

Title: Redesign S.P.I.T. College APP

1) What things have you kept in mind while designing the App.

- Quality should be greater than the quantity of the materials provided.
- Using vivid, exciting colors
- Keeping the UI clean
- Using familiar icons

2) Write down your design goals which you have thought about earlier while doing the above activity.

1. Colour Combination and clean : I ensured that the colour contrast and combination is not too distractive and flashy nor too dull. I also made sure that the profile looks neat by keeping things spaced out and using white colour to ensure neatness.
2. Familiarity : Users should naturally and instinctively understand and comprehend the system.
3. Responsive : The interface should work fast. Waiting for things to load and using laggy and slow interfaces is frustrating.
4. Clarity: Clarity is the most important element of user interface design. If people can't figure out how the application works or where to go on your website they'll get confused and frustrated.
5. Consistent : Consistent interfaces allow users to develop usage patterns – they'll learn what the different buttons, tabs, icons and other interface elements look like and will recognize them and realize what they do in different contexts.

3) Which of Nielsen's heuristics have you covered in your Designing.

Consistency and standards

Users should not have to wonder whether different words, situations, or actions mean the same thing. Follow platform and industry conventions.

Recognition rather than recall

Minimize the user's memory load by making elements, actions, and options visible. The user should not have to remember information from one part of the interface to another. Information required to use the design (e.g. field labels or menu items) should be visible or easily retrievable when needed.

Help and documentation

It's best if the system doesn't need any additional explanation. However, it may be necessary to provide documentation to help users understand how to complete their tasks.

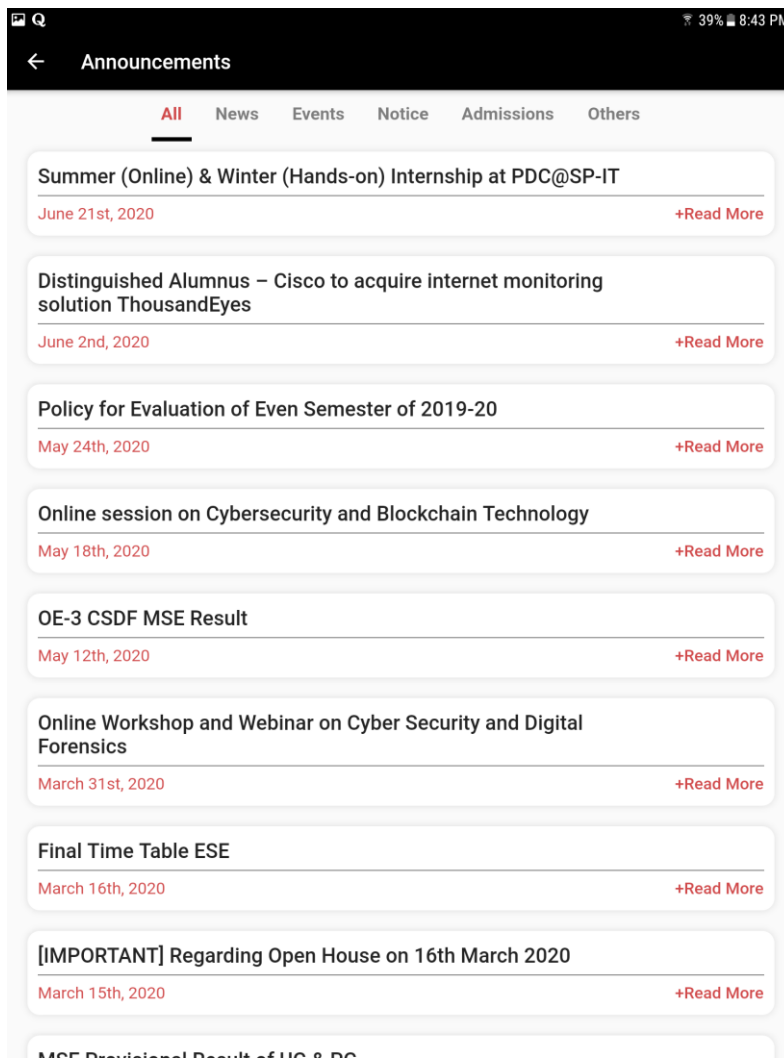
Aesthetic and minimalist design

Interfaces should not contain information which is irrelevant or rarely needed. Every extra unit of information in an interface competes with the relevant units of information and diminishes their relative visibility.

