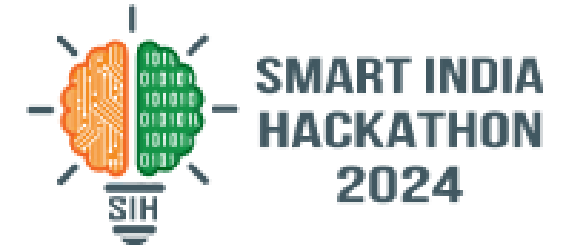


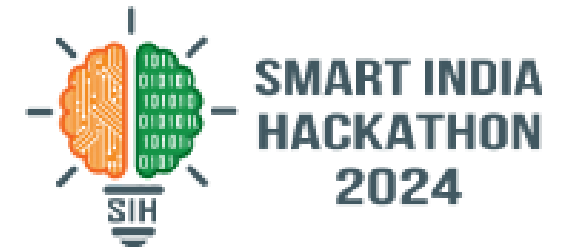
# SMART INDIA HACKATHON 2024



- Organisation : NSUT
- Problem Statement ID : 1
- Problem Statement Title : AI for developer productivity
- Theme : Software
- PS Category : Internal Hackathon
- Team Name : Null Ninjas



# Our Team



**Akash Gupta : [akash.gupta.ug22@nsut.ac.in](mailto:akash.gupta.ug22@nsut.ac.in)**

**Nitin Jha : [nitin.jha.ug22@nsut.ac.in](mailto:nitin.jha.ug22@nsut.ac.in)**

**Akash Singh : [akash.singh.ug22@nsut.ac.in](mailto:akash.singh.ug22@nsut.ac.in)**

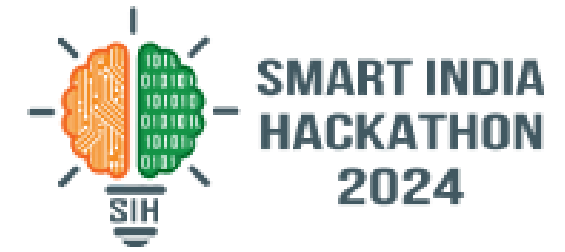
**Somveer : [somveer.ug22@nsut.ac.in](mailto:somveer.ug22@nsut.ac.in)**

**Himanshu Jha : [himanshu.jha.ug22@nsut.ac.in](mailto:himanshu.jha.ug22@nsut.ac.in)**

**Meesha Sikri : [meesha.sikri.ug22@nsut.ac.in](mailto:meesha.sikri.ug22@nsut.ac.in)**



# Problem Statement



## **Background:**

- Government universities need efficient management of financial transactions like tuition fees, research grants, and vendor payments.
- The existing platform, built on Ionic, needs to transition to React Native to provide a smoother user experience and better performance.

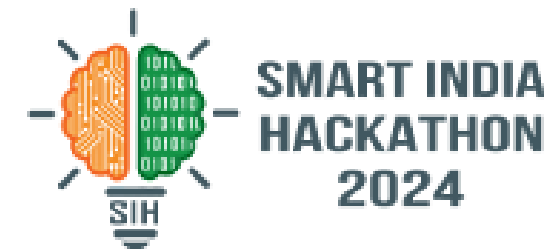
## **Objective:**

- Port the existing Invoice and Billing Platform from Ionic to React Native, ensuring that all functionalities are retained and enhanced with a better UI/UX and performance.





# Solution



Our **invoicify app** allows students to generate invoices for bonafide certificates, hostel fees, and fines by filling out a form with details like fee type, semester, and payment method. After payment, students can view and download the invoice directly from their portal.

## Dynamic Form fill

- Implement a responsive form in the student portal that adjusts to the selected fee type, capturing all necessary details with precise input validation to ensure data accuracy.

## Preview and Print

- Our app will generate a detailed invoice, including transaction details and payment purpose. Students can **preview** and **print** the invoice from the student portal.



# Our Invocify App



## **Instant Invoice Generation:**

- After successful payment, an automated system will generate a detailed invoice with transaction details and payment purpose. Students can access, download, or print the invoice from their portal for future reference.

