



03 Oct 2023 to 15 Apr 2024

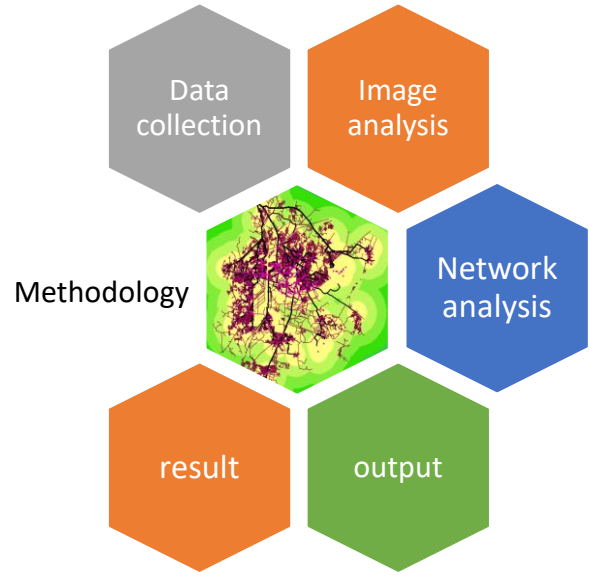
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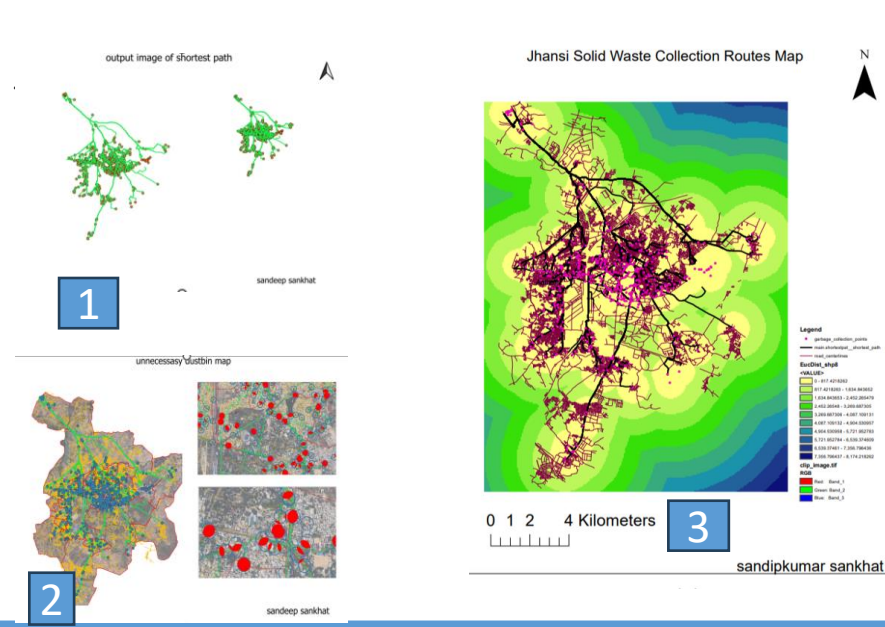
MAJOR OBJECTIVES:

SMART CITY JHANSI aims to design solid waste collection routes that maximize efficiency, minimize costs, and reduce environmental impact through data-driven planning and technology integration. By optimizing routes, the city seeks to ensure timely waste collection, promote public health, and enhance overall urban cleanliness for a sustainable and livable environment.

METHODOLOGY FLOW CHART:



RESULTS/MAJOR FINDINGS:



- 1) image 1 shows the shortest path of smart city Jhansi
- 2) image 2 shows the unnecessary dustbins where I found unnecessary 273 dustbins at a same place
- 3) image 3 shows the suggested position of a dustbins at a equal area which helps to reduce the dust level

CONCLUSION: One of the key advantages of the smart waste collection system is its ability to optimize routes based on real-time data, resulting in reduced fuel consumption, minimized operational costs, and decreased environmental impact. Moreover, the enhanced visibility into waste generation patterns enables authorities to allocate resources more strategically, ensuring timely collection and disposal of waste while mitigating the risk of overflows and environmental hazards