the ideal setup for the multi-panel presentation approach that we propose. We simultaneously have access to 10 screens each supporting high resolution.This allows to have a presentation with multiple screens each serving its own purpose. More specifically, we utilized 3 screens with one used for the focal content, one used for a nonlinear overview of the entire presentation and one that creates an interactive environment for the audience to post questions and chat with other members. The team members were in the same room behind all the participants and were taking down notes of what they were observing while the audience members were using the application while the presentation was on.

Process:

We first gave them a brief walkthrough of our proposed presentation paradigm.

We then proceeded to give them a short presentation in the 'Teaching and Visualization' lab making use of multiple screens for this purpose. We intermittently coached and guided them during the presentation so that they could comprehensively explore all the new and interactive features inherent to our presentation experience.

Once the presentation was complete, we then interviewed each audience member separately with a range of questions designed to elicit responses that could help us identify the advantages of our approach and improve upon features that were lacking.

## Interviews:

### Script:
Before we met the participants, we followed a structured script as follows:

Hi, my name is _____, and I'm going to be walking you through this session today. Thank you so much for coming in today.  I wanted to give you a little information about what you will be looking at and give you time to ask any questions you might have before we get started.

You probably already have a good idea of why we asked you here, but let me go over it again briefly. We have proposed and build a prototype by redefining how a presentation would look like and we would like to know your comments on it.

**[shows screencast]**

I would be handing over the devices to you if you are not carrying your laptops. Since this was a prototype we have made screen adjustments to a fixed size. If you open http://www4.ncsu.edu/~rshriva/ux/ in your browser, you will see lot of things haywired. Don't worry. Just right click, goto Inspect Element and choose screen as Laptop with HiDPI, the screen will look perfect then. I would like you to browse the application in front of you while I present you about "_____".

**[presentation starts]**

**[random questions about places being popped up on screen]**

**[presentation ends]**

We would like to know if there were any difficulties that you faced during this presentation while using the application provided.
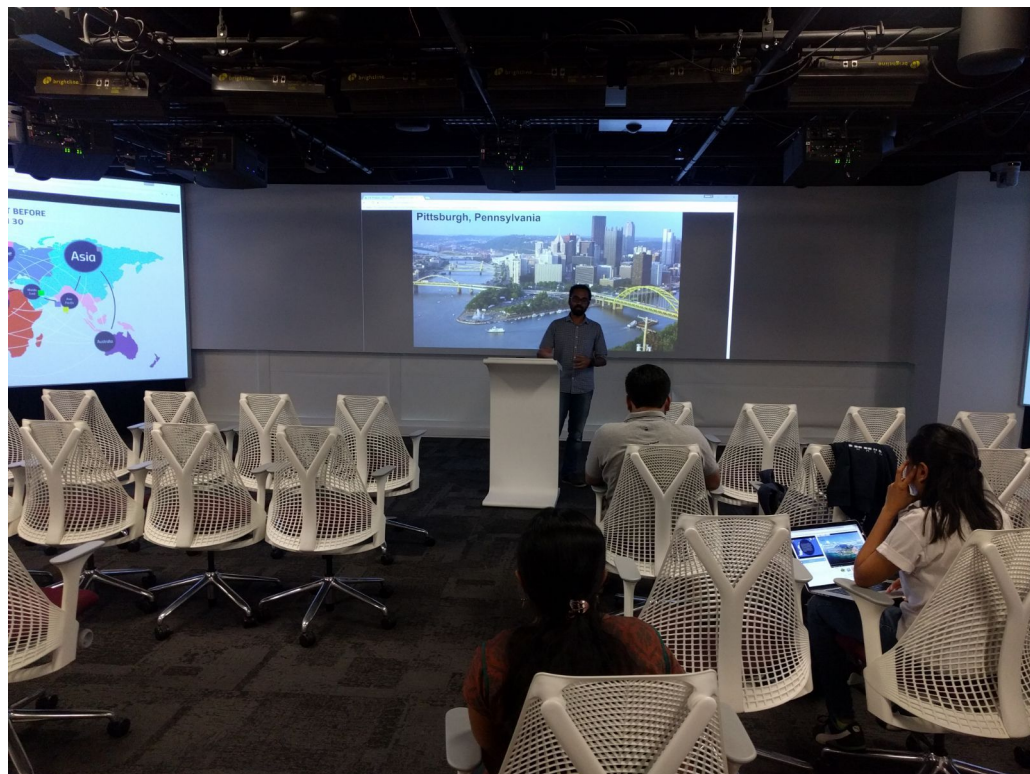
**[get their feedback..]**
.
.
.

Could you all please fill out a small survey form, mentioning how you felt about the this presentation mechanism?

