UNIVERSITY CYCLING MESH

USER ANALYSIS AND PITCH

BASIC GOAL:

- ENCOURAGING CYCLING AS ACTIVITY AMONG GROWING GENERATION

- TO REDUCE PEDESTRIAN TRAFFIC IN THE UNIVERSITY

- FOR EMERGENGY COMMUTE RATHER THAN RUNNING

- PARCELLING THEIR OWN CYCLES IN AND OUT OF THE UNIVERSITY OR FROM BUYING AND SELLING CYCLE CAN BE REDUCED.

- A COST EFFICIENT MODEL TO BENEFIT BOTH THE UNIVERSITY AND ACCESSORS

LOCATION OF HUBS:

- APPROX. 15 HOTSPOTS IN THE UNIVERSITY

- EACH HOTSPOT HAS AROUND 20 CYCLES

- AFTER THE INDUCTION AND PROFITABLE FUNCTIONING OF THE HUBS; 5 ELECTRIC BIKES CAN BE ADDED TO THE RESP. HOTSPOTS

BENEFITING PARTIES:

1. **STUDENTS** - THE PROSPECTIVE USERS
2. **UNIVERSITY**- FUNDER RETURNS
3. **MECHANICS**- MAINTANENCE FEES

BENEFITS-STUDENTS:

- cost of accessing the hub is lesser than buying a cycle and transporting it to university

- saves the hustle of monitoring the maintenance of the personal cycles

- parking locations are given, can't lose the cycle
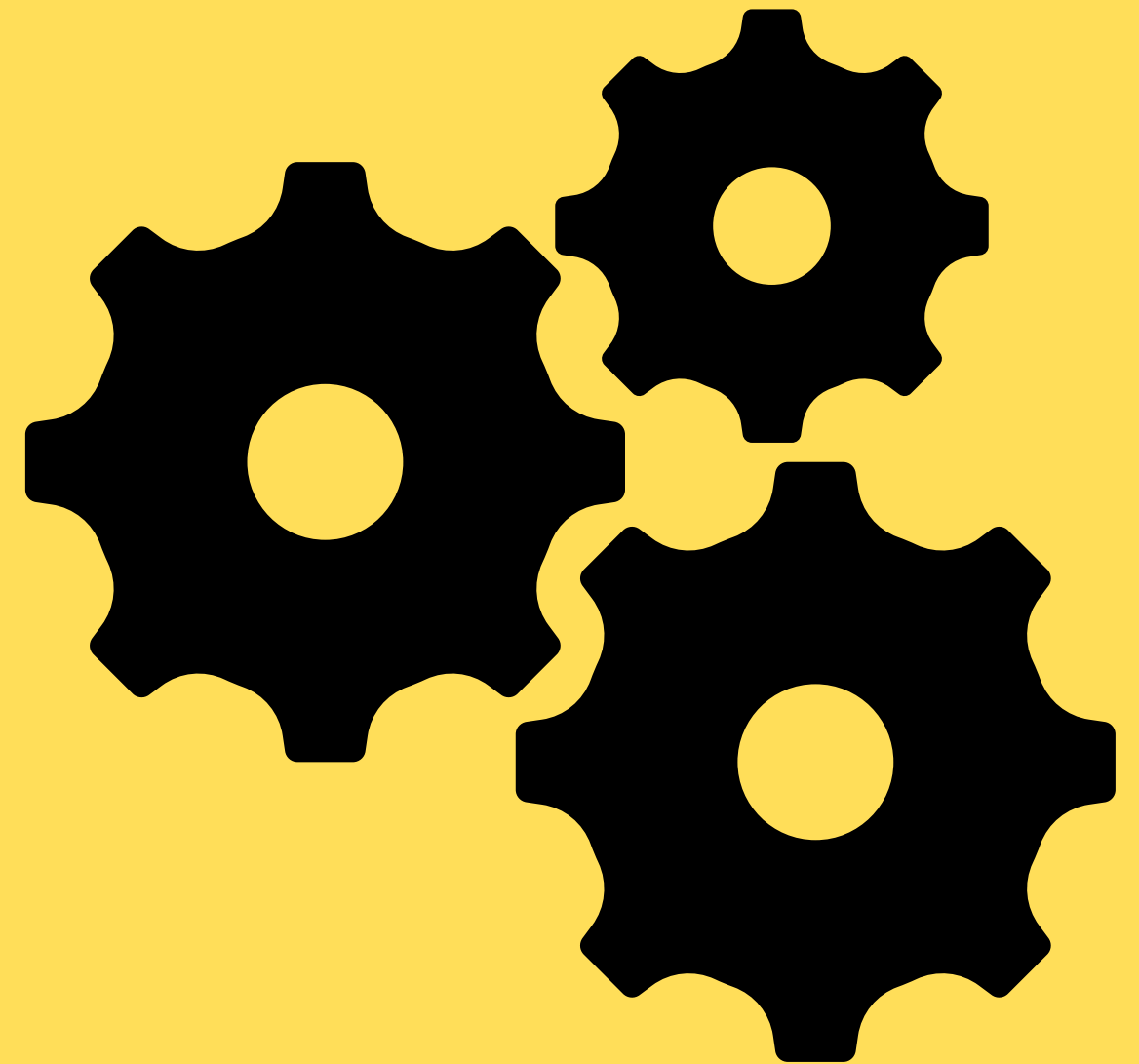
- faster commute to hotspots of the university