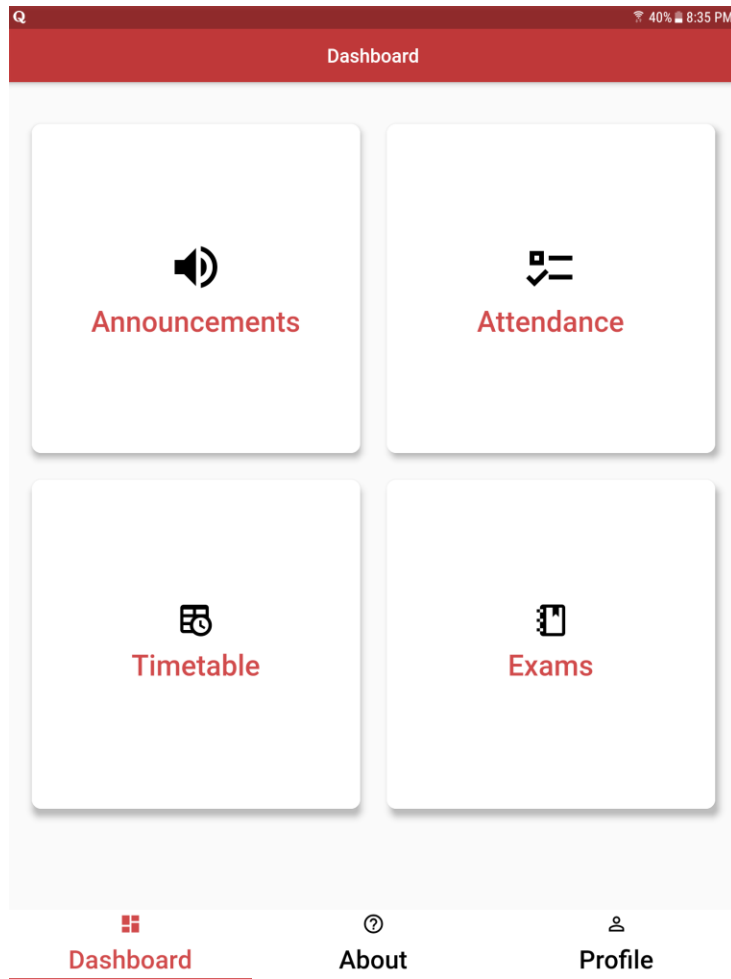
4) Which feature/ task you felt should be changed or is good in the existing College APP. (specify in bullet points your own analysis).