**[hands over the laptop with Survey Form]**

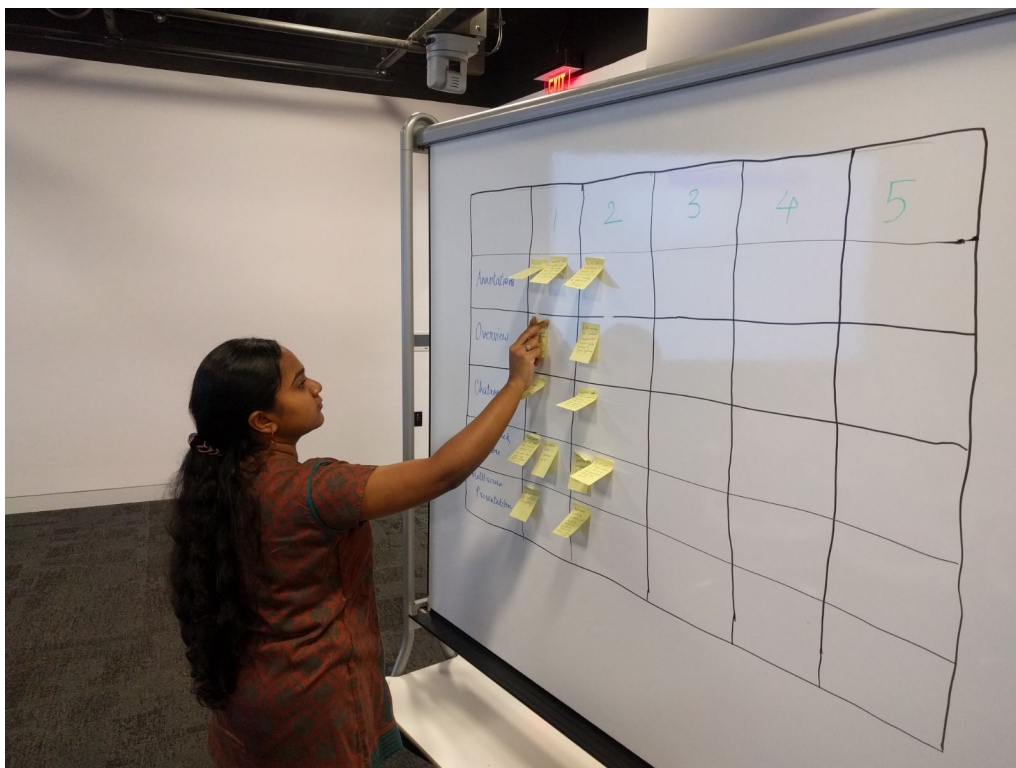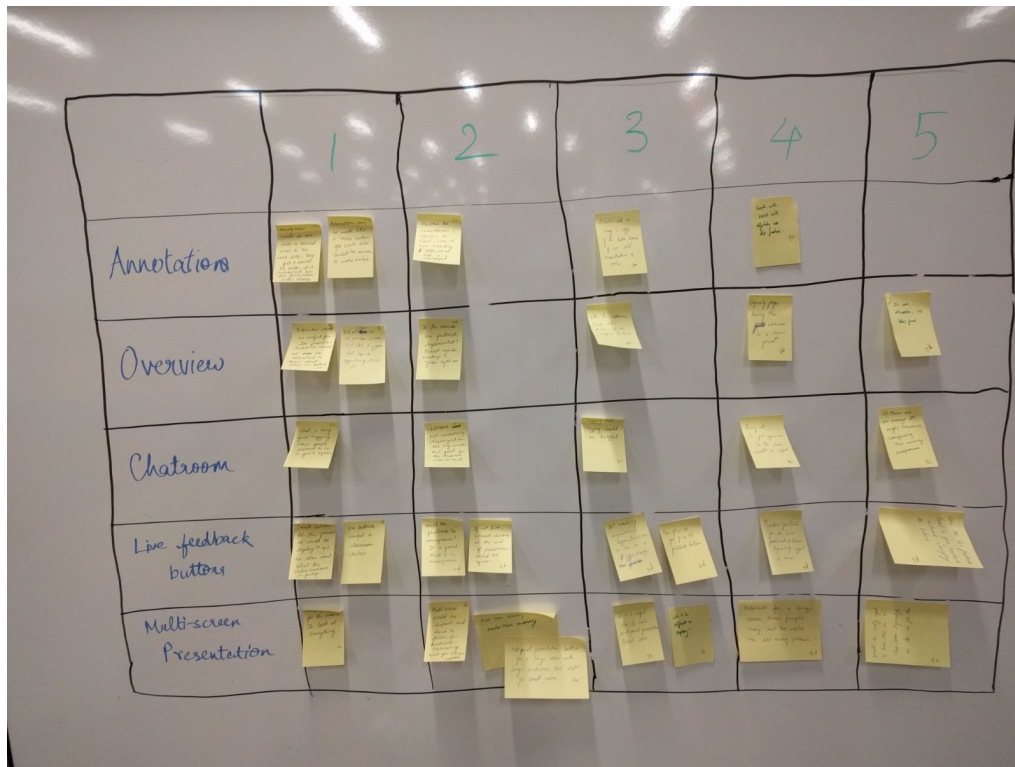I would thank you all so much for participating in our small survey report. Your feedback was valuable.

