



Syrus'23

Problem Statement: 2PS4

Team Name: Three-peat

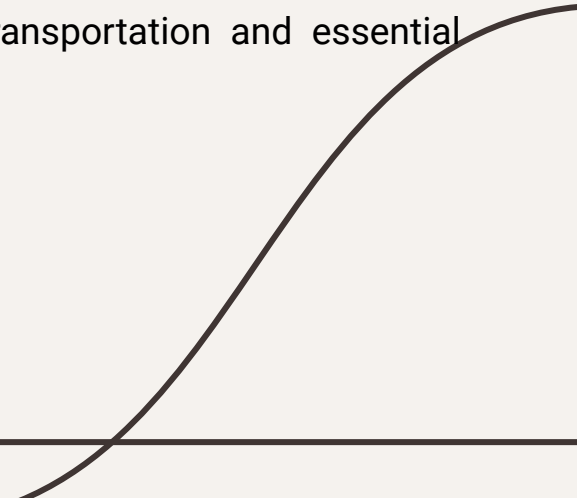
Team Leader: Aarya Lotke

Team Members: Nachiket Suryawanshi, Yash Chavan

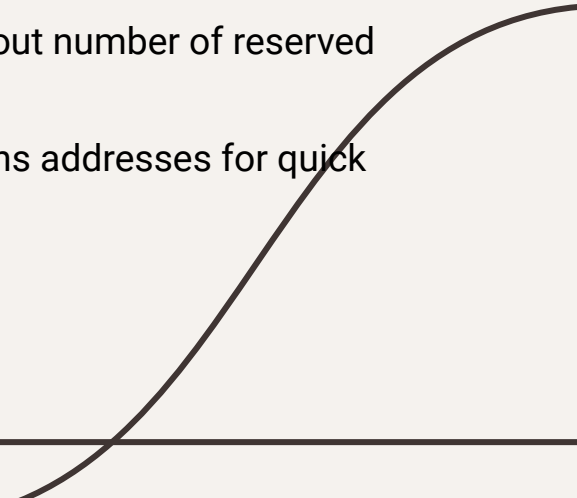
Introduction

A platform that helps people find means of public transport and essential service centers around them. This platform utilizes advanced technology to optimize suggestions based on the user's travel history.

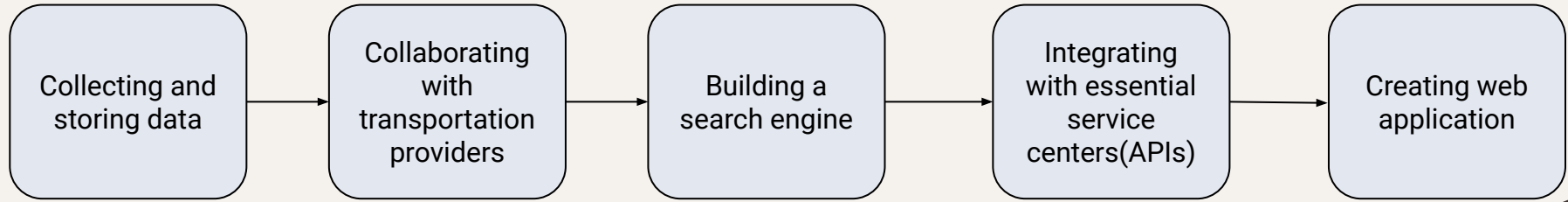
The platform provides information about nearby places to eat, buy gas, and find medicine, among other essential services. This makes it easier for people to find transportation and essential services when they need them.



Use case

1. The platform provides real-time updates on public transport availability and estimated arrival times with easy and interactive user interface.
 2. The developed platform is like a map that helps people find public transportation options, such as buses or trains, that are nearby and approved for use.
 3. It can quickly identify the user's location and suggest the nearest public transport options and service centers such as hospitals, police stations etc.
 4. Provides seating availability to the users, also provides information about number of reserved seats available for women and specially abled people.
 5. Provides user recent journey information and autocomplete destinations addresses for quick access.
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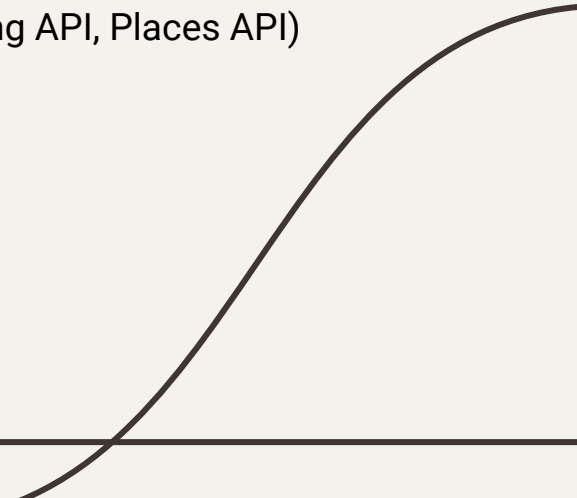
Block Diagram



