

Baderia Global Institute of Engineering and  
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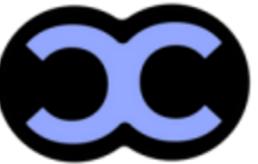


# BrahmaX 1.0

The Creation of Tomorrow

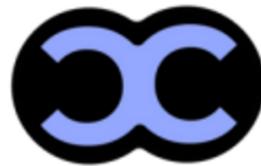
BrahmaX 1.0

[www.codecrax.com](http://www.codecrax.com)



## Profile Overview

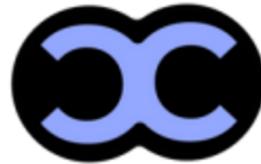
- **Theme** - Green Tech
- **Problem Statement Title**- Solid and E-waste management and recycling innovations
- **Team ID** - (As per Unstop registration)
- **Team Name** - Elite



## Proposed Solution (Describe your Idea/Solution/Prototype)

- **Solution Overview:** Our system manages waste from collection to disposal, making the process smooth and organized.
- It tracks waste in real-time, records every step, and shares useful info with recycling companies.
- Reduces pollution and helps companies save money by planning better and using resources wisely.
- **Problem solving:** We propose a idea to provide a solution for waste management companies to manage waste effectively and reduce environmental hazards. From pickup to transportation to final disposal, the system features advanced tools for tracking these operations, recording every process, and managing them effortlessly. Our software will handle all the data precisely and will use the data to give availability of waste to recycling industries.

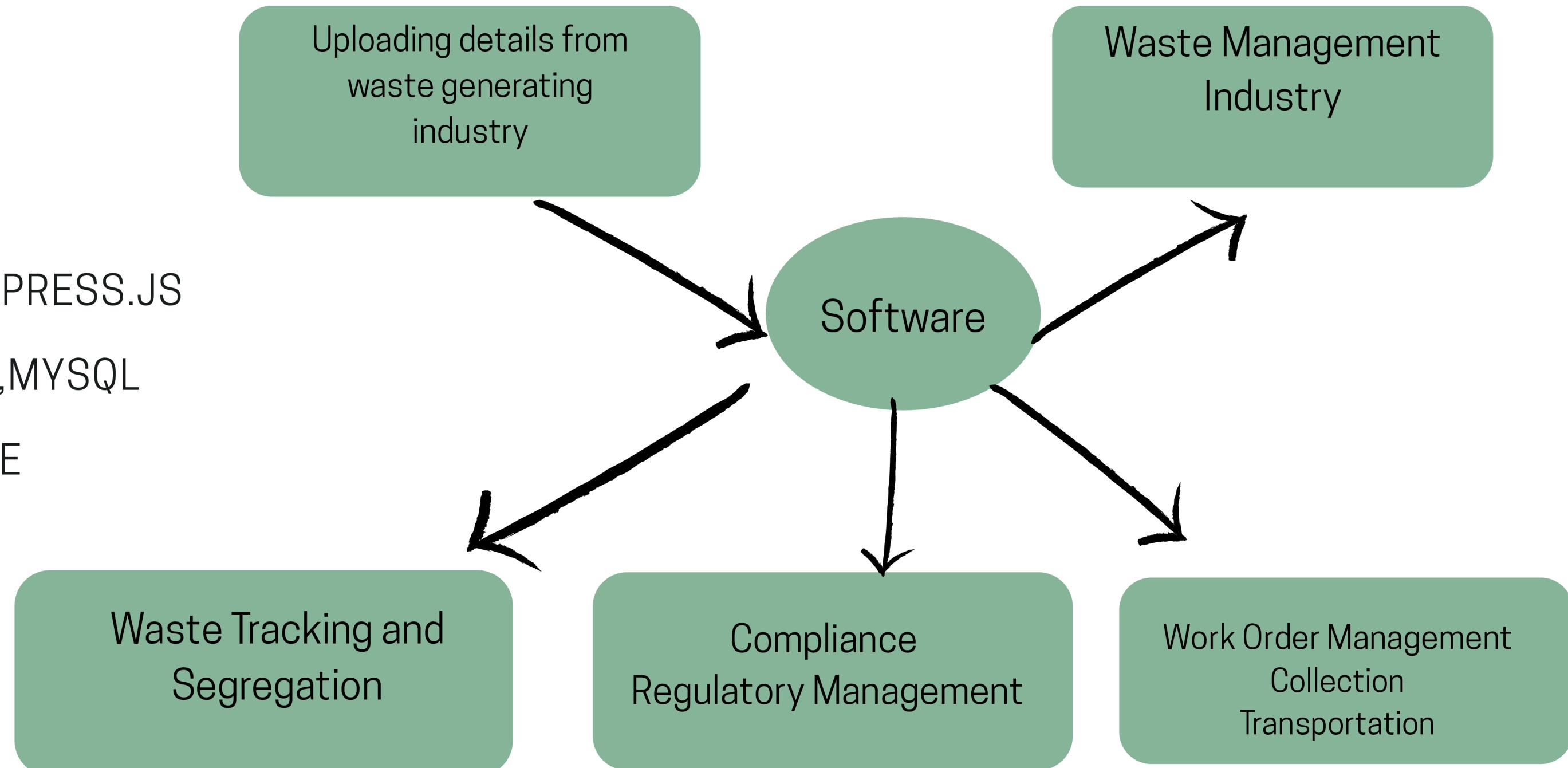
Idea submission-  
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## Technology Used:

