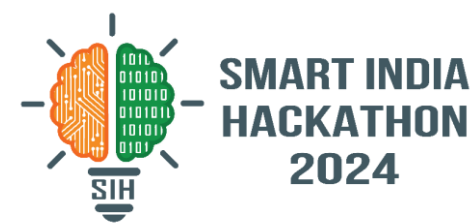
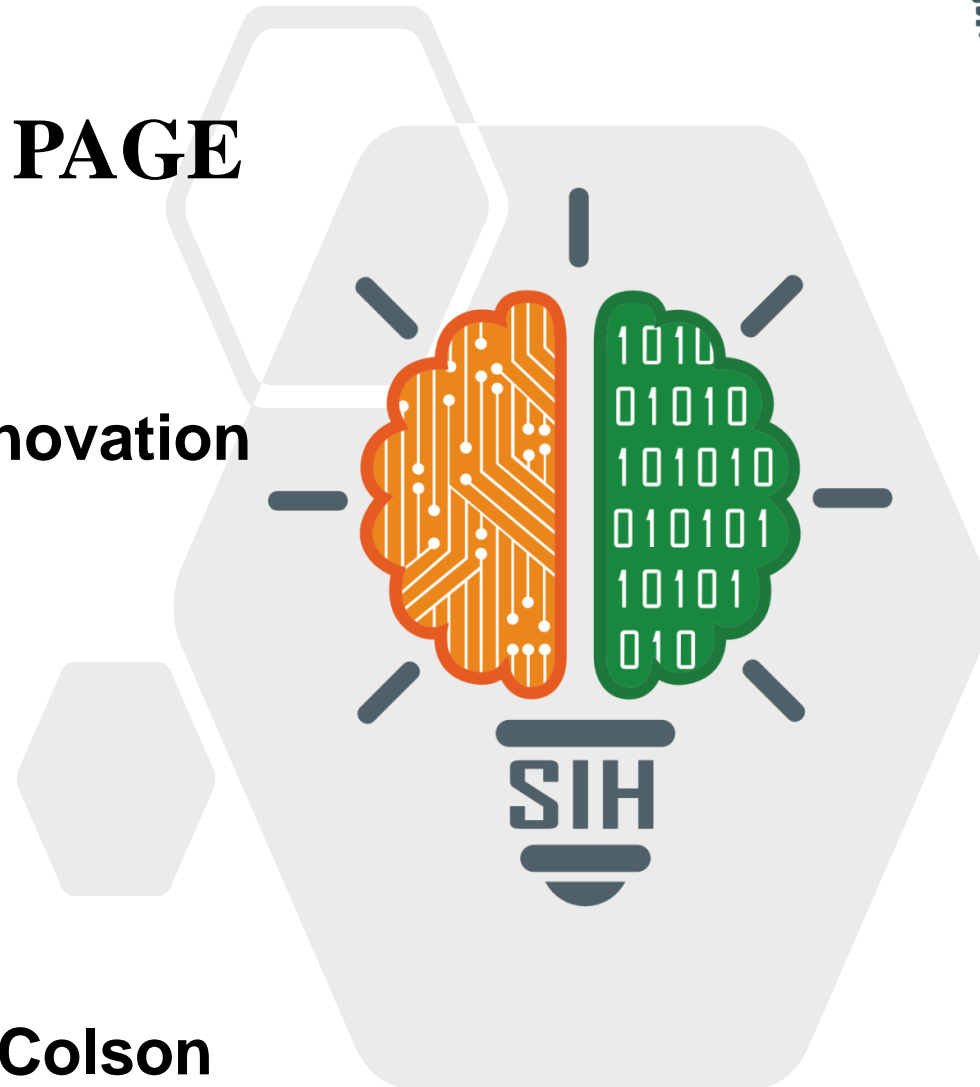