BENEFITS-UNIVERSITY:

- LONG-TERM STEADY INFLOW OF CASH

- FUNDER RETURNS AFTER 3 MONTHS

- ALIGNED WITH THE SD GOALS

- SELF- SUSTAINING MODULE
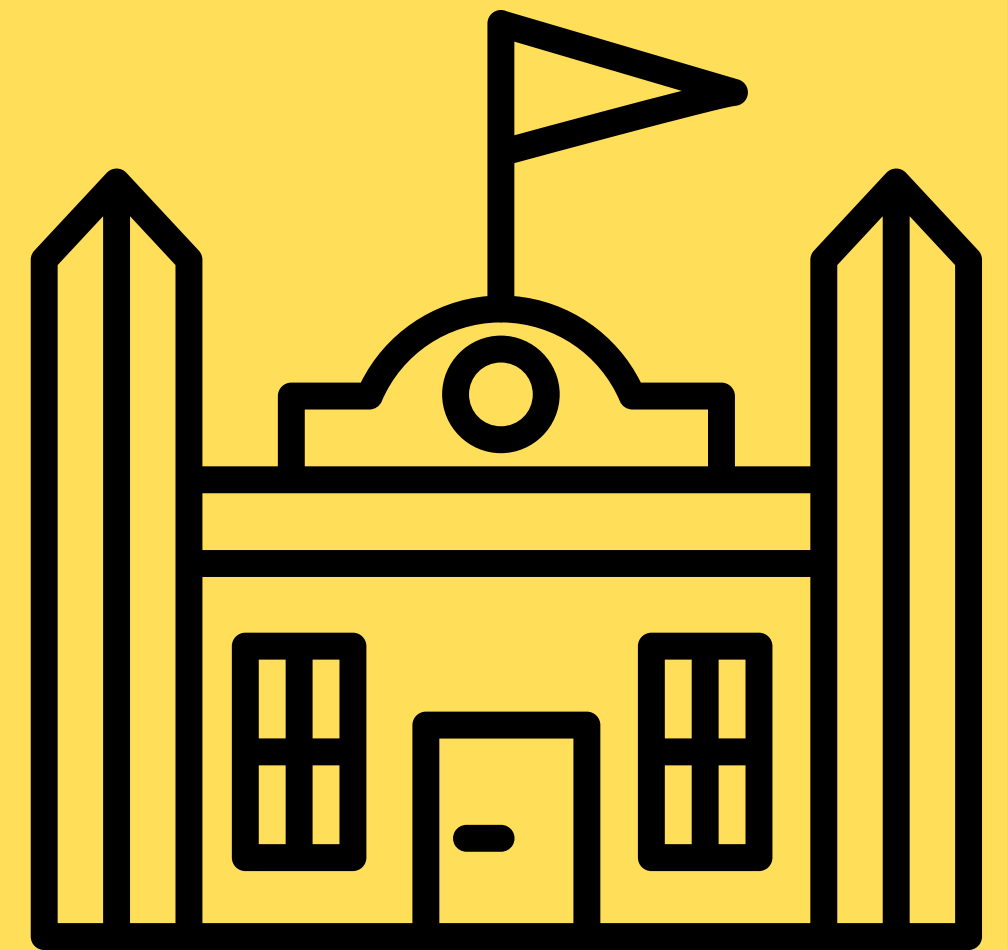
BENEFITS-MAINTAINANCE:

- Monthly Maintanence income from the hub.

