

IHCI Second Project Submission

Rules

- Submit a Google Doc, NOT a PDF or a Google slide.
- Use the default fonts, line spacing, and font size unless specifically required in the assignment.
- After submission, the Google Doc will get automatically locked, so you won't be able to make any changes.
- Standard plagiarism rules apply.
- Your submission will only be considered for grading and feedback if you follow these guidelines.

Names of Group Members: Aakanksha, Abhinav Kashyap, Aditya Bhandari, Anish Kumar, Akshat Bhatt, Aman Sachdeva

Project Group Number: 1

HCI Group No.: 3

Miro Link: https://miro.com/app/board/uXjVNYwkyoQ=

Refined Gathering

Google form was rolled out to survey about users i.e. college students. Results of the form are shown below:

Google Form: <https://forms.gle/9SL3nxwCVwHrfu779>

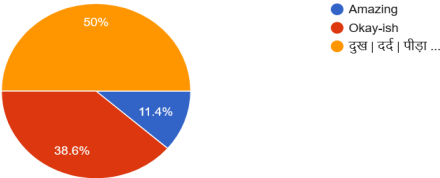
SpreadSheet link for the survey:

https://docs.google.com/spreadsheets/d/1nTIWD_AvqwEQGfJoR5nxzycXVdkHNaE4V8cqVLPQZ4E/edit?resourcekey=gid=696330120

Academic experience so far?

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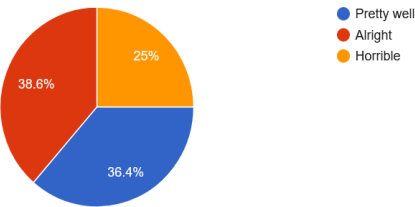
44 responses



How has your experience been socialising with people in this institute? (including alumni's, seniors, staff, TAs, batchmates)

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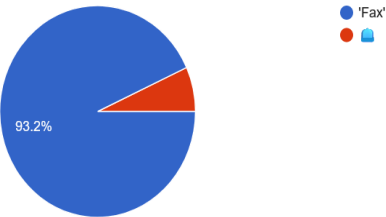
44 responses

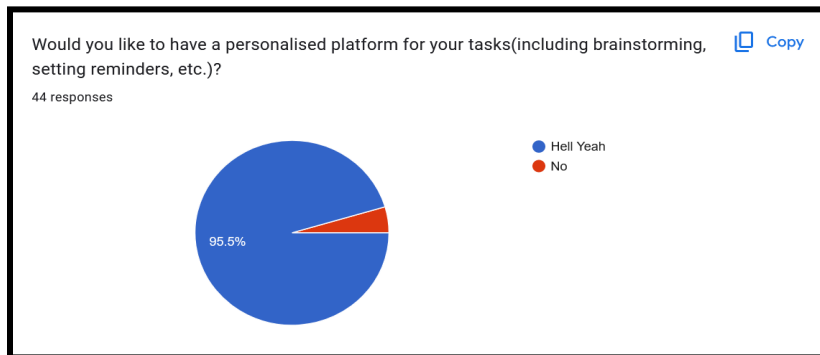
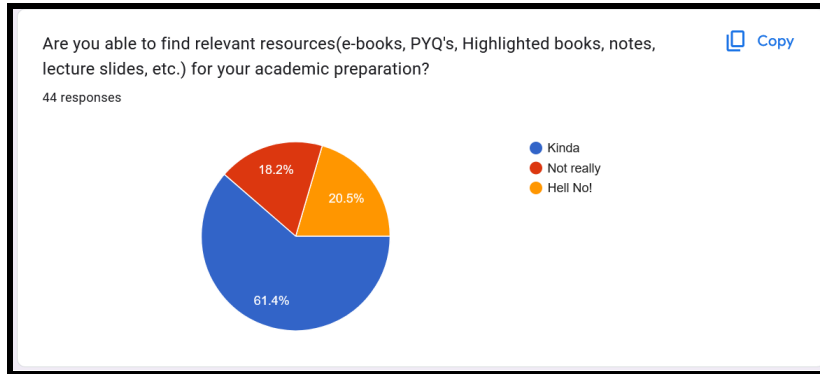


Tired of receiving emails, irrelevant to you, and missing out on the relevant ones?

