



ASTROOONUS

PROBLEM STATEMENT:

There is no encouragement for pursuing space science and students have to abandon their dreams and eventually go into careers that are not chosen by them.

Our app, Astrooonus , aims at eliminating the chaos created by not-so up to par information provided by unverified sources on search engines, in context of astronomy. Our app is made keeping in mind the simplicity and authenticity of information.

HCI GROUP NO: 29

TEAM MEMBERS

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"DO NOT LOOK AT STARS AS BRIGHT SPOTS ONLY. TRY TO TAKE IN THE VASTNESS OF THE UNIVERSE."

- Maria Mitchell, Astronomer

INTERVIEWS

List of participants:

1. Lakshay Sharan
2. Ashutosh Gera
3. Saurabh Kumar
4. Pavit Singh
5. Mrs. Deepa Jain



MIRO BOARD LINK

https://miro.com/app/board/uXjVOFo2OAs=



NAME - : Lakshay Sharan

AGE -: 17

OCCUPATION -: Student at IIITD

- What were your childhood experiences with astronomy?

- In class 9th 10th we used have a science book in which, chapters of physics used to fascinate me like gravitation and Law of motion. I used to watch a show called COSMOS: A Space Time Odyssey on discovery channel and that was my entry point to this interesting field.

- Have you ever thought of making a career out of astronomy?

- Yes. when i was in class 8th, I dreamt to be an astronaut or astrophysicist but i had to leave that dream because my parents told me there aren't much options in this field, it is very costly in India to pursue, less success rates and takes a long time to make a career out of it. So in the end, I choose Engineering.

- Will an app interest you which is based on astronomy? Will you be able to manage your time even being busy with your primary studies ?

- Yes Absolutely. I will surely manage my time to fit astronomy as a subject in my life. I can even cut out other subjects which do not interests my like communication, to further pursue astronomy which is my dream.

- While studying from an ED- Tech app, which mode do you prefer for content consumption, Video or Text?

- As I said earlier, when i was a child, Videos of science stuff, TV Shows and Science magazines used to excite me, so videos are perfect medium to teach a student and you can also add visual graphics to keep students engaged.

- What would you suggest we add/change in our app ?

- The thing that stopped me to pursue astronomy is Motivation. I didn't continue this field of study because no one motivated me to pursue it. You should promote this field and aware students about future opportunities in astronomy which will encourage them to follow their passion.



NAME - : Ashutosh Gera

AGE -: 18

OCCUPATION -: Student at IIITD

- What were your childhood experiences with astronomy?
- Yes I was interested in Astronomy in my childhood. My dream was to be a Pilot when I was preparing for JEE but I had to leave that dream because colleges weren't providing specialized courses

- In which mode you would like to consume astronomy content.
- I would like to view content in Animated, Graphical and video format it helps in better explanation and imagining things in better way. And Imagination plays a major role in learning astronomy.

- What are your thoughts if we develop an app to teach astronomy?
- Well the app should have diverse features because this field is not limited to only astronomy but other fields as well like Physics, mathematics, Biology and other core science subject. You have to make the app interactive and visual. Try to provide certified teachers that not only teach students but motivate them to further pursue the field

- What are thoughts about future of Astronomy ?
- I think most of the astronomy field is unexplored right now. The future is quite bright and astronomy is ever growing field. Recently a scientist managed to render a actual photograph of a black hole which once seemed impossible.

- What would you suggest we add/change in our app ?
- The course videos that you'll be providing must not have any time constraints to watch so that users can watch anytime they want which will give your app more flexibility and a sense of independence.



NAME - : Saurabh Kumar

AGE -: 19

OCCUPATION -: Student at IITD

- Have you ever dreamt to be an astronaut in your childhood?

- Yeah, In childhood I was interested in astronomy but due to lack of resources and opportunities it eventually faded away.

- In the present situation do you have any interest in astronomy?

- Yes, I have interest in astronomy but due to exhaustive curriculum of college and time constraint, I'm not able to explore it. If your app provides me a chance to explore it so, I will definitely try to give some time to it.

- What was your parents' opinion ?

- My parents never stopped me from pursuing anything I wanted.

