**Questions that can be asked tom**

**1)What is the future potential of your app and how are you going to manage it after your college is done?**

* The future potential of our app is really promising for the simple fact that since it is a app which has the sole purpose of helping people in a topic which is too sensitive to speak of, therefore it is going to benefit the user for the long run as it is going to be present on the mobile devices .
* there are many websites and blogs about mental health which can be found online but the topic that I have chosen that is the problems faced in mixed families is something really different and something really personal to me so this topic is going to standalone since not many people have raised an awareness about it
* and since im providing with a platform in which people from all around the globe can share their personal experiences anonymously hence my project is going to have a huge positive response
* before concluding my thought on this particular topic I gave it a lot of thought because I wanted to make something that is going to be present to the whole world at their expense and pleasure and I wanted to help other aswelll because when I was in this stage of my life .. atleast something like this would have definitely helped me heal faster hence I have decided to make a website for the same
* in order to take my project to the next level I would try making an app for the same since I have fair exp in app dev . for my app one of the main additional features would be a chat box in which people could communicate virtually with other people along with counselors if required any assistance/help

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**2)How can we trust you three students with all the private data of vit students that is going to be stored in your firebase database**

* We are ready to share the source when we the code base is well documented and stable
* Trust us, we want to help others

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**3)Why didn’t u use any other database services example the vit server**

* Firebase is well integrated
* Firebase requires less maintenance
* Reputation, trusted by lot of devs
* 99% uptime
* No server maintenance, and other network configuration stuff

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**4) Expensive??**

* For our use case, we feel Firebase should be really inexpensive as discussed earlier. If we are catering to <500 to 1000 DAU, firebase should be free
* Since the application currently only supports chats, the 1 GB limit should theoretically be tough exceed in the short term
* Unlimited accounts can be created for free
* 15,00,000 reads per day and 6,00,000 writes per day is a very generous amount in the free tier

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**5)how is confidentiality maintained on the grounds of authentication in firebase ?**

* Firebase itself uses encryption at rest (so the data is encrypted by default by Firebase) using TLS standard
* Hence man in the middle attacks are difficult

**2 levels of security**

1. Firebase provides us with custom rules which we use to restrict users to ONLY the counsellor they have been assigned. One cannot access any other chats from the user side.

In short, it is not possible to even read anything that the user is not permitted to in the database, let alone manipulate it.

These rules are carefully implemented in the backend by us.

1. Encryption: Every conversation has a unique encryption key, similar to most messaging apps like Whatsapp, Telegram, and Signal.

In the event that someone gets access to the main database, he CANNOT read the chats since each chat is encrypted with a unique key.

A conversation between Student A with a counsellor and a different conversation between student B and a counsellor will have a different “lock and key”.

Breaking AES encryption through brute force is really difficult so we feel that the app is secure enough.

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**6)how are the chats going to be secured since you three students are going to be able to access it**

* **Same as previous one**

**7)how are the students using the app going to be anonymous ?**

* Nickname
* Only student name is visible to counsellor side
* Database admin cannot see the message content

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**8)why did you contact senthil sir when we had told you to wait for our further response ?**

* Sury will give 25 min answer no need to prepare

**8)what is going to happen if we would submit our source code to the respected sdc members?**

**9)Is there any scope of collaborative work?**

**10)If the students approach anonymously, how are they going to be helped if they are in serious situation?**

* **In such cases, the counsellor side can reach out to the database administrator**
* **The database administrator can find the email ID of the student using the nickname**
* **Using the email ID, the name and hostel room of the student can be found**
* **This is our current plan, we will love to tailor this according to your**

**11)how do the chats work**   
**12)why did the progress of the app halted in mid july**

* **Academic pressure**

**13)is the app still in the progression stage**

* **Yes**
* **Make error messages user friendly**
* **Documentation**
* **Motivational content**