A PROJECT BY "CODE HAWK"

# EVENTIQUE

# INTRODUCTION

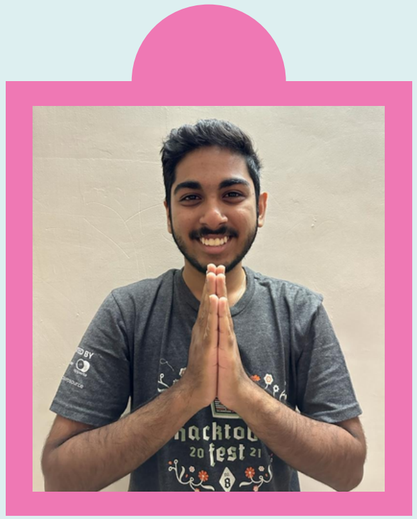
## README.TXT

Eventique is a club events management tool for the college and provides a handful of features. Eventique helps in reducing the hassle of conducting an event by semi-automation of some of the procedures like ticket and certificate generation

LETS GET STARTED

# TEAM MEMBERS

WE ARE TEAM "CODE HAWK"

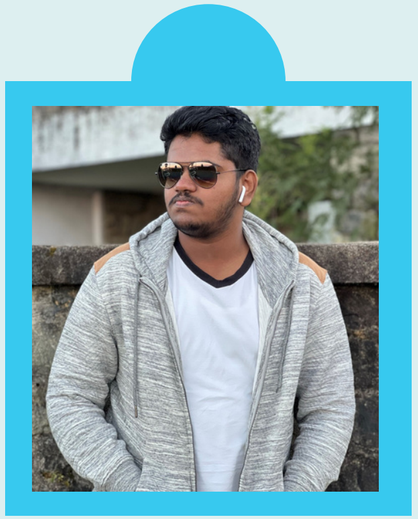


## AADITYA

Back-end Manager

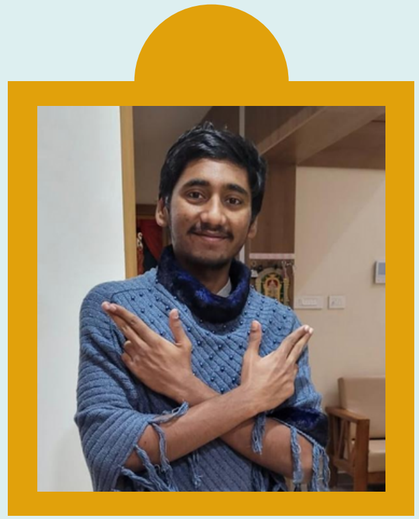
## S. KARUN

Webpage Developer



## R. AJAY

Database Management



## SANJAY

Python Developer

# ADMIN TOOLS

- ADD EVENTS
- GENERATE CERTIFICATES FOR EVENTS
- BOOK ROOM FOR EVENTS

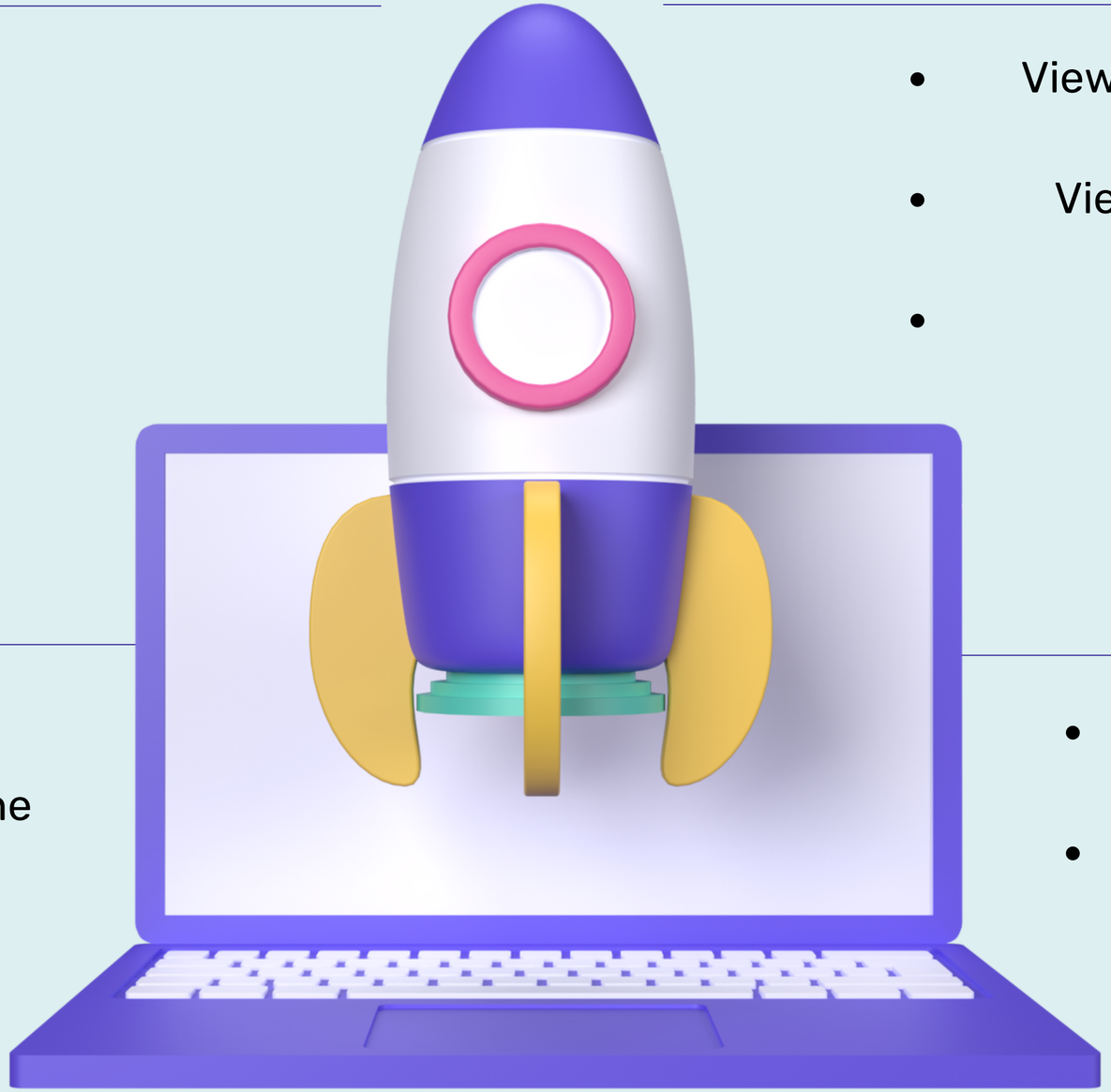
# USER INTERFACE

## PROFILE

- View profile

## EVENTS

- View Upcoming Events and have alerts for the same
- View Event Ticket (Gimmick for Event Promotion)
- Enroll for an event



## ROOMS

- Book rooms for separate classes
- View Booked Rooms at the College

## CERTIFICATES

- Locker for Issued Certificates
- Readymade certificate template for auto-generation

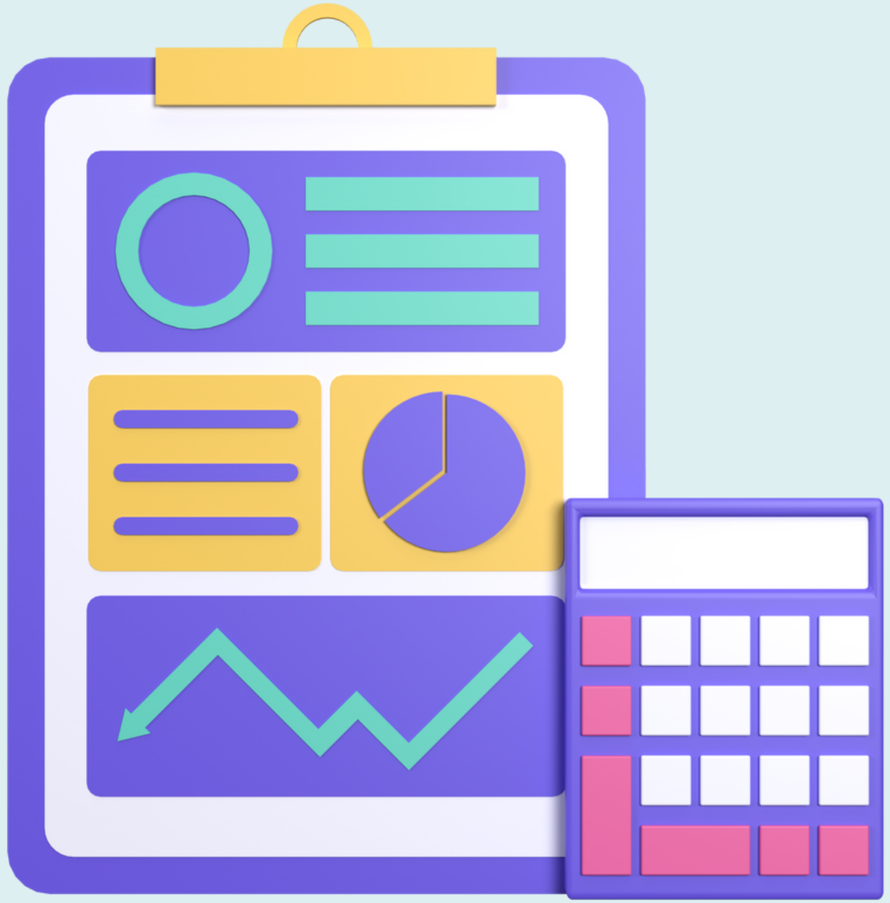
# COMMON FEATURES

| | |
|---|---|
| ONE | Use Server-Based Instant Messaging to interact with one another |
| TWO | Edit Profile Settings |