Presentation Sessions

Participants filling out surveys

**Grid:**

| | 1- Kriti | 2- Ankur | 3- Sushma | 4- Thomas | 5- Jena |
|---|---|---|---|---|---|
| **Annotations** | Annotations can be made like a "notes" section for each slide. Could be easier to make notes.<br><br>Annotations made on one slide is carried over to the next slide. She felt it would be better if it remained on that particular slide | Whether the annotation id specific to each user or not. Probably difficult to use with a mouse-pad. | Would like to carry a copy of the slides home if we add annotations & notes. | People with tablet will definitely use this feature. | |
| **Overview** | Not clear on the overview | Overview seems | Like the overview. | Definitely prefer having | It was interactive, UI |

|  | | | | | |
|---|---|---|---|---|---|
|  | screen.<br><br>Not able to figure out how effectively utilise it.<br><br>Overview would be useful for the presenter.<br><br>Audience would not be required to know what others are looking at. | unnecessary.<br><br>Is the overview live feedback implemented?<br><br>Overall agenda makeup is given right now. | Feels like prezzi & it is useful to anoth | this overview to a linear format. | looks good. |
| **Chat** | Chat is very good.<br><br>Tagging other people seemed to be a good option. | Chatroom not necessarily displayed on the big screen.<br><br>Good for audience view only. | Tagging and typing would be helpful | Being able to post questions to the class would be useful. | If there are too many people it might become confusing.<br><br>Too many responses. |
| **Live Feedback** | Overall statistics of the presentation could be displayed to get an idea about what the entire audience is feeling.<br><br>Live feedback useful in classroom lecture. | Would the feedback be anonymous? It is good that it is anonymous.<br><br>If not live overall statistics at the end of presentation could be given. | Not something encountered. Before.<br><br>Questions on how to use it effectively.<br><br>How often do you press the feedback buttons? | Definitely something really useful to have. | Love the idea of having live instantaneous feedback.<br><br>Very useful in a classroom to give feedback without interrupting the lectures. |
| **Multi-panel presentation** | Probably difficult for the audience to look at everything | Multi-panel presentation better for a large room with large audience, doesn't seem useful for small rooms. | Useful and novel idea to have multiple screens for a presentation<br><br>Will everybody in the room be able to view all | Questions regarding simultaneous visibility for all members of the audience. | Would definitely like to have this feature in a classroom as it seems immensely beneficial. |

| | | Can get a little distracting too.<br><br>Makes it hard to follow for the audience sometimes | the screens all the time?<br><br>How difficult would it be to deploy this on a large scale. | | |
|---|---|---|---|---|---|

We had a survey sheet filled by the participants once, they had used the prototype regarding the features they liked and disliked and their comments, which can be found here:
https://goo.gl/forms/BXq8X0NrUkQNQ9bn2

**User Experience Survey**

Thank you for participating in our survey.

We want to hear your feedback so we can keep improving our logistics and content. Please fill this quick survey and let us know your thoughts (your answers will be anonymous).

1. How effective you think is this multi panel feature for the presentation?
2. How effective was the live chat/help feature?
3. How effective was the feedback button feature?
4. How effective was the annotation feature?
5. How better it was than the conventional presentation?
6. In what ways you think it was better than the normal presentation?
7. In what ways you think it was worse than the normal presentation?
8. Would you recommend this type of presentation to others?
9. Overall feedback?
10. Name (optional)

The responses of the survey can be found here: https://goo.gl/eJl9Vi

# Patterns:

- What the audience liked:
  - **Chat :** Everyone liked this feature. The biggest plus point of this application was that anybody, even shy and hesitant audience could ask questions instantaneously and this does not break/affect the flow of the presentation.
  - **Feedback :** According to the audience, this feature would be most beneficial in a classroom as he/she can better understand if his audience is following him or not. Or should he modify it better for the audience liking?
  - **Multi Panel Presentation :** They liked this completely new and novel approach for presentations and would like to see more such presentations in the future may be mostly in their classrooms. They loved the idea of having multiple screens to interact with as opposed to the conventional single screen.

- What the audience didn't like:
  - **Utility of overview :** Since the audience is used to a linear or no overview, a nonlinear interview was hard to comprehend in the beginning. They are also not convinced of the utility of having an entire screen devoted to a nonlinear overview. Also, the audience doesn't really approve that other audience members can see what they are working on in an overview and vice versa.
  - **Multi panel Problem :** This feature is something totally new to people hence they are not comfortable with it. Also many found this feature distracting as they were not sure on which screen to concentrate. Also, this feature might not work on rooms of small size.

# Things to improve upon:

- How often can live feedback be given in a presentation? Is it a unit time interval or per slide interval. A limit needs to be imposed on how often audience member can give live feedback
- Can the ability to take detailed notes be added to annotation as drawing on top of the screen might not always be sufficient. We need to modify implementation as to allow not only overlays on top of the screen but the ability to take detailed notes too.
- Can each audience member save the slides with all annotations and notes and use it as reference later on? We need to allow audience members to save a copy of the slides with all the added annotations and notes so that they can refer back to it later.
- Can the audience see other audience members feedback to get an idea as to how the rest of the audience members are faring?We could potentially present statistics of live feedback at the end of the presentation to each member so that they could get an idea about the same.