 Copy

44 responses





Drive link for videos of interviews:

https://drive.google.com/drive/folders/18cR9IJgAC4w2xiXemZ_WiRPLC9INWM7u?usp=drive_link

Summary of the interviews done:

Interview 1

Akshita Sahoo- IIIT Delhi

By the end of this interview, it was clear that Akshita was not so comfortable having conversations in person which ultimately sabotaged her networking scopes. Although she does realize that it's her personal issue, she wants to break free from it. She has taken a few measures to tackle the problem but they haven't been that great and effective.

Interview 2

Sarthak Bhudolia- IIIT Delhi

Concluding the interview it is clear that Sarthak is facing issues in finding the relevant information out of 100 of mails that are received daily. He said in an interview that there are many instances where he wasn't able to participate in events of his interest as he missed the mails regarding them and couldn't keep up to the deadline.

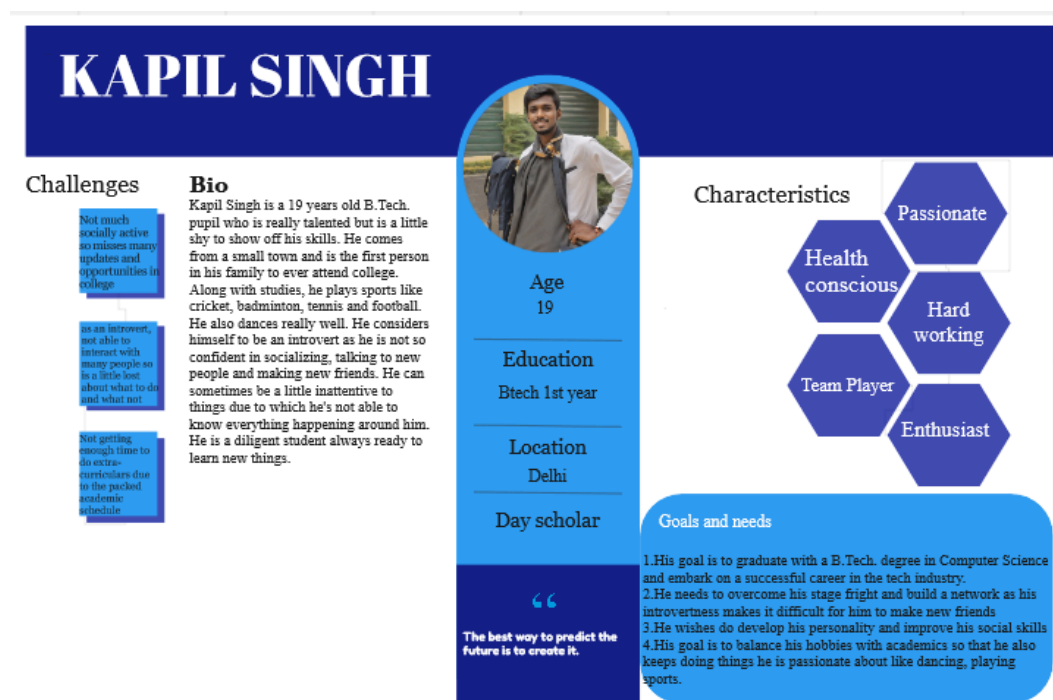
Interview 3

Aarush Rastogi - IIIT Delhi

As Aarush told in an interview he faces issues in collaborating with people whether it be for assignments, note making, etc. After telling him about the app that will provide him a platform where he can collaborate with people like him with common interests he was overwhelmed and wanted to know more about it. As I told him about more features of the application like commuconnect, notice board and e-resources He became more interested in the concept and find it very useful for him which proves the effectiveness of the application.

We had already gathered user information and other details as efficiently as possible. So there was no scope of further refining the information.

Refined Personas and Scenarios



Piyush Khatri



Age
18

Education
Btech 1st year

Location
Delhi

Day scholar

“
My mind is a whirlwind of creativity, but I'm like a constellation missing a few stars. With the right organization and structure, I believe I can shine brighter than ever.”

Challenges

He feels like to gather different information he has to browse at different places and its hectic

Balancing a social life, academics, and career networking with healthy eating.

