

Presented by The Mindbogggers



Trishul

REIGN | 2023

Problem Statement

To create an application for the hostellers of IGDTUW which helps them, the admins of the college, as well as their parents to track the in-time and the out-time and also tracks the location of the student

Problems and Solutions



TRACKING THE LOCATION OF
THE STUDENT

This app will enable the student to share their live location with their wardens and their parents

KNOWING THE IN-TIME AND
THE OUT-TIME OF THE
STUDENT

This app will also help notifying the student of their upcoming in-time by which they have to reach their hostels

KEEPING TRACK OF OUT-
PASSES ISSUED TO STUDENTS

This app can also keep record of the out-passes and the holidays taken by the student that were issued by the wardens



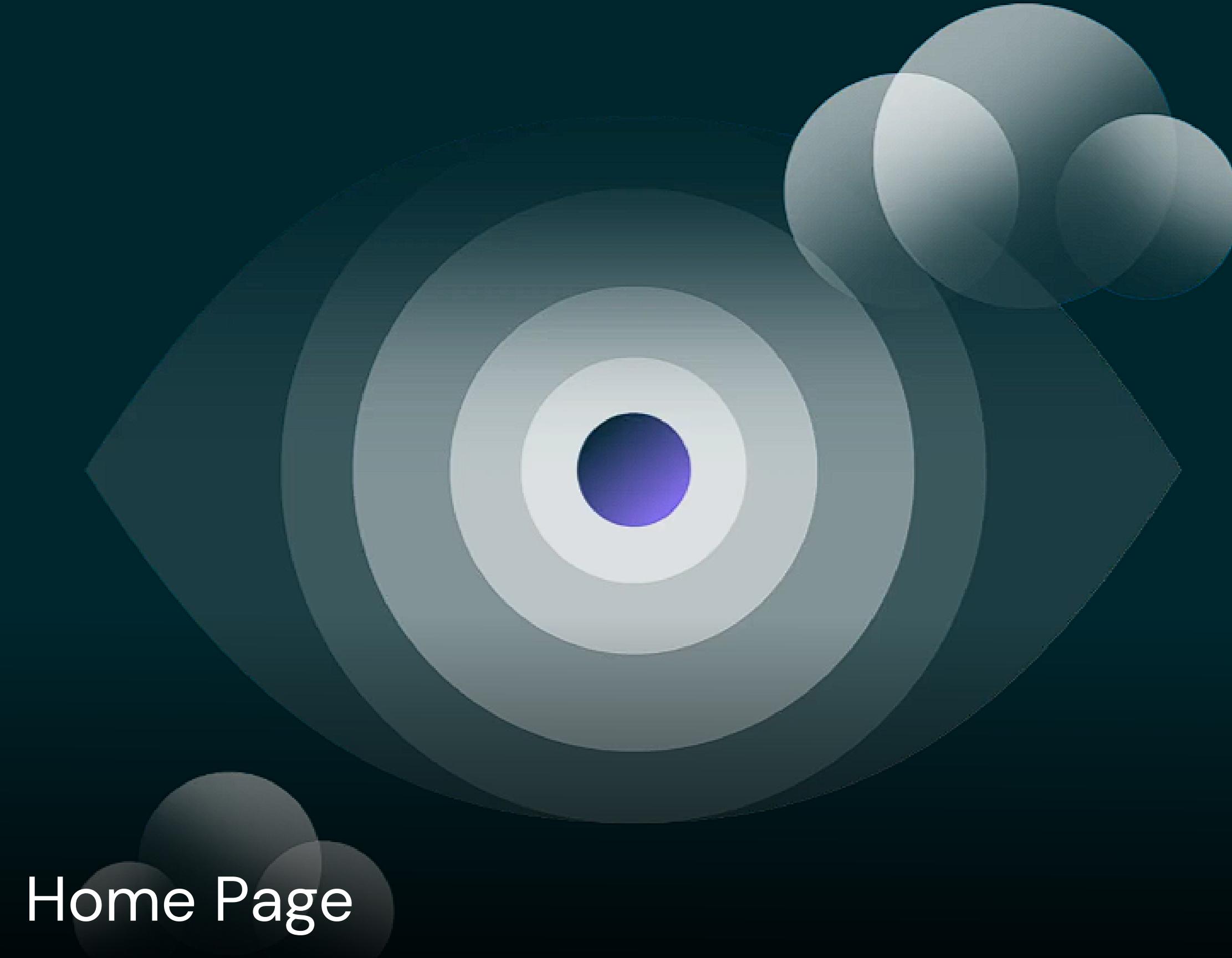
FEATURES



Direct Communication Channel	Stay directly in touch with the admins and parents to ensure complete safety
Outpass Approval Process	Outpasses requested by the students can directly be approved by the wardens through this app
Live Location Sharing	Students can directly be tracked through live location sharing
Identity Authentication	Only IGDTUW students can login though their unique enrollment number already provided to the students
Outings Database	Outings taken by the students can also be tracked on this application

Protecting you and your friends across the city

Made for and by the students of IGDTUW, this website helps your wardens and parents to keep track of where you go and also help keep track of your outpassess

[Sign In](#)

Home Page

What We Do

Connect directly with your college admins and parents

We, at IGDTUW, value and ensure the safety of our students and our college being an all-female institution, requires just an extra step of security, which brings us to our own website, Trishul. This website helps us keep track of our students of their location and the outpasses that were issued to them by the wardens.

[Learn More](#)



App Security

This app was made keeping in mind the security of the app itself so that only the students of the college can login into the app and no third-parties can access that data.



Exploit Prevention

It has been kept in mind so that the students don't exploit and misuse this technology. They will be given a warning that they have not shared their live location or they are outside the campus after their in-time.



Detailed & Secure Database

Trishul also has a very detailed and secure database which helps keep complete track of the outpasses and the exit and entry time of the student.

Features Page

Know more about our college

Indira Gandhi Delhi Technical University for Women, is an all women's university located in New Delhi, India on the heritage campus at Kashmere Gate, Delhi. It was founded as the Indira Gandhi Institute of Technology in 1998.

[Visit our site](#)



TRISHUL

Menu

Our Institution

Resources

Contact Us

Address: Rad. 1, Opposite St.

James Church, Kashmere Gate,

About Us & Contact Info Page

Sign Up

How It Works

Step 1

Monitoring Location Across The City

All you have to do to share your location is allow the app access to your location and that's it! Your location will automatically be shared to your wardens and parents.

