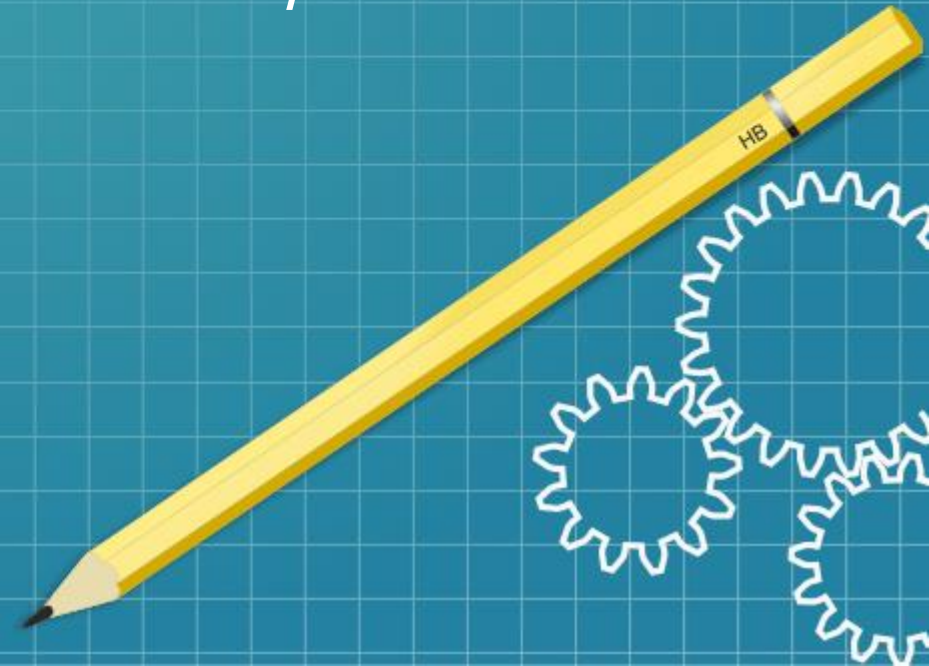
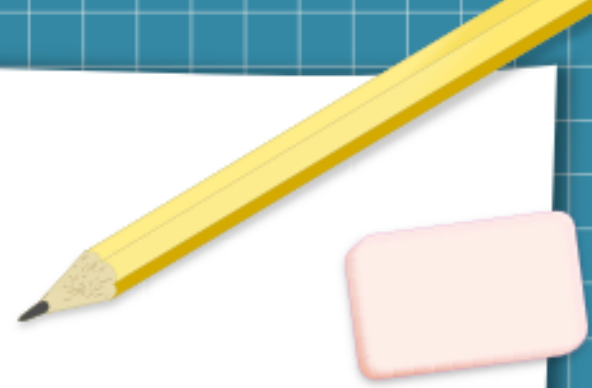


# Announce IIT

Keeping you updated, always



# Current Updates at IIIT-H



- **Facebook**

- Facebook is used for all official updates and events.
- Pages are made by every club or association where content is shared.

- **WhatsApp**

- Every batch has at least two official groups and several others.

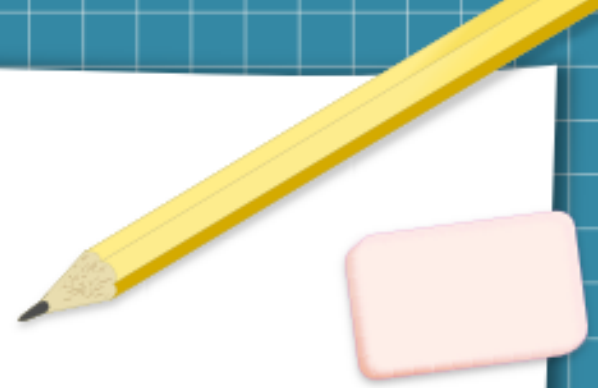
- **Discord**

- One or many servers are made to share updates.