He struggles with keeping track of different deadlines, which affects his grades

He also misses valuable opportunities due to his lack of attention to things

Bio

Piyush Khatri is a 18- time-old Btech Student with immense potential and talent. During his early school years, He excelled in artistic areas but struggled in academics due to his inattentive nature. He won several art competitions, sang songs, published poems but was often late in submissions and missed tests. But he is determined to overcome these challenges and make the most out of his college experience. Apart from his primary interests he enjoys spending time outside, living new experiences. He also gets relaxed by reading various philosophical subjects

Characteristics

Talented

Creative

Artistic

Inattentive

Day
Dreamer

Goals and needs

1. He is aspired to show his creative talents to the people and maybe pursue a career that allows him to express through is art
2. He wants to establish a daily routine and structure in his life which can help him maintain focus and make him more attentive towards things
3. He might also require a mentor or an academic advisor or some alumni who could provide him some guidance on improving and also clear all his queries about things

Himansh Jain



Age
18

Education
Btech 1st year

Location
Delhi

Hosteller

“
I'm the architect of my
aspirations

Challenges

Reported academic setbacks and students might be disturbed across various platforms and therefore, making it challenging to connect them effectively.

Having informed about college events, deadlines, and assessments can be difficult, leading to missed opportunities or deadlines.

Asks sometimes becomes anxious about her career path and future prospects which she shares her graduation.

Himansh might often feel isolated from campus life and want to talk to some peers and have some in-person interactions.

Bio

Himansh Jain is an 18-year-old engineering student with an insatiable curiosity for technology. He's a self-motivated who enjoys tackling new challenging and likes the thrill in life. He seeks to connect with fellow students and stay updated on college events. He is goal oriented who has a clear focus on his academic and career goals.

Working together in group projects with fellow mates can sometimes be frustrating as the feedback doesn't align and move the people more the pace.

The pressure of exams and assessments can lead to anxiety and stress.

Characteristics

Leadership
Potential

Tech-Savvy

Resourceful

Self-Motivated

Organized

Goals and needs

- 1.Himansh's primary goal is to excel in his engineering studies.
- 2.He seeks to connect with his fellow engineering students for knowledge sharing, study groups, and potential collaborations on academic or extracurricular projects.

Aishwarya Jindal



Age
20

Education
Btech 2nd year

Location
Delhi

Hosteller

“
In the digital realm of my college
I'll find my voice, build my path,
and grow into the person I aspire
to be

Challenges

Her shyness makes it difficult for her to connect with people and make more meaningful conversations.

She also sometimes feels anxious and struggles to speak at parties or public gatherings.

Asks sometimes becomes anxious about her career path and future prospects which she shares her graduation.

While she may desire to participate in extracurricular activities, her fear of social interactions hold her back.

Bio

Aishwarya AKA aishi is a driven 20-year-old female currently pursuing her Btech at IIITD. Born and raised in Delhi. Early on she was good in academics particularly in maths and science which made her decision of pursuing Btech easy. Aishi has always been shy, its a trait she acquired from her parents she found comfort in the world of books. The college was a significant change for her, she realized making friends was important not only for academics but for personal growth also.

Adjusting to new Delhi's living situation is also not an easy task especially for someone like her.

College often marks the transition to greater independence, which can be both liberating and challenging.

