Step 1: Define User Types/Personas

Identify the key user types for your app:

Students (Class-wise and College)

Teachers

Guest Faculties

Step 2: App Functionalities (User Stories)

For each user type, create user stories to describe what the app will do for them:

For Students:

Post academic questions

Create group discussions

Receive answers from other students

Reply to friends' posts

Get clarifications from teachers

Access subject-specific chat groups

For Teachers:

Respond to student queries

Participate in group discussions

Provide subject-specific expertise

For Guest Faculties:

Join conversations in their expertise

Offer expert answers to student questions

Step 3: Hand-drawn Sketches

Sketch the screens for the app, focusing on key functionalities:

Home Screen:

Header with the app logo and user profile picture

A search bar to find specific subjects or questions

A feed of academic questions and answers, with options to filter by subjects

Notification bell icon to alert users about new responses and messages

Access to the user's profile and settings

Question Detail Screen:

The academic question and context

Answers from students and teachers

Option to post follow-up questions or answers

Like and comment buttons

User profiles with pictures and expertise tags

'Ask a Teacher' button for advanced queries

Subject-Specific Chat Group Screen:

List of available chat groups for different subjects

Ability to join or create chat groups

Ongoing discussions and messages within each group

Option to invite teachers or guest faculties to the conversation

Chat Interface:

Chat window with real-time messaging

User profile pictures and usernames

Emojis and attachments for enhanced communication

Notifications for new messages

User Profile Screen:

User's profile picture and details

Questions and answers posted by the user

Personal information and expertise tags

Option to edit profile and settings

Step 4: Additional Explanations

Provide additional details to guide your developer:

Technical Specifications: Decide the platform (mobile app, website, or both) and data storage methods.

Data Security and Privacy Measures: Implement measures to protect user data, similar to locking a diary.

User Authentication Methods: Develop user login and verification methods.

App Navigation Flow: Plan the user journey through the app, like designing roads in a city.

Preferred Design Elements: Choose the app's visual style, color scheme, and icon design, like decorating a room in a house.