- **Instagram**

- Posters regarding the event are posted here.

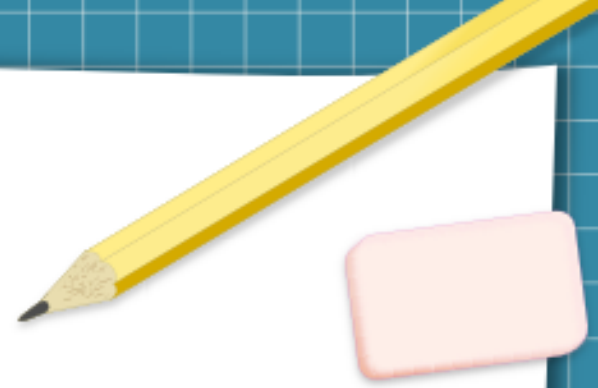
# Problem Faced



- There are at least three different channels of sharing updates.
- Not all students are active on these channels.
- Due to large number of students, these are prone to spam. So students tend to mute them.
- Anyone who receives the invite link can join.
- As a result, when there are some important announcements students might miss out on them.

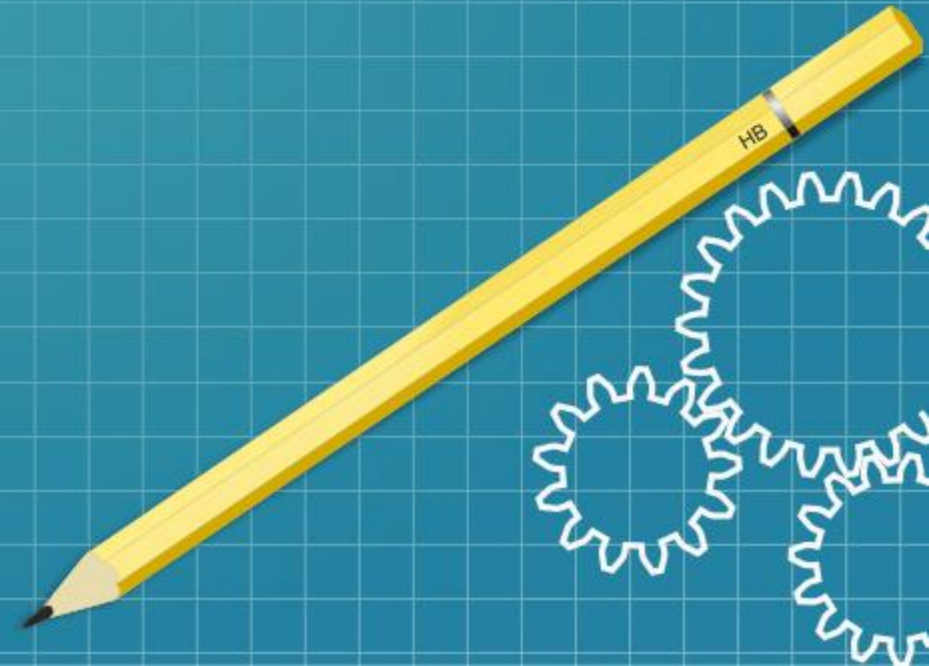
THE SOLUTION :

# Announce IIT



- Announce IIT is the one stop app where you can make and join custom rooms.
- There's free will in posting.
- Power lies with the creator of the room. He/she has the ability to delete a post if noticed as spam.
- Share short and to the point information so no one ever misses out on an event again.

# Technical Details



# React



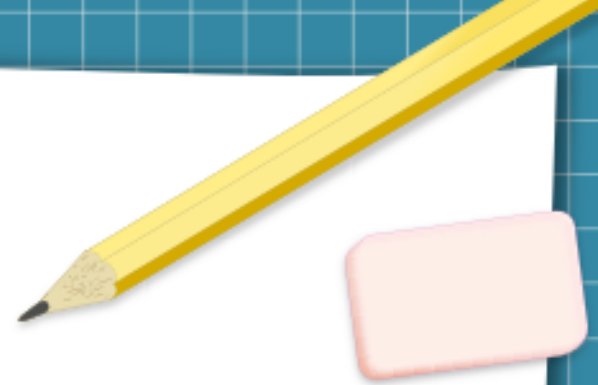
- React is a JavaScript library created by Facebook.
- It's a tool for building User Interface components and Single Page Applications.
- The front-end of this project is a single page web application developed entirely using React.