Characteristics

Responsible

Preserving

Ambivert

Curious
Learner

Book worm

Goals and needs

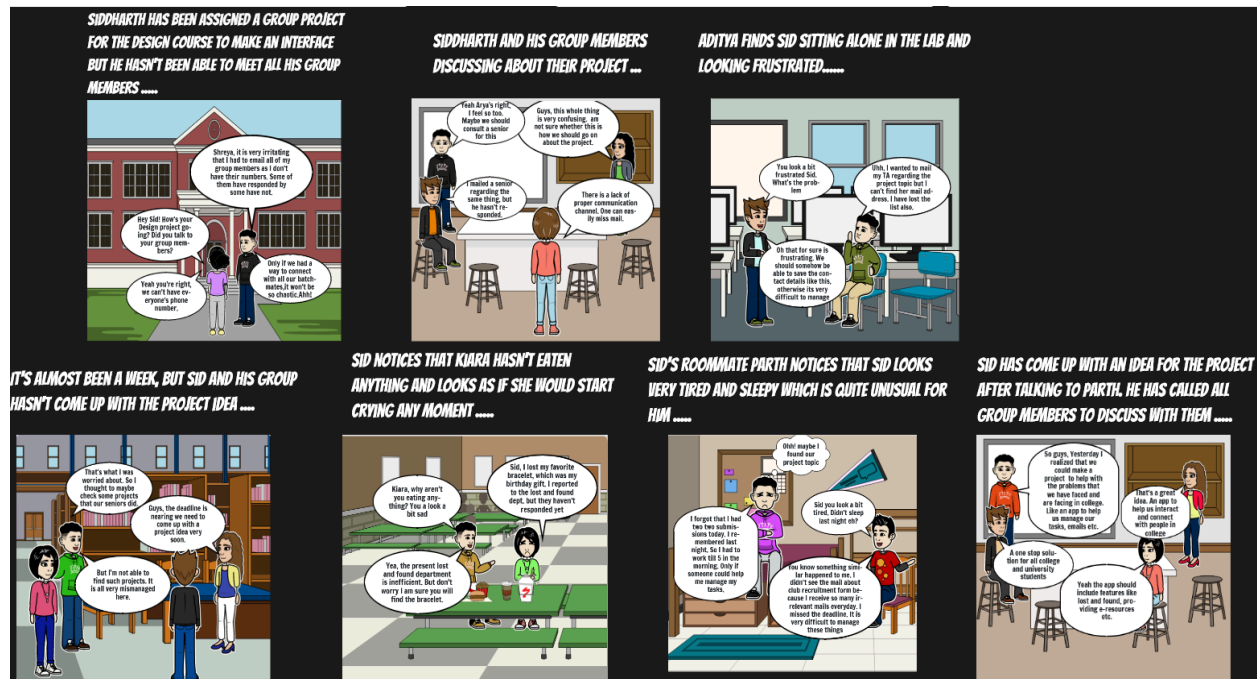
1. Aishi aspires to break free from her shyness, make meaningful connections with her fellow students.
2. She desires a platform or app that can help her break the ice and connect with like-minded students who share her academic interests.
3. She seeks academic support and opportunities for collaborative learning.

The personas made earlier were already detailed and contained all the information required to understand target users.

Scenario (through storyboard)

Miro Link: https://miro.com/app/board/uXjVNYwkyoQ=

Created using: <https://www.storyboardthat.com/>



Refined Problem Understanding

Based on the surveys and interviews conducted we have come up with the solution, UniConn. UniConn is an app that intends to be a one stop solution for all the problems mentioned in the personas and interviews. Our target users include all the students attending colleges/ universities across the country, be it graduation or post-graduation. The app will also be available for alumni who wish to be connected to their institutes and also help their juniors. The app will operate on an Intra-College/University basis. Users will be categorized based on the institutes in which they are studying. Users would have to use his/her college/university-given email ID to sign up and log in. Once verified with the Institute, his/her account will be created.

The problems mainly include a lack of proper communication channels to interact with people within the college, an absence of a compilation of relevant resources for academics, an inefficient notification mechanism and not being able to manage tasks. UniConn provides broadly four features to its users:

1) **Space:** To deal with managing tasks on a daily basis by allowing users to set reminders. It also provides features such as My Board that can be the user's personal whiteboard. 'Notes' makes it easier for users to jot down whatever they feel is important. Finally the logbook feature allows users to save details like email addresses, office hours, etc. Space contains following sub-features:

- a. **My Board-** This feature allows the user to write down or draw whatever he/she feels is relevant. It provides the option to use pre-existing templates like mindmap, brainstorming etc. This feature will be like a personal diary for the users.
- b. **Calendar-** The calendar feature will be syned with the institute's google calendar. Users can set reminders using this feature for which notification will be sent via email as well as via app notification.
- c. **Notes** - This feature will allow user to make notes and also save them. It differs from MyBoard as this feature is for academic purposes and can be used along with MyBoard.
- d. **Folder** - This will allow users to save whatever documents, videos, images, etc. like fee receipt, forms,etc.

2) **E-Resources:** This feature provides users the access to a compilation of all the relevant and useful resources that are related to academics like e-books, notes, lecture slides, previous year question papers and their rubrics, and projects. The E-Resources allows the students to access resources of not just their present semester, but also of all other semesters. This will help students who prepare for interviews and exams like GATE, etc. These resources are uploaded based on the opinions of seniors and faculty.