## **Record Keeping and Track Payments History:**

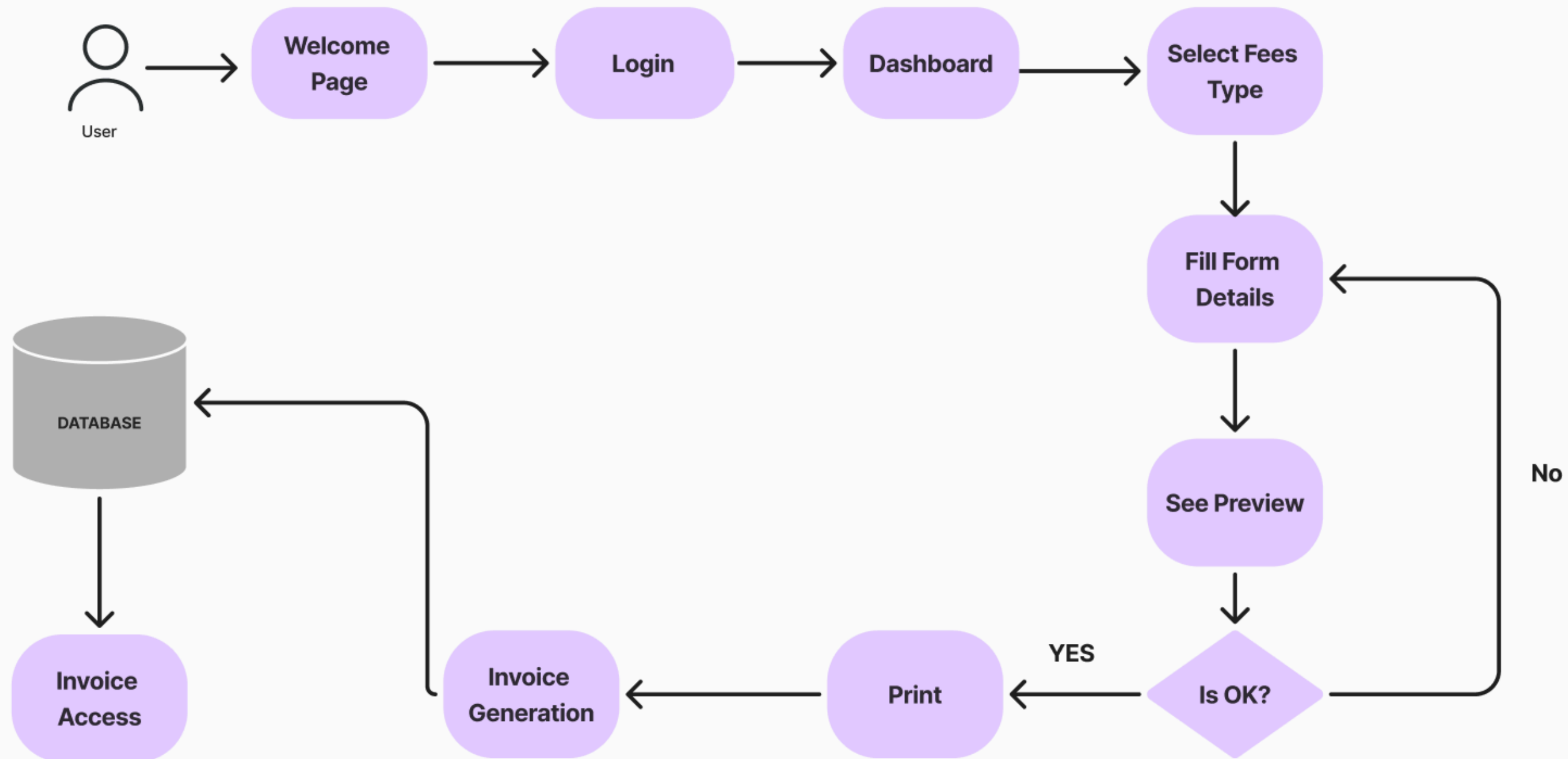
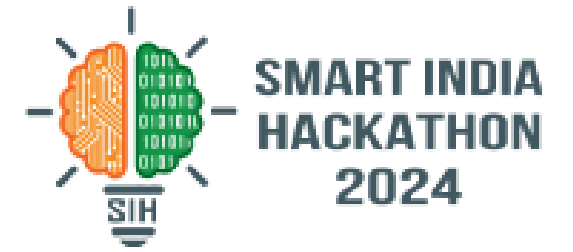
- Securely store all transaction records in the student's profile. Allow students to view and download past invoices from their portal.

## **Advanced Analytics and Reporting (future scope)**

- Add a module using a machine learning model to track payment trends, monitor outstanding balances, and generate reports for students and administration, enhancing financial transparency and efficiency across the university's systems.