- **Good Design Present**

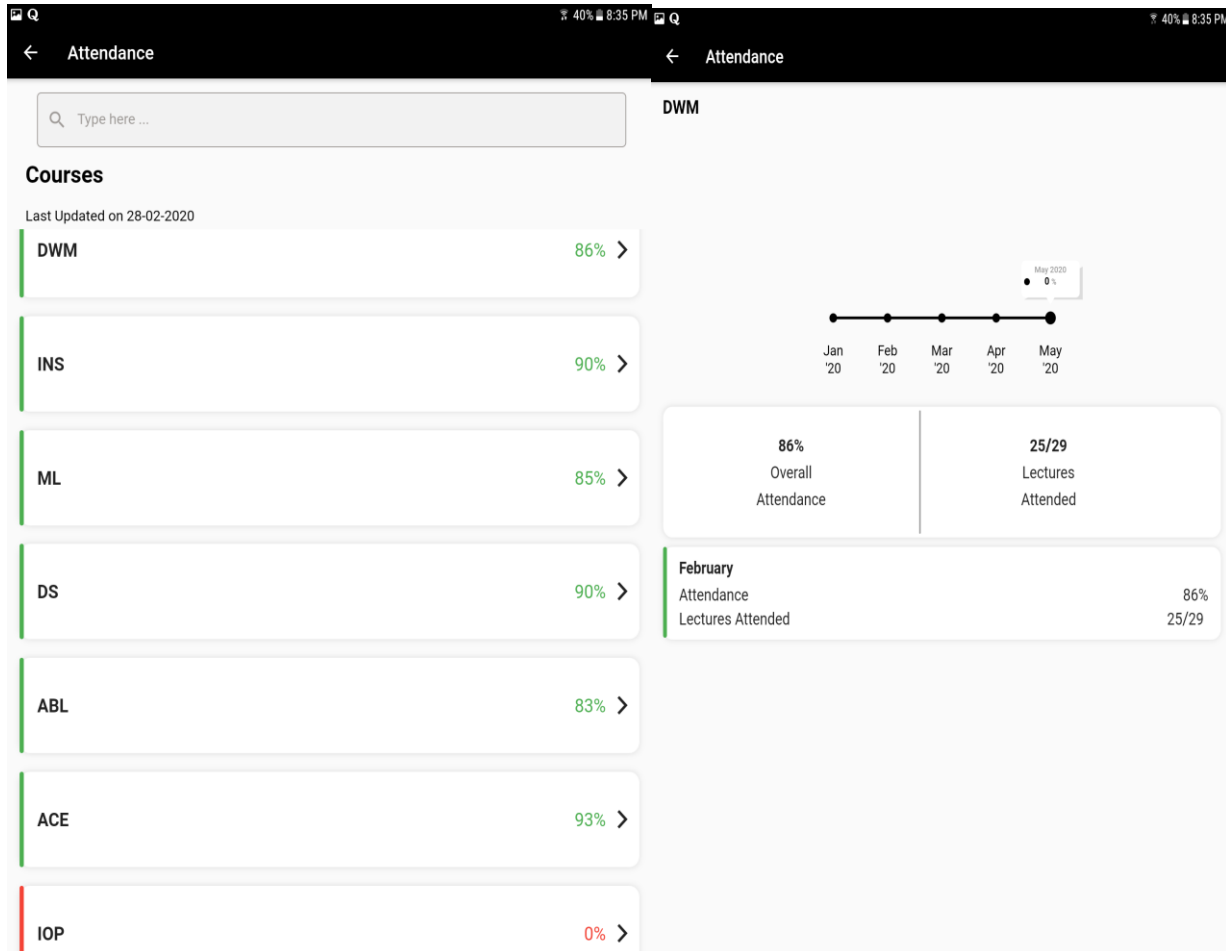
The Announcement Page is clean and concise. It also provides different categories of announcements. Hence, the user can easily search the relevant announcement as per his requirement



The Dashboard looks a bit boring and hence the icons should be changed to make it attractive



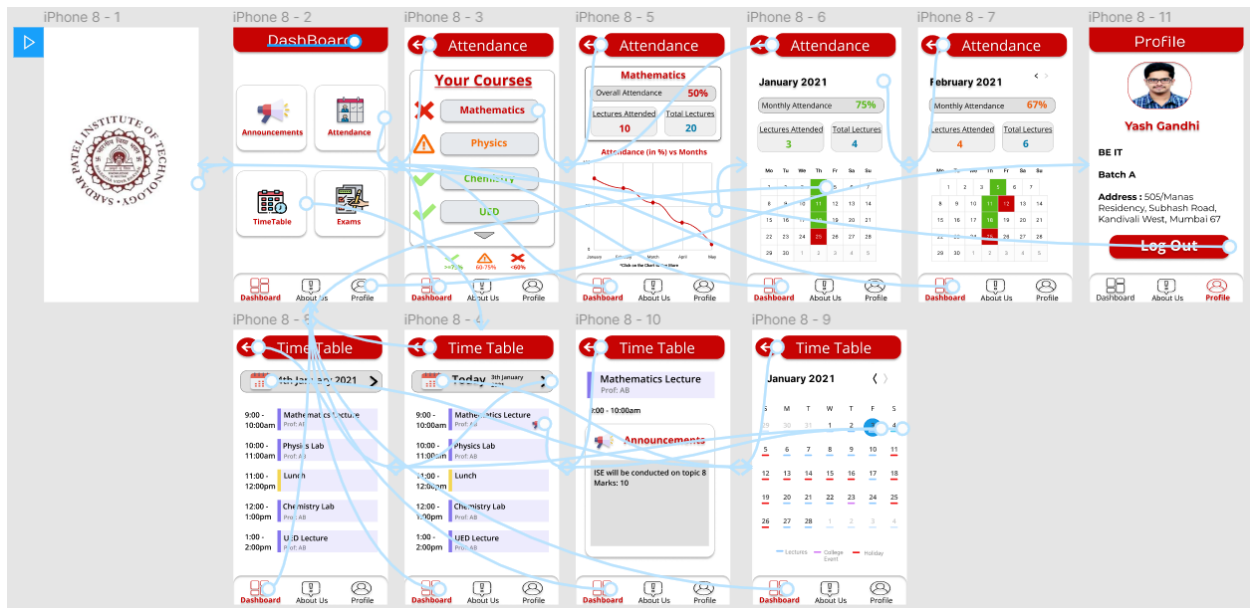
The Attendance section should highlight the courses with less attendance first and user should also be provided with days when he missed the lectures using a calendar