# Redux

- Redux is a central state management system for JavaScript applications.
- It follows a simple PUB/SUB approach, where a component can subscribe to it for accessing data from the central store, and a component can also publish to the data store to update its contents.
- Redux is used in this application to maintain a local copy of the data fetched from the external database.

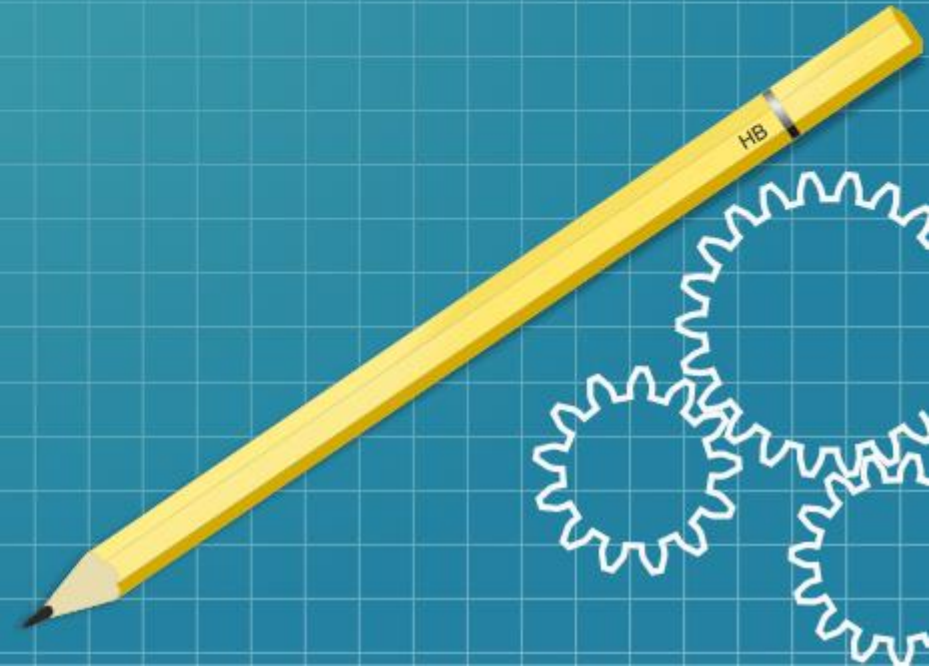
# Firestore



- Firestore is a Cloud Processing facility provided by Google. It is an implementation of the concept of "Backend As A Service".
- It provides developer facilities such as cloud storage (Firestore), cloud processing (Cloud Functions), Authentication (Firestore Auth), Analytics, and much more.
- Firestore takes the role of managing the backend in this project. All the data about rooms, events and users is stored in a Firestore cloud database, authentication is done using Firestore Auth and notifications are managed using Firestore Cloud Functions,