Files can be viewed and downloaded very easily. This feature is in sync with the Notes feature of the Space. Users can view resources for other semesters by selecting semester and course from the drop down menu.



3) **Commu-Connect:** This feature provides a proper communication channel to the users to connect with their peers, seniors and even alumni. It eliminates the need to approach someone specifically. Under this feature, users can form their own chat rooms and also official groups like Batch wise groups, Branch wise groups. These groups will be moderated by a team of admins in order to keep on any activities of indiscipline. This feature will help in enhancing communication within the institute.

Users can also use features like audio call and video call to communicate with others.

4) **Notice Board:** This feature allows the user to navigate through numerous notices, emails received on a daily basis by providing the option to sort them by using 'Tags'. For instance if a student wants to see notices/emails from the Maths Department, he/she can choose 'Academics' and 'Mathematics' as the tag. Using this feature, students can directly set the reminder regarding a notice and be later notified by a message.

Refined Lo-Fi Design

Login



Login


Sign Up

☒ Remember Credentials



Login

[Forgot Password?](#)

Or Login with



Sign up




Login


Sign Up

Sign In

Profile



Profile



< Back

Edit

Profile Photo

Bio

Name :

Roll No. :

Course & Year :

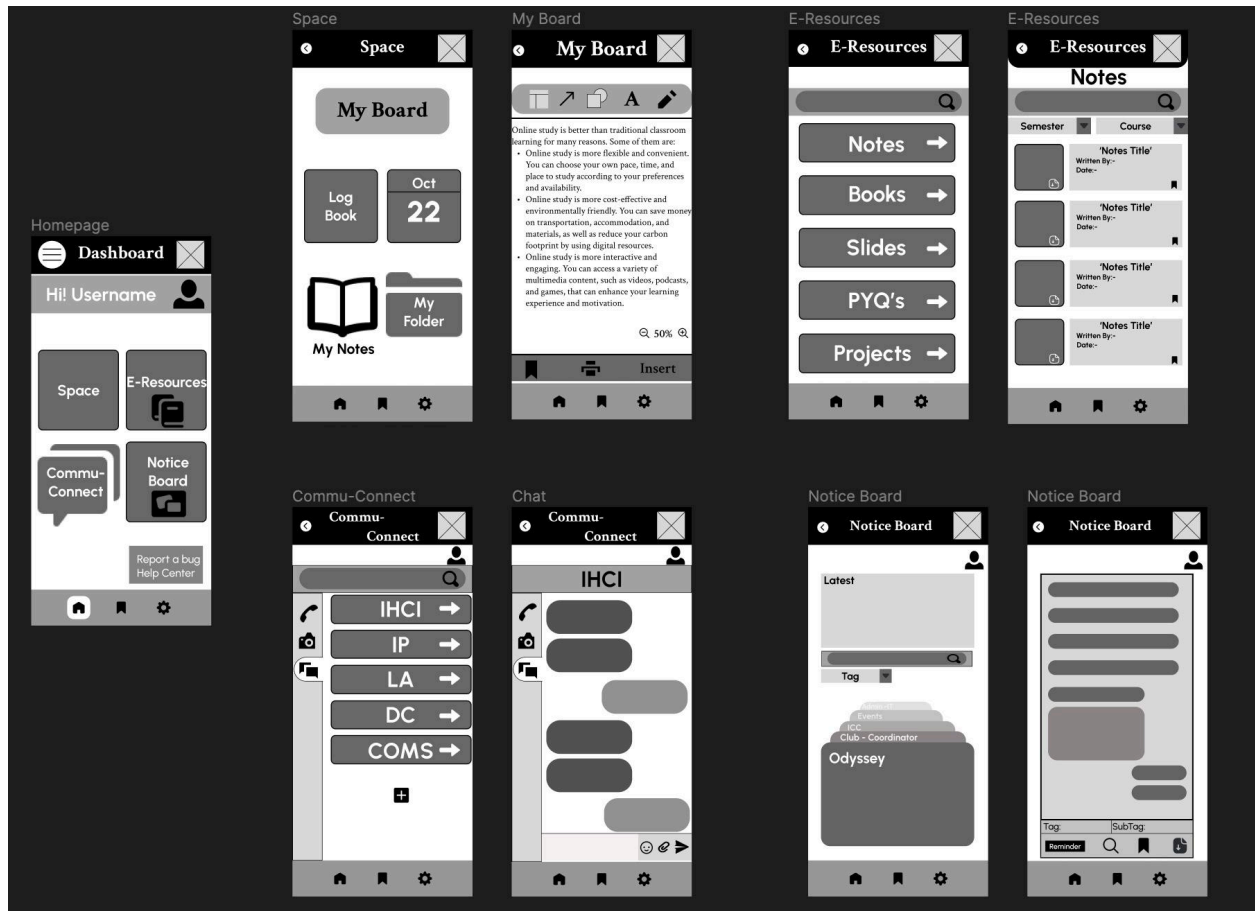
Social Media :

