TOI-LINK

'Changing the Unchanged'

Towards Social Welfare

Team Details:
Mrigesh Thakur
8580732070
Team Members- 4

THEME: *SOCIAL CAUSE*

Be it the long work trips or the itty-bitty picnic getaways, one major obstacle that we all have faced has been the absence of hygienic and proper toilets along the roads.

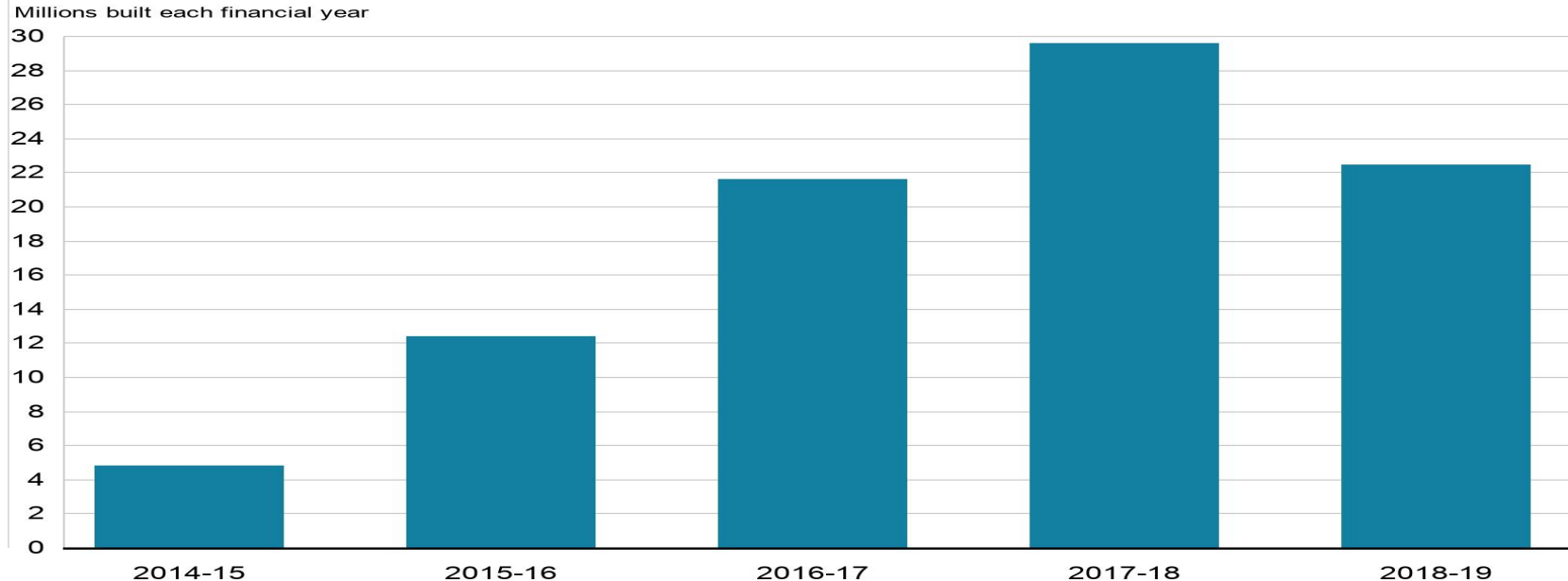Toi-Link is a step towards curbing this problem through the joint effort of the populace and the authorities.

Our website provides a means using which you can locate toilets along your away so that the journe becomes easier and enjoyable. No more glancing at a dirty public toilet and refraining from using it! Because we allow our users to provide feedback for the toilets.

Not only this, you can also add a new toilet for the benefit of the other users and help the government improve the toilet through your feedback.

Novelty of the Solution

Since the Swachh Bharat Mission Kicked off, India has spent a considerable amount of money building toilets and maintaining them. So the need arises to check whether the people are able to make the best use of this commodity or not. Toi-link gives us the opportunity to ensure this.

Toilet construction in rural India

Millions built each financial year

Financial Year	Millions built
2014-15	~5
2015-16	~12
2016-17	~21.5
2017-18	~29.5
2018-19	~22.5

BBC

Description of the Project

Problem Statement

Social Cause:
Public toilets are the ultimate solution to the problem of open defecation. Everyone needs to use them but no one wants to.
Building on this issue, our team wanted to change this perspective and provide a new public image to public toilets.

Approach to the solution

Our website includes a GPS tracker that provides us with the transit history of the user, using which the site asks the user to rate any public/ hotel/ petrol pump toilets near them and provide the necessary feedback.
This feedback, when collected from a number of users, can be further used to help the authorities make the required changes to improve the condition of these toilets.