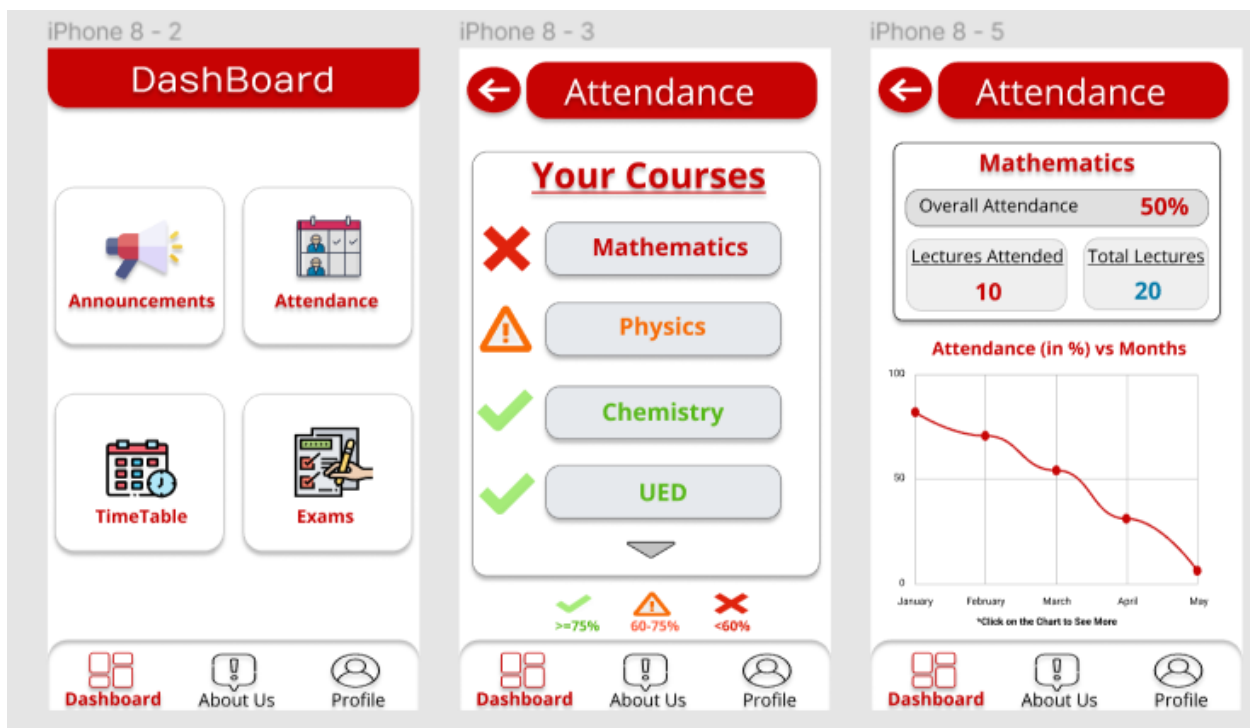
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