- JAVA
- JAVASCRIPT
- For frontend REACT.JS
- for backend NODE.JS,EXPRESS.JS
- For database MONGODB,MYSQL
- ARTIFICIAL INTELLIGENCE

## Process Flowchart



## FEASIBILITY AND VIABILITY

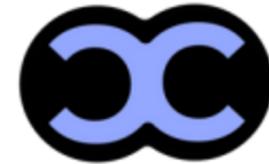
### Feasibility

- Easy to build with current tech.
- Can work with existing systems.
- Suitable for small and large companies.

### Challenges and Risk

- Missing or wrong data.
- Poor internet in some areas.
- Users may not want to change old methods.

# **IMPACT AND BENEFITS**



## **Target Audience Impact**

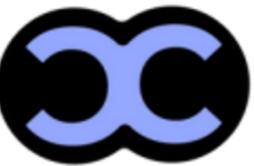
The solution benefits waste management companies, recycling industries, and local communities. It simplifies and improves the entire waste handling process, making it more efficient, organized, and environmentally friendly. This leads to cleaner surroundings and better service for everyone involved.

## **Key Benefits**

Socially, the system promotes cleaner environments and healthier communities. Economically, it helps companies save money by improving planning and resource use. Environmentally, it reduces pollution and supports recycling efforts, making waste management more sustainable.

## **Long Term Value**

The solution is scalable and can grow with increasing users and industries. It has strong future potential to become a standard system for waste handling, supporting cleaner cities and smarter waste practices in the long run.



## **REFERENCES**

- It keeps track of all steps like collection, transport, and disposal.

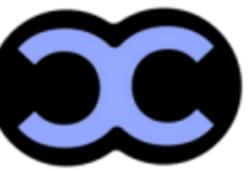
[https://www.researchgate.net/publication/349075036\\_Waste\\_Management\\_Systems\\_Software\\_Solutions](https://www.researchgate.net/publication/349075036_Waste_Management_Systems_Software_Solutions)

- It is used to make waste handling smarter, faster, and more eco-friendly.

<https://www.sciencedirect.com/science/article/pii/S0956053X23005573>

- Reviews the latest tools used in waste systems, like tracking apps and recycling tech, and how they help the planet.

<https://www.mdpi.com/2076-3417/13/15/8847>



# IMPORTANT INSTRUCTIONS

**Please ensure below pointers are met while submitting the Idea PPT:**

1. Kindly **keep the maximum slides limit up to six (7).** (Including the title slide)
2. **Try to avoid paragraphs and post your idea in points /diagrams / Infographics /pictures**
3. **Keep your explanation precise and easy to understand.**
4. **Idea should be unique and novel.**
5. **You can only use provided template for making the PPT without changing the idea details pointers (mentioned in previous slides).**
6. **You need to save the file in PDF and upload the same on portal. No PPT, Word Doc or any other format will be supported.**

**Note - You can delete this slide (Important Pointers) when you upload the details of your**