Step 2

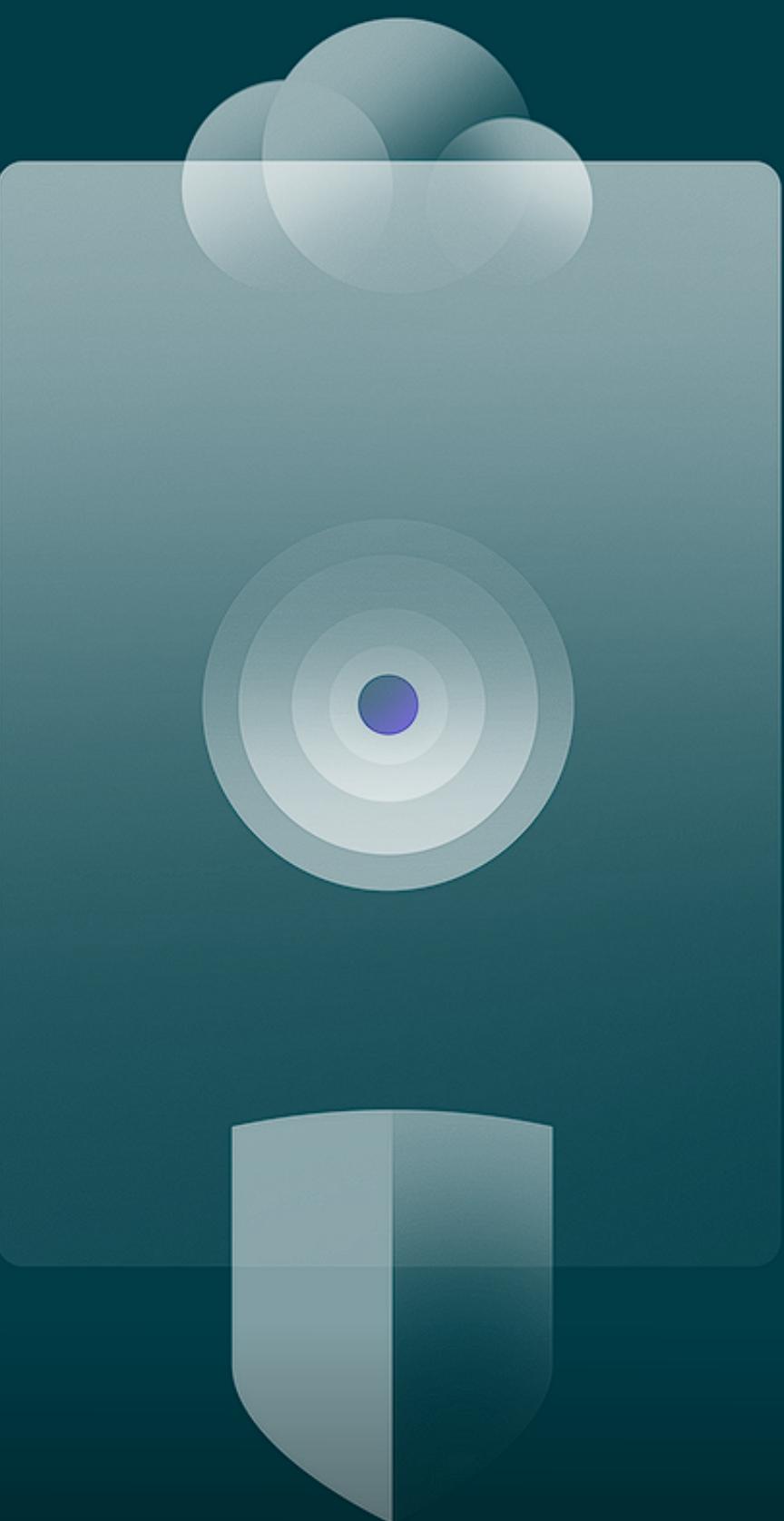
Detecting & Assessing Threats.

You will be looked upon by the caring eyes of your parents and the app will keep a record of your entry and exit time.

Step 3

Keeping a detailed database of outpass

Keeping a record of you going back to your home cannot get simpler. Just request for an outpass from your warden and it will automatically be recorded within the app itself.



How It Works Page



Powerful, Vigilant and Easy to Use

Get Started with Trishul Today

Our website allows for a direct communication between hostel residents and hostel staff regarding their presence in hostel keeping an update on students' in time and out time by face recognition, promoting a safer environment within the hostel. Additionally, the feature of admin approval for night leave and to track the students' location if she is not present in hostel allows for a more organized and secure platform.

Enrollment Page

[Try Us for Free](#)

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Demo Video

<https://youtu.be/HI9QypCKmsA>

Website Link

<https://mrpratham684.editorx.io/trishul>



Innovation

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Challenges

Security of user data

We need to keep in mind the student concern regarding protection of sensitive information by implementing robust authentication and authorization measures, including the use of Google Authentication.

24/7 Availability

Ensuring that the web portal is available 24/7 was a challenge as it required the use of robust hosting solutions like Vercel.

Negligence from the user

The user needs to share the location herself and if a person goes in emergency mode she needs to be online for safer side.

High maintenance

The website has to be checked upon on time to time basis due to security issues and has to be updated to the best of knowledge.

Future Scope



- Integrating live chat functionality for real time conversations.
- Large number of users which require detailed database for easy scalability.
- Incorporating emergency services by using emailing systems to alert the users of the notifications.
- Wide spread use so that more students get the benefit.
- Government approval for swift operation in collaboration with security authorities and local police for more safety.
- 24/7 availability to ensure student safety.



THE MINDBOGLERS

The Team



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Thank you!

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