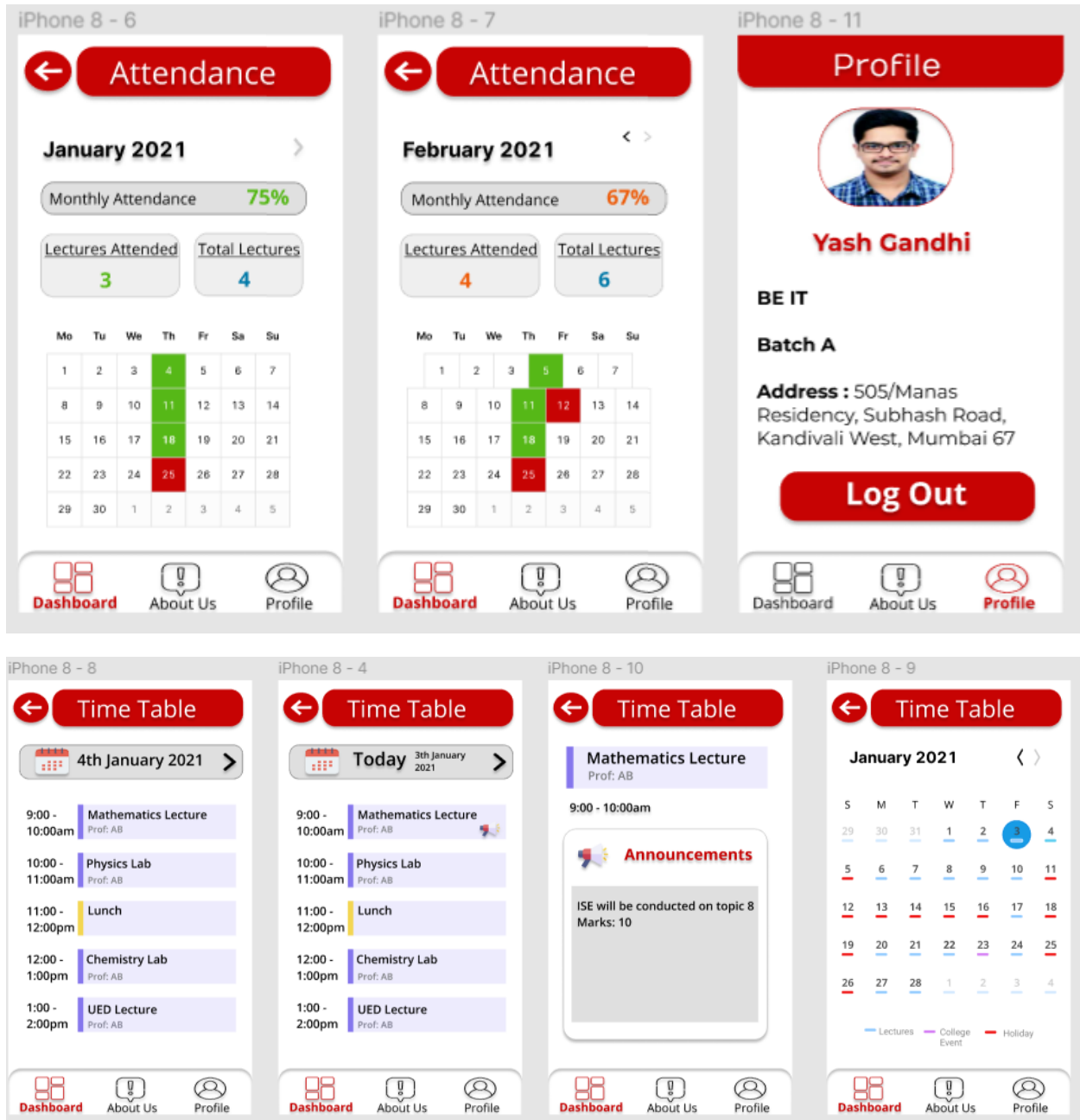
5) Screenshots of UI made.