- Saves a lot of time, by not being struck in workshop all day.

BACKEND:

A database of cycles status, how many are in and out at the specific moment. (for the view admin, users)

ADMIN VIEW:

1. Has the cycles unique ID, Access time in and Out
2. Last maintenance date, hotspot number for in and out
3. Name of the accessing person

USER VIEW:

1. Cycles available in the hotspots
2. That users particular usage log, with the costs

[DESIGNING AND DECIDING THE FIELD NAMES AND PRIMARY KEYS AND FOREIGN KEYS]

OBSERVATION OF SIMILAR MODELS:

- "Park and Pedal"-City of York, England.

- BrakePack-improve quality of life for cyclists, drivers, and pedestrians.

- City of Hangzhou, China made the first hour of bike share rental free to attract users.

- Copenhagen- Cities all over the world are implementing low-tech, low-investment behavioral nudges to increase ridership.

EXPANDED SCOPE FROM OBSERVATIONS:

- Bluetooth-enabled locks that made grabbing a bike as simple as clicking a button on my phone

- Future devices for bikes and cyclists include smart lights that prevent possible accidents, pedal-powered filters that clean air pollution, and cycle-based sensors that report traffic conditions

- more dividends for smart cities in the era of connected devices and data-based decision making

- Adding secure bike parking at key destination
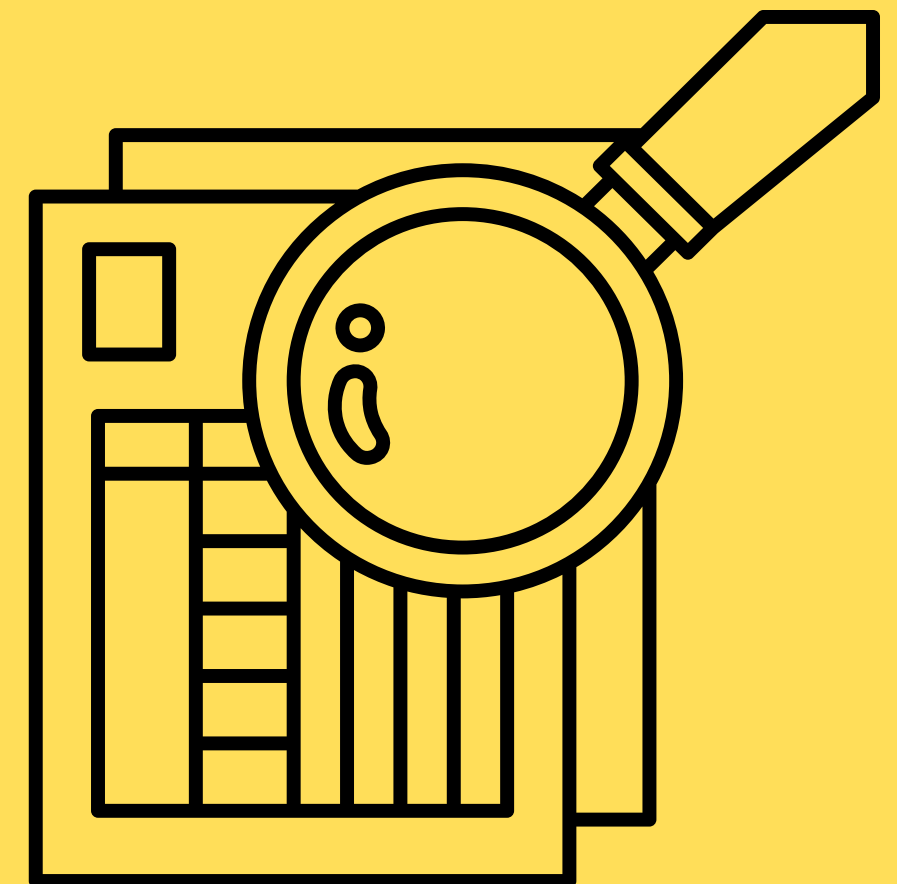
- **NEWYORK FOR HAS 12000 CYCLES.**
- **CHINESE CITIES LIKE BEIJING HAVE ABOUT 80000 DOCKLESS CYCLES IN THE CITY**
- **CHENNAI HAS AROUND 5000 CYCLES SPREAD ACROSS 380 LOCATIONS.**