SMART INDIA HACKATHON 2024



TITLE PAGE

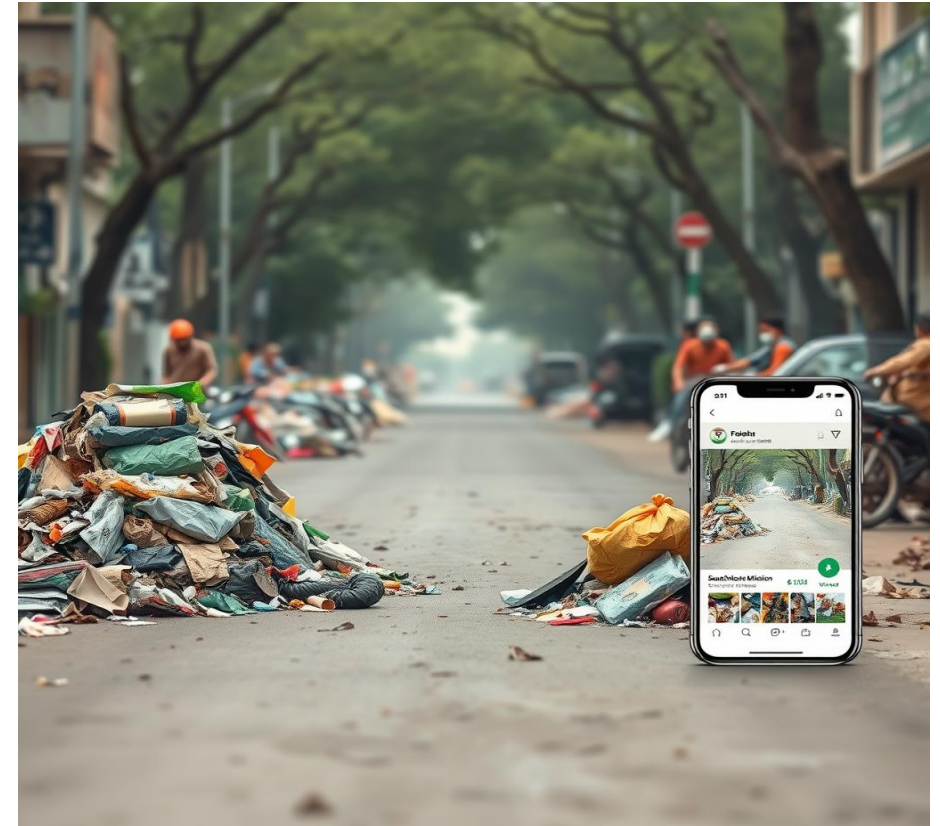
- **Problem Statement ID –1592**
- **Problem Statement Title- Student Innovation**
- **Theme-Clean & Green Technology**
- **PS Category- Software**
- **Team ID-39423**
- **Team Name (Registered on portal) - Colson**



ECOSWEEP

❖ Proposed Solution :

- To Create a mobile application or a web-based portal that allows users to capture and upload photos of garbage (type of waste, urgency, etc.) on the lanes or streets.
- The app will automatically send the captured image along with relevant data to the nearest municipal office for action.
- It offers an easy-to-use platform and provides simplified solution for the public
- It also reduces the harmful effects (odour and bad smell) on human and environment
- Based on the user's location, the app automatically route the report to the nearest municipal office for action. An optional description field where users can provide additional details.



- Technologies to be used :
 - Use of Hypertext Markup Language(**HTML**), Cascading Style Sheet(**CSS**), Bootstrap, AWS
 - <https://ecosweep-bbmp.s3.ap-south-1.amazonaws.com/ecosweep.html>

Check with the above website as Frontend Prototype Successfully published.

❖ Feasibility Factors:

1. Technological Feasibility
2. Financial Feasibility
3. Public Adoption
4. Organizational & Municipal

❖ Challenges and Considerations:

1. Social and Cultural Challenges
2. Financial Challenges

❖ Ways to overcome the challenges:

1. Public Awareness Campaigns
2. Workshops and Training
3. Public-Private Partnerships
4. Government Grants and Funding



❖ Potential Impacts:

1. Improved Health and Hygiene
2. Enhanced Accountability
3. Improved Public Perception
4. Long-Term Environmental Awareness

❖ Benefits

1. Reduced Littering and Pollution
2. Increased Civic Participation
3. Attractiveness for Tourism and Business
4. Efficient Use of Resources



❖ Details / Links of the reference and research work:

- <https://bbmp.gov.in/home>
- <https://www.quora.com/What-are-some-effective-ways-for-people-in-India-to-keep-their-cities-towns-or-villages-clean>
- https://www.pmindia.gov.in/en/major_initiatives/swachh-bharat-abhiyan/