Prototype



Pages





6) Link of Figma file.

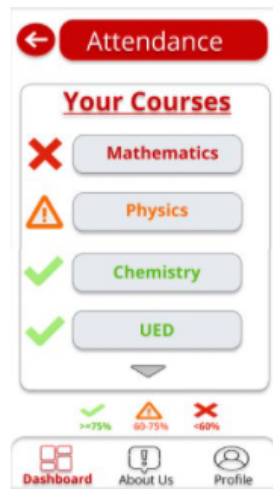
<https://www.figma.com/file/icPBJnNDkyfVSw6qCSkz9a/EXP5?node-id=0%3A1>

7) Usability testing

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Design Test

1. Design Questions



1a. Radio buttons question

Can you easily comprehend the purpose of the icons on the left ?

Totals Answers 14



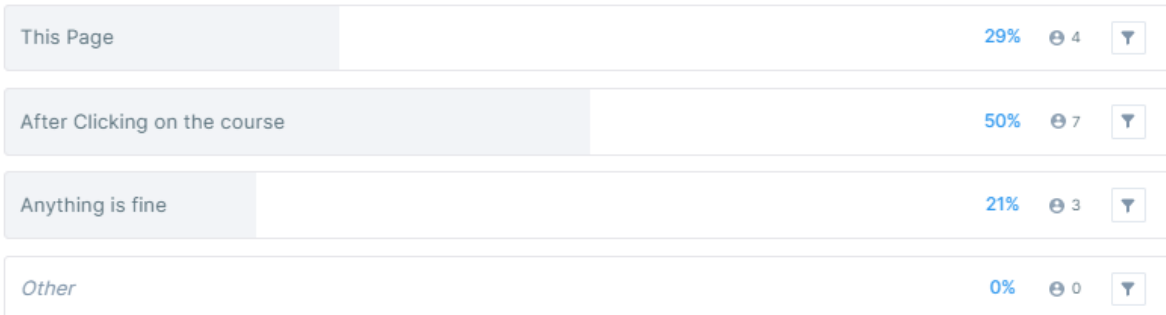
Yes	79%	11	
No	21%	3	
Other	0%	0	

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1b. Radio buttons question

Do you want the % attendance to be shown on this page or after clicking the course

Totals Answers 14



1c. Linear scale question

Please Rate the UI based on color combination

Mean: 3.8

Very Bad

Very Good



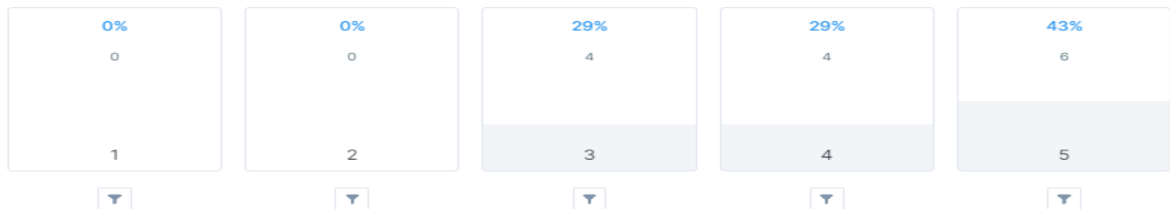
1d. Linear scale question

Please Rate the UI based on its visibility

Mean: 4.1

Cannot Comprehend

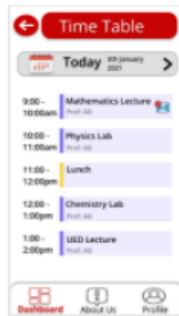
Easily Understandable



Around 80% of users were easily able to comprehend the icons used to portray the level of attendance. Around 50% users supported that attendance should be shown after clicking the course name. UI was rated mainly between 3-5.

5 sec Test

1. Five Second Test (design shown for 7s)



1a. Check boxes question

Which features are you able to recall from the Timetable shown?

Totals Answers 14



Course Name	100%	14	
Professor Name	36%	5	
Date	86%	12	
Option to navigate to a another date	29%	4	
Message	29%	4	
Time	93%	13	
Other	0%	0	

1b. Radio buttons question

Did you see the pending message option?

Totals Answers 14

yes	50%	7	
no	50%	7	
Other	0%	0	

1c. Short text question

Is there anything else required to be shown except the features in mentioned the previous questions?