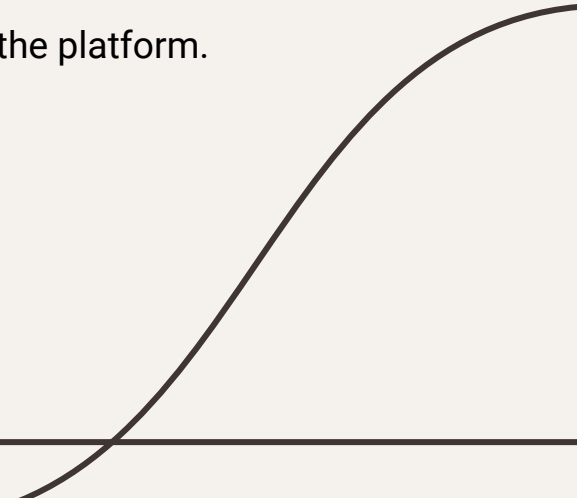
Implementation - Day 1

- Take user input for source and destination.
- Provide a user-friendly interface that enables customers to easily look for nearby crucial service providers like hospitals, restaurants, gas station etc.
- Ensures real-time updates, displays estimated time to reach the destination and accurate directions.
- Provides graphical representation of the route for better visualization.

Software used :

- Google Maps API (Direction API, Maps Javascript API, Geocoding API, Places API)
 - Django
 - HTML, CSS, JavaScript
- 

Implementation - Day 2

- End to end authentication of user.
 - Develop a database of approved public transport options in the targeted geographic area.
 - Put in place an algorithm that examines a user's past travel patterns and recommends the best public transportation options for them.
 - Provide customizable preferences for public transport options and essential service centers based on user needs and preferences.
 - Collect feedback from users to continue refining and improving the platform.
- 

Welcome to Smart Transport System

Find Your YAAN Around!!!!

Get Started



Sign In

Sign Up

Forgotten Password

Sign In

Username

yashchavan102002@gmail.com

Password

.....

☐ Show Passwords

Sign in



User Account

User Account

Profile

Sign out

User account details

Field	
Username	yashchavan102002@gmail.com (please verify)
Name	Yash Chavan
Telephone	77777089810
Address	<i>undefined Manchester Square London Greater London 400081</i>



Search

Map






Welcome User !

Start Address

Vivekanand Education Society's Institute Of Technology (VESIT), Collector Colony, Chembur, Mumbai, Maharashtra, India

Destination Address

Kurla Railway Station, SG Barve Marg, Brahmanwadi, Kurla, Mumbai, Maharashtra, India

-  **Kurla** Mumbai, Maharashtra, India
-  **Kurla Railway Station** SG Barve Marg, Brahmanwadi, Kurla, Mumbai, Maharashtra, India
-  **Kurla West** Mumbai, Maharashtra, India
-  **Kurla East** Mumbai, Maharashtra, India
-  **Kurla Terminus Road** Jagruti Nagar, Police Colony, Kurla, Mumbai, Maharashtra, India