COST OF CYCLE SHARE IN CHENNAI:

Subscription Type	Subscription Charges	Benefits
3 Month Pass	INR 699	Two Free Rides of 60 Minutes each per day
1 Month Pass	INR 249	Two Free Rides of 60 Minutes each per day
1 Day Pass	INR 49	Unlimited Free Rides of 60 Minutes each per day

Cycle Usage	Pay as you Go
First 60 Minutes	INR 5
Every extra 30 Minutes after the first 60 Minutes	INR 9

*GST@18% Extra

ACCESS MECHANISM GUIDE :

1
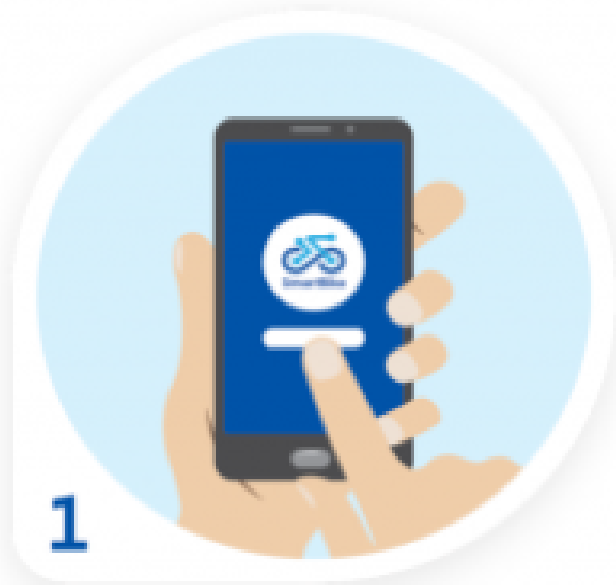
REGISTER

Register yourself after downloading the SmartBike Mobility mobile application.

2

RENT

Rent a bike easily via app: scan the QR code or enter the bike number. The frame lock opens automatically. You can use a single account to rent upto 2 bikes at a time.

3

PARK

You can park your bike without stopping the rental. Activate the park mode in your app and close the lock afterwards. Simply deactivate it again to continue your ride. The locks opens automatically. Therefore do not deactivate the park mode from afar.

4

RETURN

Return your bike at any official SmartBike station. Close the lock by pressing down the lever. Refresh your app to make sure the rental has been stopped. Check the map on the app for your nearest SmartBike station.

USER AGREEMENT:

Strict penalty is levied on the provider for any defaults or leaving cycle unattended on side walks and causing any hindrance to the public.

i.e., Reduction of from the initial insurance deposit

TO BE DECIDED:

- UI device, connectivity mode, bar code reader?
- Readpapers on embedded System, iot.. watch, etc
- Modifications to be done to the cycle and the deck
- On Focus: UI pitch later

AMRITA

🔔 19 Good morning Roshni V ⌄

Dashboard

🖥 Dashboard

👤 Students ⌄

💳 eWallet ⌄

🎫 Gate Passes ⌄

🖼 Activities ⌄

Last login: 10 Nov 2022
08:53:10 PM (10.12.52.117)

Dashboard

💳 Attention: Roshni V

- **For your fee payments, use Pay My Fees button.**

[Pay My Fees]

News

No news articles available.

Events

No events available.

AMRITA

19

Good morning Roshni V ▾

Dashboard

Dashboard

👤 Students ⌄

💳 eWallet ⌄

Account Details

🎫 Gate Passes ⌄

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- 🖥 Dashboard

- 👤 Students ⌄

- 💳 eWallet ⌄

  Account Details ›

- ▭ Gate Passes ⌄

- 🖼 Activities ⌄

You have not registered in Amrita eWallet.

Pending Passes

| 14/11/2022 | till | 14/11/2022 | on | Applied From ▾ | Filter | Show All |

Dashboard

Students ▾

eWallet ▾

Gate Passes ▾

Apply Pass

Passes List →

Activities ▾

Pending | Issued | Rejected | Cancelled | Forwarded | Used | Expired | All

Edit Columns ▾

Show [10] entries   Search: [   ]

S.No	Applied From ⇵	Applied Till ⇵	Pass Type ⇵	Warden Name ⇵	Acted On By ⇵	Advisor's Name ⇵	Advisor's Approval ⇵	Wa Ap	Action
	Applied	Applied	Pass	Warden Name	Acted On By	Advisor's	Advisor's	W	

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