Answers 14 Tags 0 Word cloud

Select all Search responses Add/edit tags

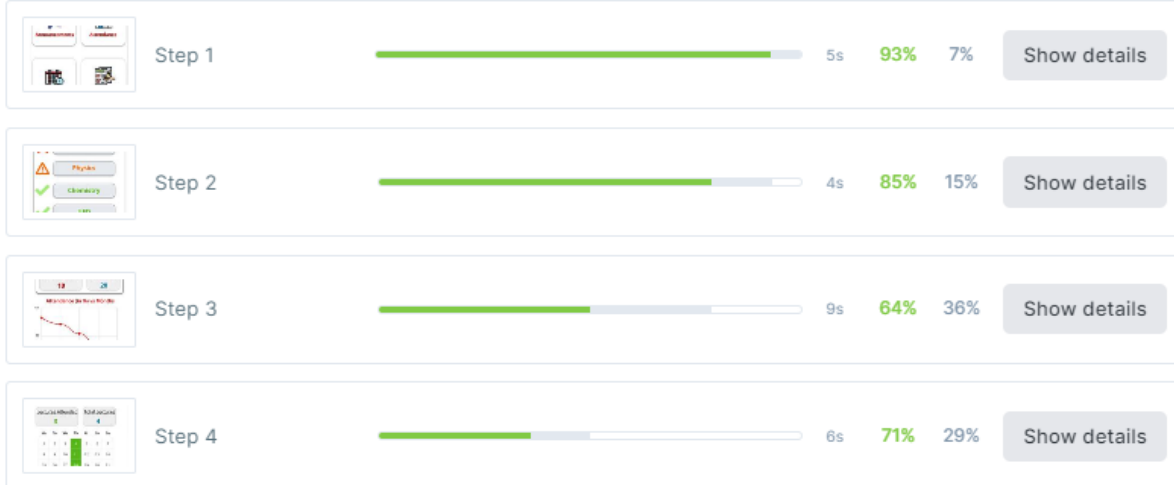
- ☐ I don't think so
- ☐ It should be more informative
- ☐ No it is sufficient
- ☐ No
- ☐ Duration
- ☐ No
- ☐ Location of the class could be shown.

Pending Message, Professor name were not recalled by the users. 50% users were able to see the pending message icon. Users were satisfied with the UI. Location of the class was a suggestion provided to be included.

Navigation Test

1. Navigation Test

How will you check the attendance for Mathematics and the days when you were absent in January ?

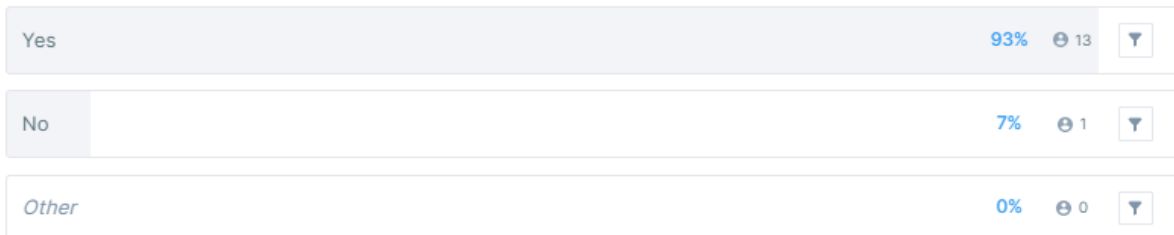


i A total **36%** of participants completed all steps in an average of **21 seconds**.

1a. Radio buttons question

Did you find the navigation easy?

Totals **Answers 14**



EXP 5 UED LAB

Any suggestions for better navigation?

 Answers 14  Tags 0  Word cloud

☐ Select all

 Search responses

Add/edit tags

☐ No

☐ Nothing much

☐ None

☐ No suggestion

☐ You could have kept only one navigation part either maths or January

☐ No

☐ Back button could be a bit smaller and lighter shade of red could be used.

☐ No

☐ None

☐ No, its perfect

☐ Good UI, select a better color scheme

☐ no

☐ Days absent in january part is not clear

☐ None

70% of the users were able to smoothly navigate through the attendance. Users recommended to change the back button and others were satisfied with it