| THREE | Log-in/ Sign-Up |
| FOUR | E-Mail OTP Based Sign Up Verification |
| FIVE | E-Mail OTP Based Forgot Password Feature |

RETREIVE BOOKED ROOMS

LOG IN TO THE APPLICATION IN ORDER TO

- Retrieve My Events
- Retrieve Event Ticket



API

# TECH STACK

## ALL THE TECH STUFF USED

Material Design Lite for Cascading Style Sheets

PYTHON 3 | HTML | JAVA SCRIPT | GUNICORN | NGINX SERVER

- Flask
- json
- Pillow/PIL (Python Imaging Library)

# SECURITY FEATURES

## PASSWORDS

Passwords are stored as SHA224 Hashes and all inputs are sanitized in order to strengthen security. This web application has been tested against the OWASP TOP 10 Vulnerabilities 2021

## A03 INJECTION

Flask automatically sanitizes input into HTML Encoding, hence preventing SQL Injection. Moreover, this project uses JSON Files as offline database for storage.

## A01 BROKEN ACCESS CONTROL

Credentials are stored as SHA224 Hashes, Password Recoveries require Email for OTPs and Session variables are stored as JSON Dumps, and are safe from MITM Attacks as the app has a Secret Key. Moreover, we use Flask-SSLify to ensure we run on HTTPS even on testing environments - using self-signed SSL certificates.

# THANKS FOR WATCHING

This was made as a part of
PSG Github Campus Club's
GitX Hackathon