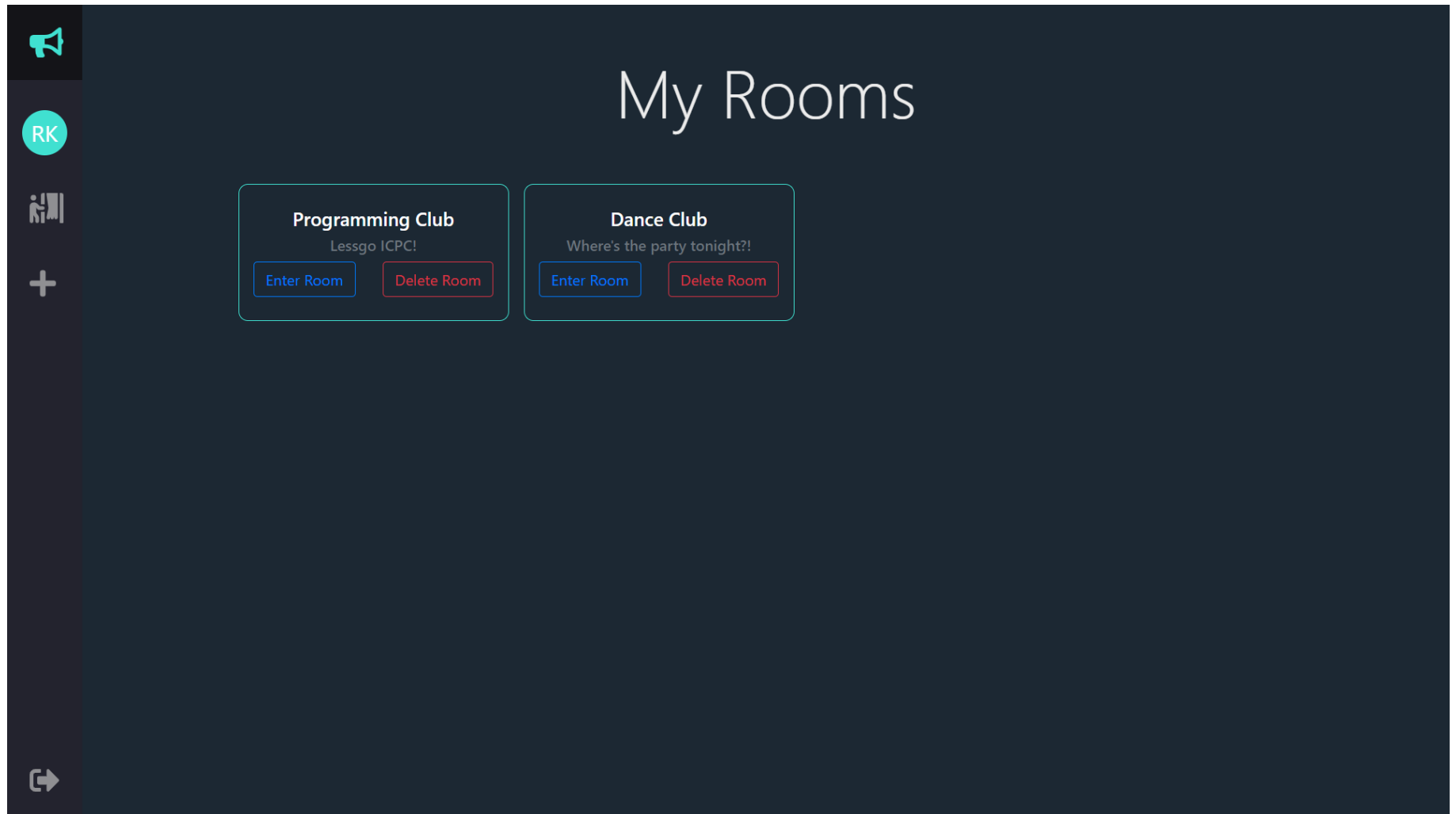


# Overview



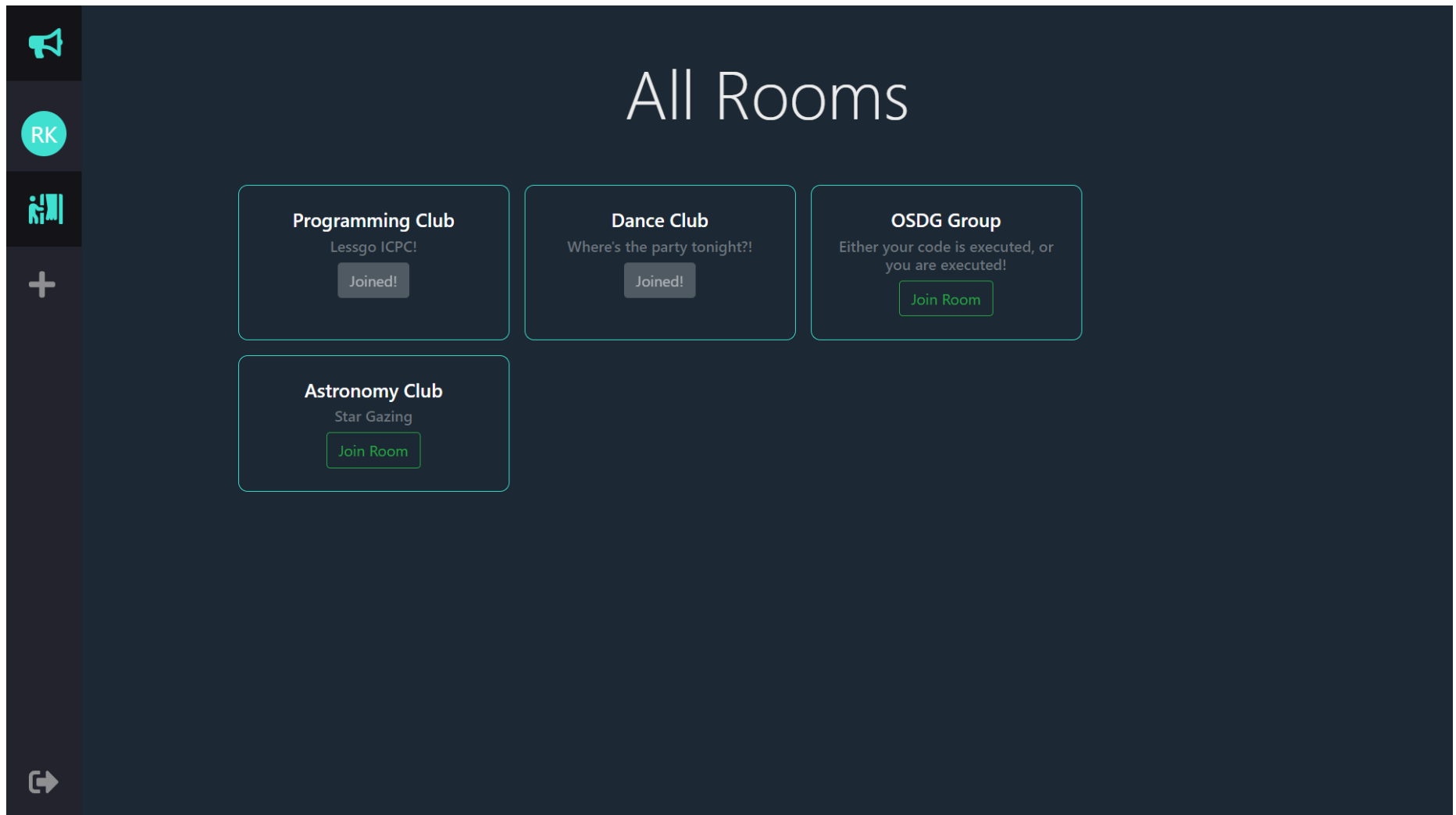
# My Rooms

A user can see a list of rooms he/she is a part of on log in. They can also leave a room if they like.