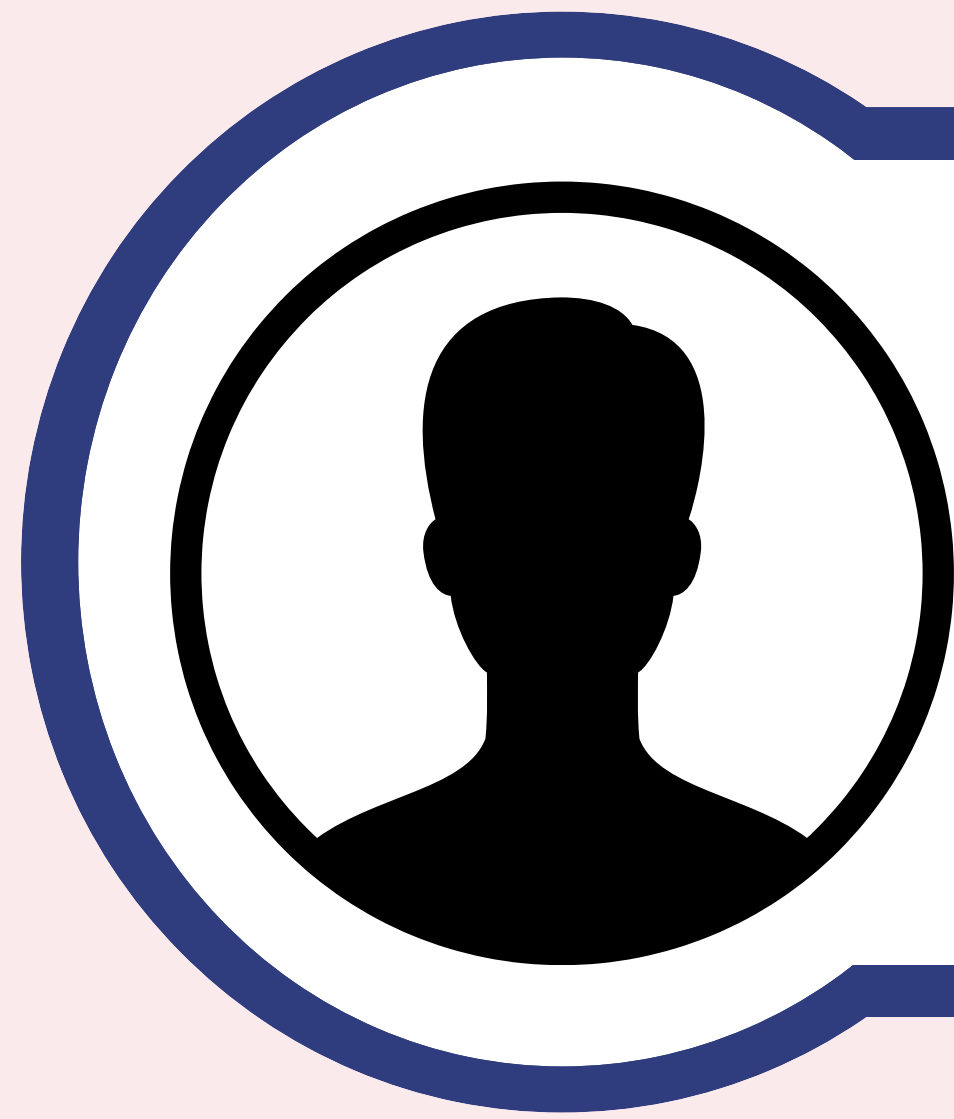
However, they never wanted me to go overseas and hence didn't much promote me to astronomy because most good opportunities in the sector is overseas.

- What are the several resources(paid or free) that one would use for gaining knowledge in a domain like astronomy

- There several resources that I heard about like boos of famous authors and websites like brilliant.org and wikipedia

- What would you suggest we add/change in our app ?

- The COVID era and the online education paradigm has made us realize the importance of one on one interaction. So live lectures with several options for live interactions with the teachers and mentors would be essential



NAME - : Pavit Singh

AGE -: 19

OCCUPATION -: Student at IIITD

- What were your childhood experiences with astronomy ?
- I was not that much interested in astronomy but I use to watch planetary shows and others shows like cosmos. Because those shows were fascinating to me in childhood

- Do you think that if you were interested in astronomy then there will be any kind of parental/societal effect in choosing astronomy as a career ?

I don't think so because my

- parents are always supportive and as societal I think everyone has different perspective so some will oppose and some will support but at last it depends on ourselves.

- Would like a mentor who can solve your doubts and guide you in learning process ?
- Yeah, Like if I watched a video and some concepts are not clear to me then I will have to browse all over the internet which will consume a lot of time so It would be better if you can provide some kind of mentor.

- How much time you would like to give to our app daily ?

- I will use app only in free time because as a student of IIITD I don't get much free time because of deadlines and exams. It would be hard for me to give particular time to an app. It all depends upon how much I am intrigued by it.

- What would you suggest we add/change in our app ?
- App should provide a feature in which we can easily scan the constellations.
- And paid courses should provide some kind of demo so that user can get an idea of content.



NAME - : Deepa Jain

AGE -: 53

**Occupation -: TGT Physics at
Vivekanand School,
Founder of Pashaar
Solar Solutions**

- What were your childhood experiences with astronomy?
- As a child I was always interested in physics as a whole. Astrophysics was a big part of it. I remember reading books and discussions with friends about constellations and heavenly bodies. We didn't have any digital resources so I didn't explore astronomy much further.

- With what thought and motivation would you use the app if such app is available with you ?
- My motivation of using the app would be the quality of the content and time management of the courses. And if I get a certification of my achievements, it would be a delight to use.

- What is your opinion on space science education in India ?
- As per the infrastructure and job opportunities related to space science, I believe there are several institutes providing degrees and jobs in the sector. Many free digital resources are also easily available. For astronomy to grow as a sector in India, research has to be aided with technology and advancements must be made in all aspects

- What would you suggest we add/change in our app ?
- Physics is a very visual subject, and the astronomy part of it is the most difficult to visualize. If some visual aspects like detailed/Realistic diagrams of galaxies, black holes etc. can be shown to the students during the courses, it would be a game changer. A simple yet effective design will also suffice.

- How much interest do you currently have in astronomy?
- As of now, I don't have much interest left in astronomy. I feel the much I know is enough as it doesn't directly affect my life. I do keep myself updated but never go into detail.

Important links

Consent Form:

<https://forms.gle/A1mVMsdbLtk1UcRF8>

Astronomy Survey:

<https://forms.gle/82xNTM7FGMiVyhbh6>

Interview Audio Recordings:

<https://drive.google.com/drive/folders/12PF9p7nKtdFJppB-nBxiP1nqCgJAgGo8?usp=sharing>