Day Scholar

Hosteler

Settings

LogOut



<https://www.figma.com/file/SAGmTRdvuBQ4wXM5C8denw/Untitled?type=design&node-id=0-1&mode=design&t=nrqHVFHAmETMCpa-0>

Following changes have been made:

- 1) The bell icon has been removed from the task bar as it was not much relevant.
- 2) The placement and design of the 'Report a bug' option have been changed to increase affordance.
- 3) Sub-tag feature has been removed as it would increase cognitive load.
- 4) Similarly 'confirm password' has been removed to decrease cognitive load on the user.
- 5) 'Call' icon in Commu-Connect has been made consistent throughout the design.
- 6) 'Back' icon has been removed and instead 'back to' icon has been placed at top left.

Working Hi-Fi Prototype along with User Evaluation

Hi-Fi Figma Link:

<https://tinyurl.com/3aefzzjh>

Prototype Figma Link

<https://tinyurl.com/49buuuwc>

Interview drive link:

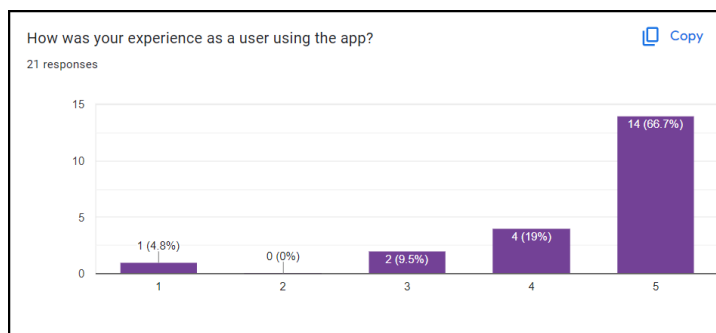
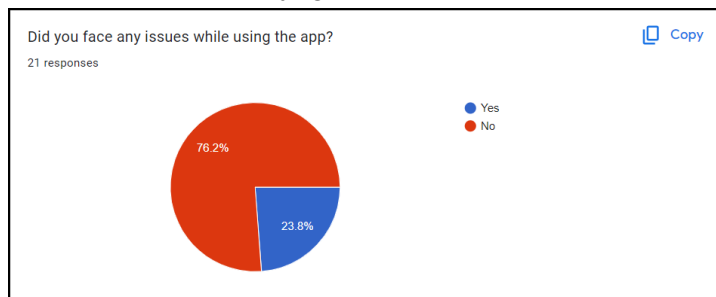
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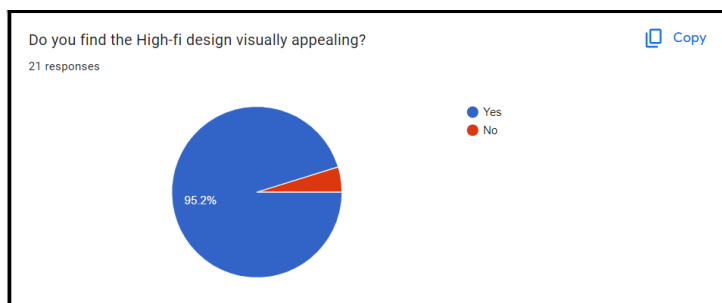
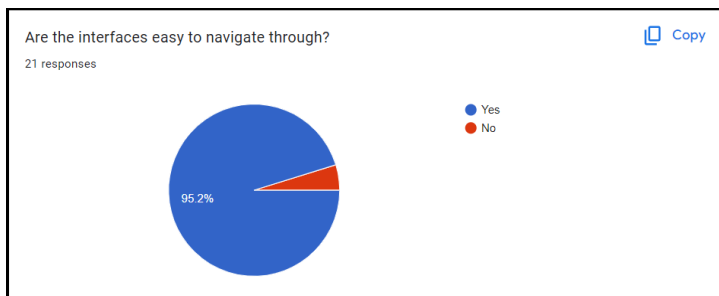