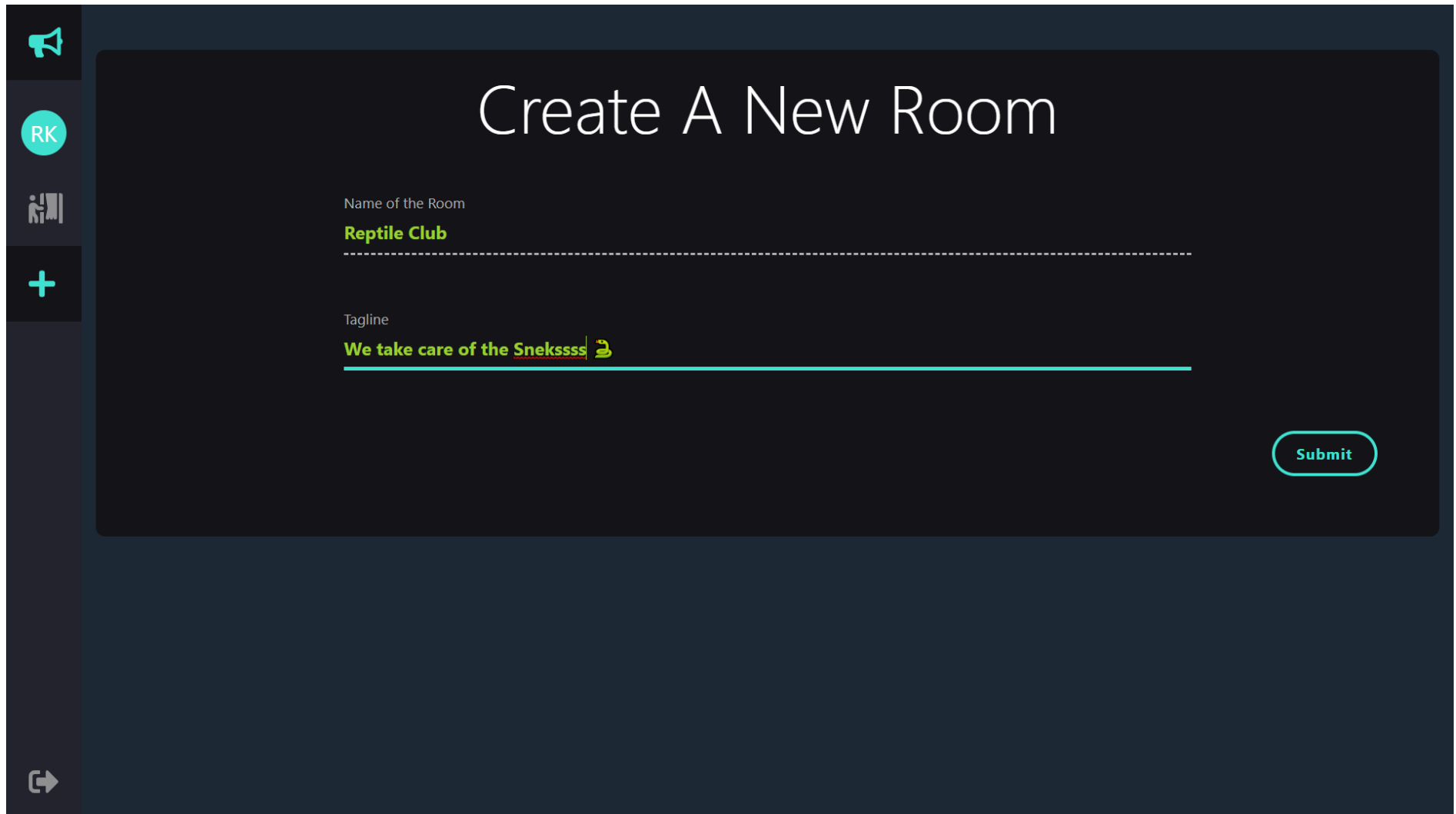
# Join a Room

A list of all the Rooms that already exist, that you can join








# Create a Room of your Own

Need to create a new room for you and like minded peeps?



The image shows a digital form titled "Create A New Room" on a dark background. On the left is a vertical sidebar with icons: a megaphone, a circle with "RK", a group of people, a plus sign, and a share icon at the bottom. The form itself has two input fields. The first is labeled "Name of the Room" and contains the text "Reptile Club". The second is labeled "Tagline" and contains the text "We take care of the Snekssss" followed by a snake emoji. A "Submit" button is located in the bottom right corner of the form area. A yellow pencil and a pink eraser are positioned in the top right corner of the overall image.



