

# PROBLEM STATEMENT

The Challenges Faced by Individuals Due  
to Poor Restroom Hygiene

- Public restrooms in India are often unsanitary and unsafe, posing a significant challenge for individuals who need to use them.
- Spread of diseases and infections, and can pose a particular risk for women due to the lack of privacy and security.
- Individuals with medical conditions, such as Crohn's disease or irritable bowel syndrome, may require access to cleaner and more private facilities.
- Many public restrooms in India are not designed with these needs in mind, leaving individuals with limited options and no easy way to find the cleanest and safest facilities.
- The taboo and stigma associated with public restrooms makes it difficult for individuals to speak up or take action to improve the situation.

# Our TEAM

National Institute of  
Technology, Hamirpur, India



Aviraj Singh Gour



Akanksha Sharma



Mrigesh Thakur



Arpan Gupta



Your go-to guide for clean and safe facilities!



# TECH USED

- **Node.js:**Toi-Link also utilizes Node.js, an open-source JavaScript runtime environment, to power its backend server and handle user requests. It also enables seamless integration with other web technologies, such as Firebase and Google Maps, to provide a fast and responsive user experience.
- **Google Maps:**Toi-Link leverages the power of Google Maps to help individuals locate the nearest public restrooms and provide real-time information on their availability and cleanliness.
- **Firebase:**The platform also utilizes Firebase, Google's mobile and web app development platform, to store and manage user data and feedback securely.



# Aligning with **SDGS**

Making a Positive Impact on Society and the Environment



**Goal 3: Good Health and Well-being**



**Goal 5: Gender Equality**



**Goal 6: Clean Water and Sanitation**



**Goal 11: Sustainable Cities and Communities**

# WHO CAN BENEFIT FROM TOI- LINK?

Toi-Link aims to improve the restroom experience for individuals of all backgrounds and needs, while supporting the efforts of municipalities and local authorities in managing public restrooms.

## Individuals

- Tourists
- Commuters
- Women
- Individuals with medical conditions
- Parents with young children
- People with disabilities

## Municipalities and Local Authorities

- Receive user feedback to improve cleanliness and accessibility
- Optimize maintenance and cleaning based on usage patterns and demand

The logo for TOI LINK. It features a large teal circle on the left containing the letters 'TOI' in a black outline font. To the right of the circle, the word 'LINK' is written in a solid green, bold, sans-serif font.

# TOI LINK

A review system for public toilets in India

- improve accessibility and quality of public restrooms
- municipalities to make informed policy and infrastructure decisions
- potential to scale across India and other countries facing similar problems
- improve overall quality of life and promote greater equality and inclusivity
- support evidence based policy that can have lasting impact on public health and well-being