



# Team : HackHer



## ***TEAM MEMBERS:***

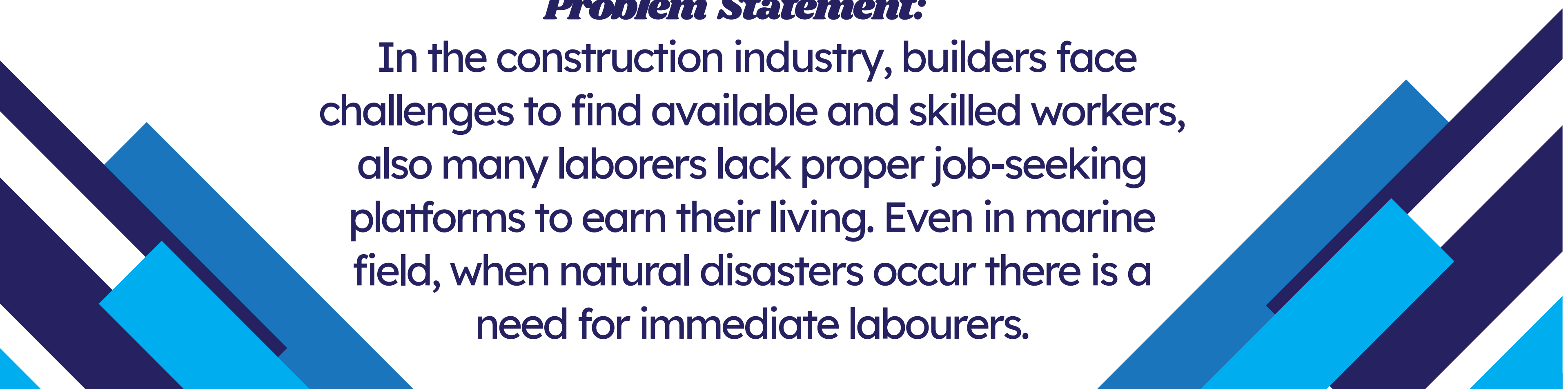
Jerusha Caroline Raj A

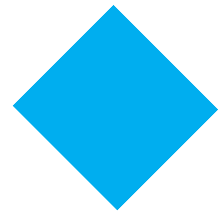
Lavanya S

Irene Janet Sathya

## ***Problem Statement:***

In the construction industry, builders face challenges to find available and skilled workers, also many laborers lack proper job-seeking platforms to earn their living. Even in marine field, when natural disasters occur there is a need for immediate labourers.





# Introduction to our solution:

- A Platform to streamline hiring in construction via automated IVR and location-based allocation.
- It notifies nearby workers when a builder post a job
- Connects workers with construction jobs in real time
- Calls or alerts workers and confirm their availability before assigning them a job.
- Prioritizes nearby workers to reduce travel time and cost .
- Allows workers to register via an app or through designated registration centres(exclusively for daily wages and have a great deal of agreement with the contractor)

# Tech Stack

## FRONTEND :( React, JavaScript, CSS)

React is used to build a dynamic, responsive user interface for mobile app. JavaScript and CSS are utilized for frontend logic and styling to ensure a smooth user experience.

## BACKEND:(Django)

Django provides a robust, Python-based framework with built-in security features for building the app's core functionality.

## DATABASE :(MySQL)

MySQL provides a structured, relational database system for handling complex queries and relationships.

## COMMUNICATION:( Twilio / WhatsApp API)

Twilio is used for sending automated voice calls and SMS notifications to non-smartphone users.

WhatsApp API is integrated for sending instant job notifications for smartphone users.

## LOCATION SERVICES Google Maps API:

Google Maps API is used to determine the geographical location of workers and job sites, enabling the app to prioritize nearby workers for job assignment



# GitHub Repository:

<https://github.com/jeru-raj/matsyanHackHer.gitt>

# YouTube:

<https://youtu.be/bRqrFdGLdYY>

# NO. OF SDG COVERED:



## DG 8 – Decent Work & Economic Growth

Expands job access, ensures fair hiring, and boosts economic stability.



## SDG 9 – Industry, Innovation & Infrastructure:

Uses technology (IVR , location-based matching) to modernize workforce hiring and efficiency.



## SDG 10 – Reduced Inequalities:

Provides equal job opportunities, including for non-smartphone users.



## SDG 12 – Responsible consumption & production:

optimizes labor allocation and reduces resource