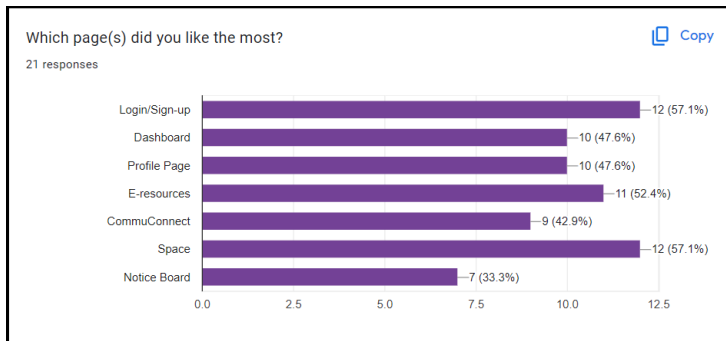
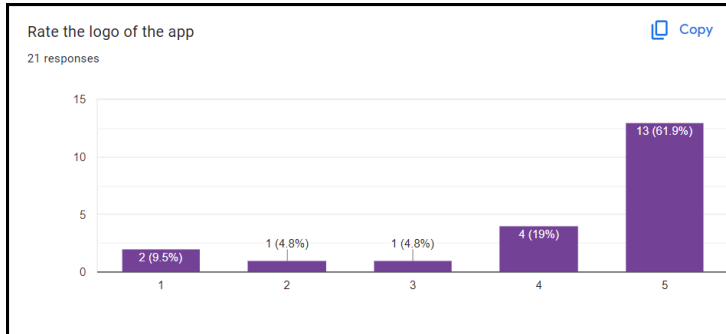
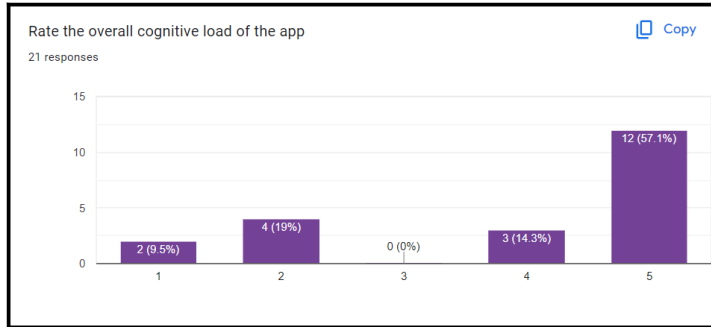
Google form used for testing:

<https://tinyurl.com/4hzffxcd>

SpreadSheet for Google form:

<https://docs.google.com/spreadsheets/d/1MuzD0LTxoO6WpR8vWOO29-QVarPSMhDbI6Ez9oyik1U/edit?resourcekey=gid=472657690>





The User response survey was conducted using Google Forms. The results were extremely satisfying. Face-to-face interviews were also conducted for the evaluation of the prototype. The responses to those interviews were also satisfying.

Contributions

Aakanksha(2023004): Hi-Fi, High-Fi interview, Google forms, Surveys, Brainstorming,
Information architecture, Lofi-design, Task flow

Abhinav Kashyap(2023022): Hi-Fi, Brainstorming, Mindmap(both), Lofi(sketch), Alt-design,
, Storyboard, Task flow

Aditya Bhandari(2023040):Hi-Fi, HiFi-interview-2, Brainstorming,Storyboard

Akshat Bhatt(2023059): HiFi, Brainstorming, Mindmap, Lofi, Alt-design, Google form survey

Anish Kumar(2023095): HiFi, HiFi-interview-1,HiFi-interview-3, Lofi Design

Aman Sachdeva(20230770): Personas