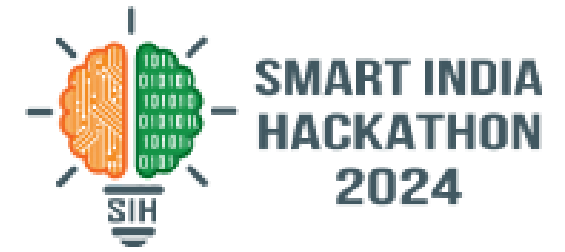
# Flow chart



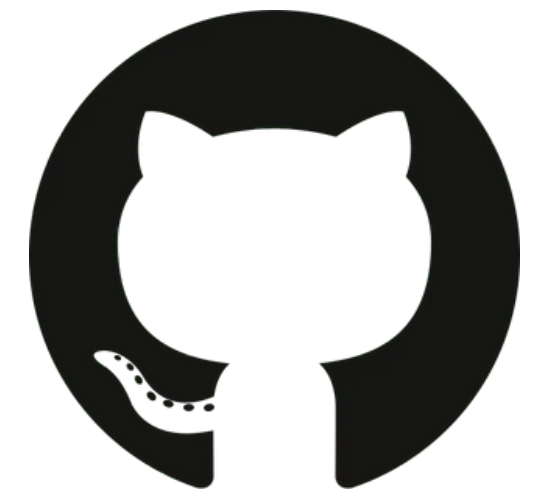
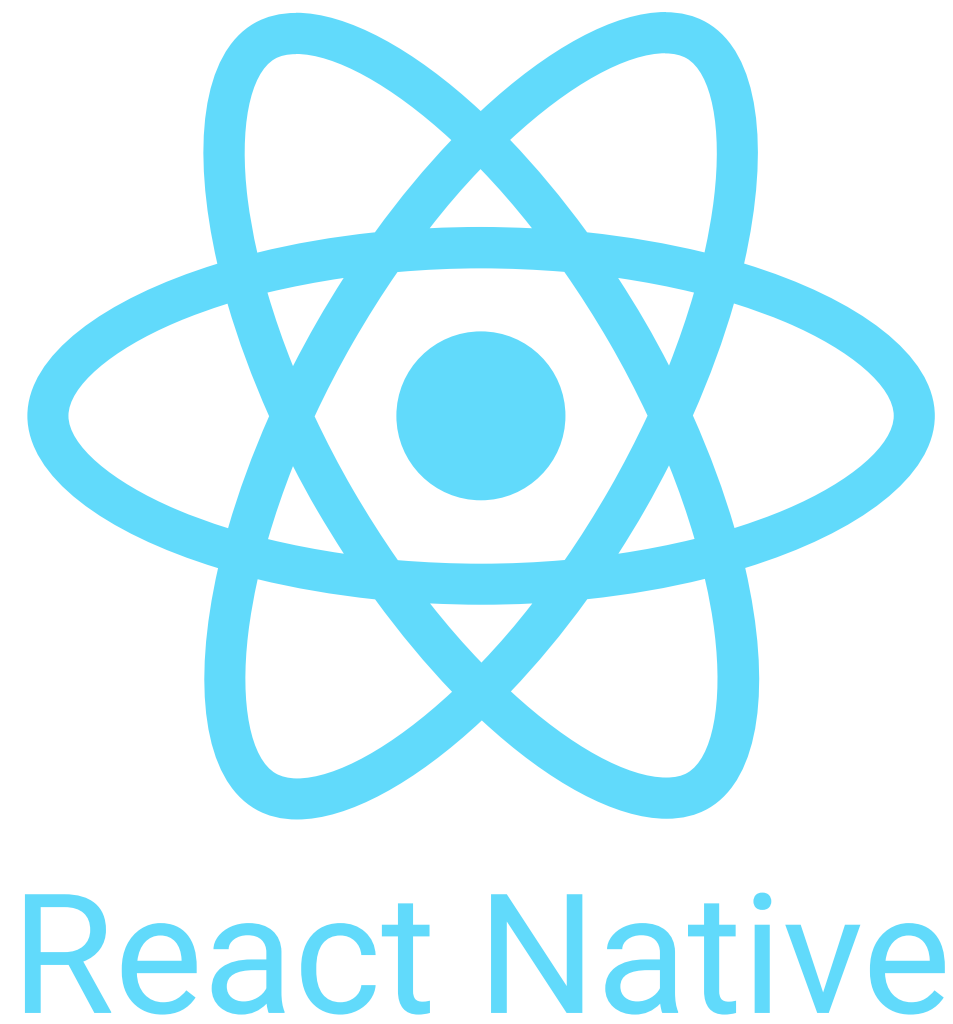
Flow Chart of Working of INVOICIFY



# SMART INDIA HACKATHON 2024

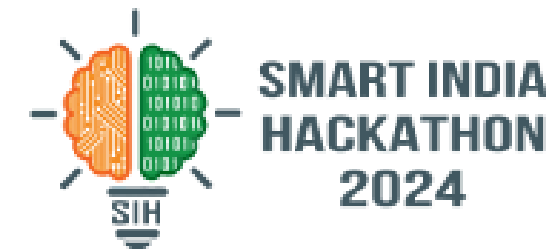


## <Tech Stack>





**USP**



## **Seamless Invoice Management**

- Automates invoice generation for various fee types, providing students with a hassle-free experience from form submission to invoice retrieval.

## **Instant Access to Invoices**

- Enables students to instantly generate, preview, download, and print invoices directly from their student portal.

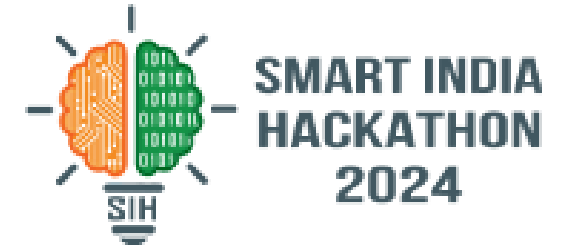
## **Comprehensive Financial Record Keeping**

- Securely stores all transaction records, offering easy access to past invoices and financial summaries





# Business Model



## **Licensing to Educational Institutions**

- License the platform to universities and colleges, offering tailored features and dedicated support for their financial management.

## **Government and NGO Grants**

- Secure educational grants to enhance the platform and expand its reach.

## **Corporate Partnerships**

- Collaborate with companies for sponsorships, branding, and internship opportunities, boosting visibility on the platform.

# SMART INDIA HACKATHON 2024



# THANK YOU