How does Toi-Link work?
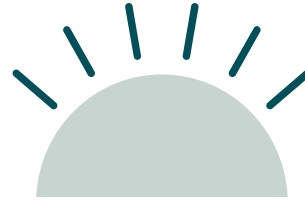
Step 1

Fetch details of user using webpage designed.

Step 2

Provide the user information about the toilets near them.

2022

Step 3

Get feedback & reviews from the user and create a system of reviews to help the future users. Give the user an option to add any new toilets that they come across in the area.
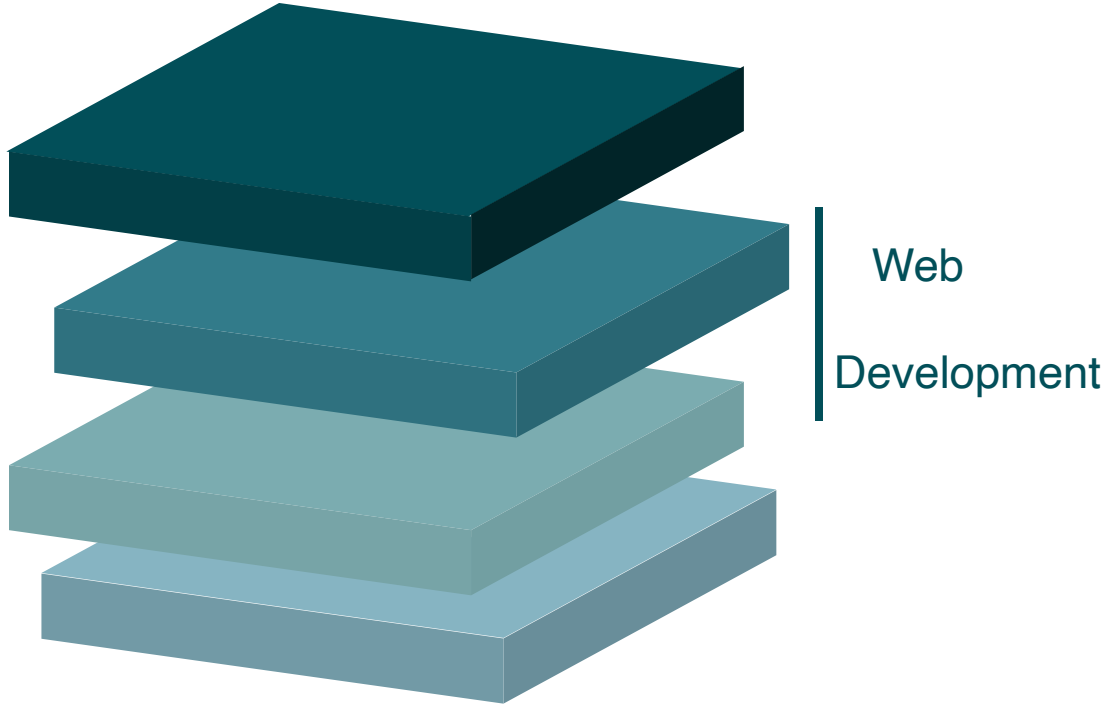
Step 4

Provide the collected information to the concerned authorities and highlight the feedback through social media so that the necessary steps to improve the condition of the toilets can be carried out.

Why Toi-Link?

- **Although websites like Google maps provide the users with location of toilets, Toi-link's advantage is that it is committed towards the cause of improving the public toilets of India.**

- **The number of reviews held by public toilets on the biggest of websites are very less.**

- **Due to the lack of user-base, these websites aren't able to help the future users identify which toilets are good, neither do they provide sufficient data to the government regarding the conditions of these toilets.**

- **Toi-Link aims to build a user-base committed towards the cause of improving public sanitation facilities of India and collaborating with the government in order to improve the general conditions of these toilets.**

Details of Technology Stack

Web

Development

An interactive webpage using blend of

NODE.JS,
EXPRESS FRAMEWORK,
MONGO ATLAS,
HTML,
CSS,
JS(Java Script) is designed.

Integrated with MAP BOX api to provide cluster maps and easy access to toilet's location .

Aspects of the Hack

01 Social Impact

Despite great efforts from the govt, public toilets continue to be considered a taboo among the people due to their lack of cleanliness and absence of proper water supply. Our project aims to change that perception.

Financial Impact 02

In 2021, the govt spent 9994 crores on rural and 2300 crores on urban areas under the Swachh Bharat Mission. Toi-Link will help the authorities narrow down the problems in the maintenance of public toilets so that the money spent on building them doesn't go to waste.

03 Long-Term Impact

This project will help change the stigma built around public toilets and encourage people to use them, thus curbing the problem of open-defecation.

About Team

01

Mrigesh Thakur

Team Lead

02

Yachana Arora

Team Member

03

Armaan Shukla

Team Member

04

Arushi Guleria

Team Member