powered by 



Search

Map

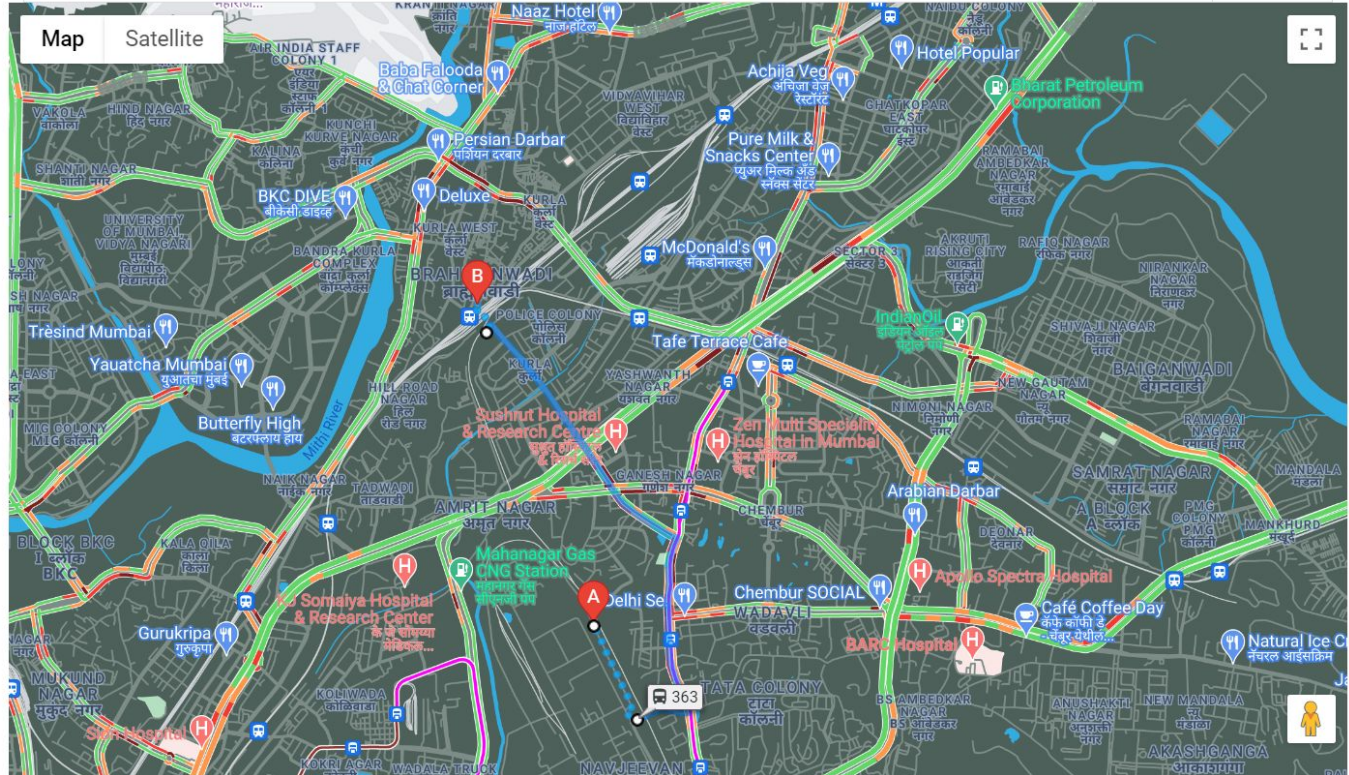
Field		
Start	Hashu Adwani Memorial Complex, Collector's Colony, Collector Colony, Chembur, Mumbai, Maharashtra 400074, India	
Destination	3V8H+GW7, Municipal Foot Over Bridge, Kurla West, Kurla, Mumbai, Maharashtra 400070, India	
Duration	25 mins	
Distance	7.8 km	
Directions	hide here	
Directions		Distance
		Duration
Head southeast Restricted usage road		0.7 km
		1 min
Turn left toward Duleep Singh Marg Restricted usage road		0.1 km
		1 min
At the roundabout, take the 1st exit onto Duleep Singh Marg		0.4 km
		1 min
Turn left onto Ramakrishna Chemburkar Marg		0.1 km
		1 min
Continue straight to stay on Ramakrishna Chemburkar Marg		0.3 km
		1 min
Continue straight to stay on Ramakrishna Chemburkar Marg Pass by Singh Saab (on the left in 900m)		2.7 km
		10 mins
Continue onto Ghatkopar - Mahul Rd		0.1 km
		1 min
Turn left		0.3 km
		1 min



Search

Map

Signle left onto Bengalura Mumbai Hwy/Mumbai Pune Hwy/Bangalore	0.0 km	2 mins
Turn left onto SG Barve Marg		
Pass by Patanjali Arogya Kendra (on the right in 450m)	0.9 km	5 mins





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Conclusion

- The platform provides route maps for public transport and optimized suggestions based on user travel history by improving accessibility and convenience for commuters.
 - This platform will not only help users reach their desired destination but also provide information about essential services such as restaurants, fuel pumps, pharmacies, etc., in their vicinity
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