## Create A New Room

Name of the Room

Reptile Club

Tagline

We take care of the Snekssss 🐍

Submit

# Inside a Room

A list of events being organized by the club





## Reptile Club

RoomID: 416d4c43-ff23-4c01-b141-f3d2a95f278d

We take care of the Snekssss 🐍

[Add Event](#)



### Snek Hunt on World Snake Day

Beat Down on those Roommates that study while you sleep

 Venue: Respective Hostels

 Time: 7:30PM Onwards

 Date: 16/06/2020


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-Ritvik Aryan Kalra

24/05/2020

# Add and Event

Something going down in your club? Let the members know!





## Add an Event

Name of the Event

**Reptile Photography**

Short Description of the Event

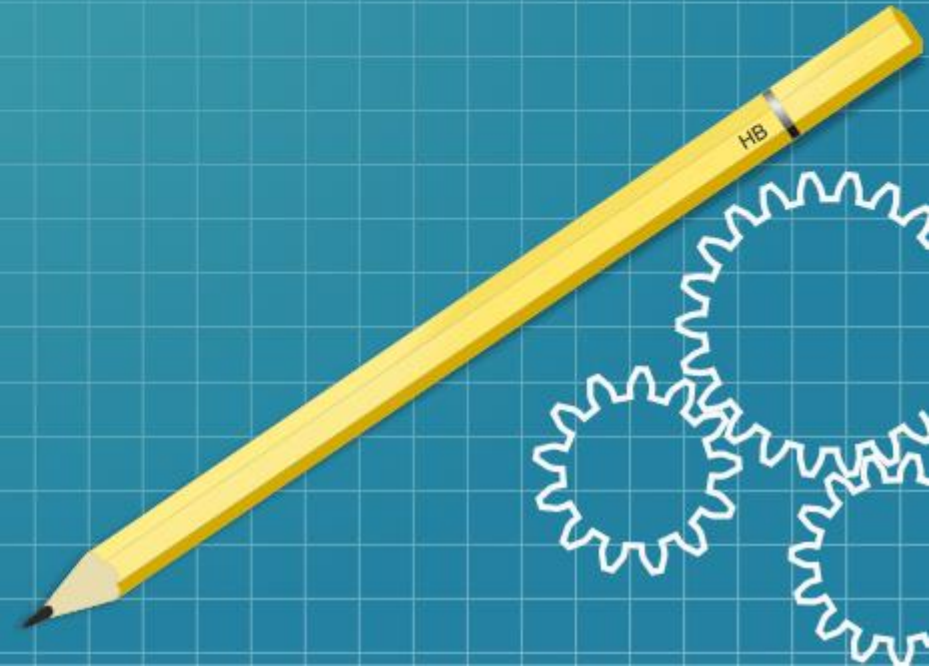
**Will be heading into the forbidden forests in campus to get some cool pics!**

Venue	Time	Date (DD/MM/YYYY)
<b>Woods Staff Quarters</b>	<b>5:30PM</b>	<b>27/05/2020</b>

**Submit**



# The Future of the Project





# Vision for Announce IIIT



The Vision for Announce IIIT is for it to be integrated into the IIIT ecosystem. For it to use CAS authentication and be used on a large scale by all the clubs in IIIT to keep their members informed about upcoming events.

However, this isn't meant to be used for official and academic purposes, rather, in more of an informal setting.

Also, we are aware that a Web Application isn't the most appealing when it comes to the field of notifications and alerts, that is why, there are plans to port this application to mobile using either React Native (as most of the code for the web-app is already written in React) or Flutter (because it is awesome, and we don't want the DASA kids with their iPhones to miss out on the app). Either way, the backend logic with Firebase won't require much tampering and will remain intact.



# Report and Project by IIITH UG2K19:

Arihant Srikar Tadanki  
Dhruv Kapur  
Ritvik Aryan Kalra  
Sidharth Giri