Greenify Website Project Document

Slogan: "Turning Trash into Tomorrow."

# 1. INTRODUCTION

Greenify is an eco-entrepreneurial organization committed to building a greener, cleaner future by transforming waste into valuable resources. Our slogan, “Turning Trash into Tomorrow,” captures our essence: innovation, sustainability, and community empowerment.  
  
This document outlines the design, development, and maintenance requirements for a dynamic website that will serve as Greenify’s digital identity and operational hub.

# 2. ORGANIZATION OVERVIEW

Our Mission:  
To reduce environmental impact by promoting sustainable waste management solutions through education, innovation, and circular economy practices.  
  
Key Activities:  
- Waste collection & recycling programs  
- Upcycling workshops  
- E-waste & plastic waste management  
- Community education campaigns  
- Partnering with municipalities and schools

# 3. PROJECT GOALS

- Educational Impact: Raise awareness about recycling and sustainable practices.  
- Operational Utility: Serve as a hub for waste collection scheduling, volunteer registration, and product catalogues.  
- Community Engagement: Promote events, initiatives, and stories from changemakers.  
- Transparency & Trust: Share measurable impact, financial transparency, and milestones.  
- Scalability: Be equipped to grow with future services like e-commerce, volunteer portals, and donation drives.

# 4. WEBSITE REQUIREMENTS

## Front-End (Client-Side)

- User-Friendly Design  
- Interactive Dashboard  
- Storytelling Blocks  
- Content Highlights  
- Forms for user input  
- Multilingual Support  
- Accessibility Features

## Back-End (Server-Side)

- CMS with Role Management  
- Secure Login and Encryption  
- Backup & Restore  
- Analytics Dashboard  
- Form Builder

# 5. CONTENT STRATEGY

- Homepage: Vision, campaigns, calls to action  
- About Us: Mission, team, timeline, impact  
- Projects: Ongoing and completed  
- Shop: Recycled products (future)  
- Get Involved: Volunteer, partner, donate  
- Knowledge Hub: Blog, resources  
- Contact: Forms and maps

# 6. DEVELOPMENT METHODOLOGY

- Agile Prototyping  
- Tech Stack: React.js / Next.js, Node.js, MongoDB / PostgreSQL  
- PWA Capabilities  
- Integrations: Razorpay, Google Maps, Mailchimp

# 7. SUPPORT & MAINTENANCE

- 3-year post-launch support  
- Content and security updates  
- Dedicated on-call technical manager  
- 24-hour response for critical issues

# 8. INTELLECTUAL PROPERTY & SECURITY

- Greenify owns all content and code  
- No third-party branding  
- Compliance with data privacy laws  
- Documentation and training included

# 9. ANNEXURE: SUGGESTED SITEMAP

- Homepage  
- About Us  
- Projects  
- Shop (Future)  
- Get Involved  
- Resources  
- Events  
- Contact Us  
- Login Portal

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# 10. CONCLUSION

This documentation outlines the foundational vision, structural expectations, technical requirements, and developmental roadmap for Greenify’s digital presence. By creating a highly accessible, scalable, and secure website, Greenify will not only extend its impact across communities but also foster a digital ecosystem that reflects its environmental mission. This is more than a website—it's a movement to transform waste into opportunity.

# 11. PROJECT TEAM STRUCTURE

**Team Leader:** Responsible for overall project vision, strategy, and delivery oversight. Ensures coordination among all stakeholders and manages top-level decisions.

**Lead Developer:** Leads the technical development team, defines coding standards, and ensures scalable, efficient architecture.

**UI/UX Designer:** Designs the layout, navigation, and interactive elements to ensure an intuitive and aesthetically appealing user experience.

**Front-End Developer:** Implements the visual and interactive components using HTML, CSS, JavaScript, and frameworks like React.js.

**Back-End Developer:** Manages server-side logic, APIs, database integration, and application security.

**Content Manager:** Coordinates all content-related materials including blogs, project descriptions, and product listings.

**QA Engineer:** Ensures that the website meets quality standards through rigorous testing and debugging.

**Support & Maintenance Coordinator:** Handles ongoing maintenance tasks and provides technical support after deployment.

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# IGNIS CODE

1)



NAME: Nishitha T.S

Designation: Team leader  
 ▪ Designer

▪ Creative Thinker

2)



NAME: A Jeffry D’souza

Designation: Back End Developer

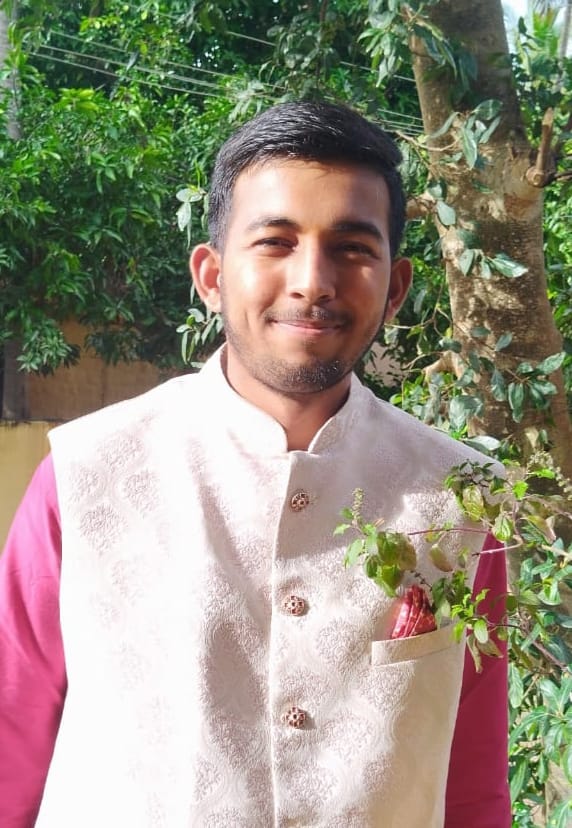
3)



NAME: Dhanushri. G

Designation: Front End Developer

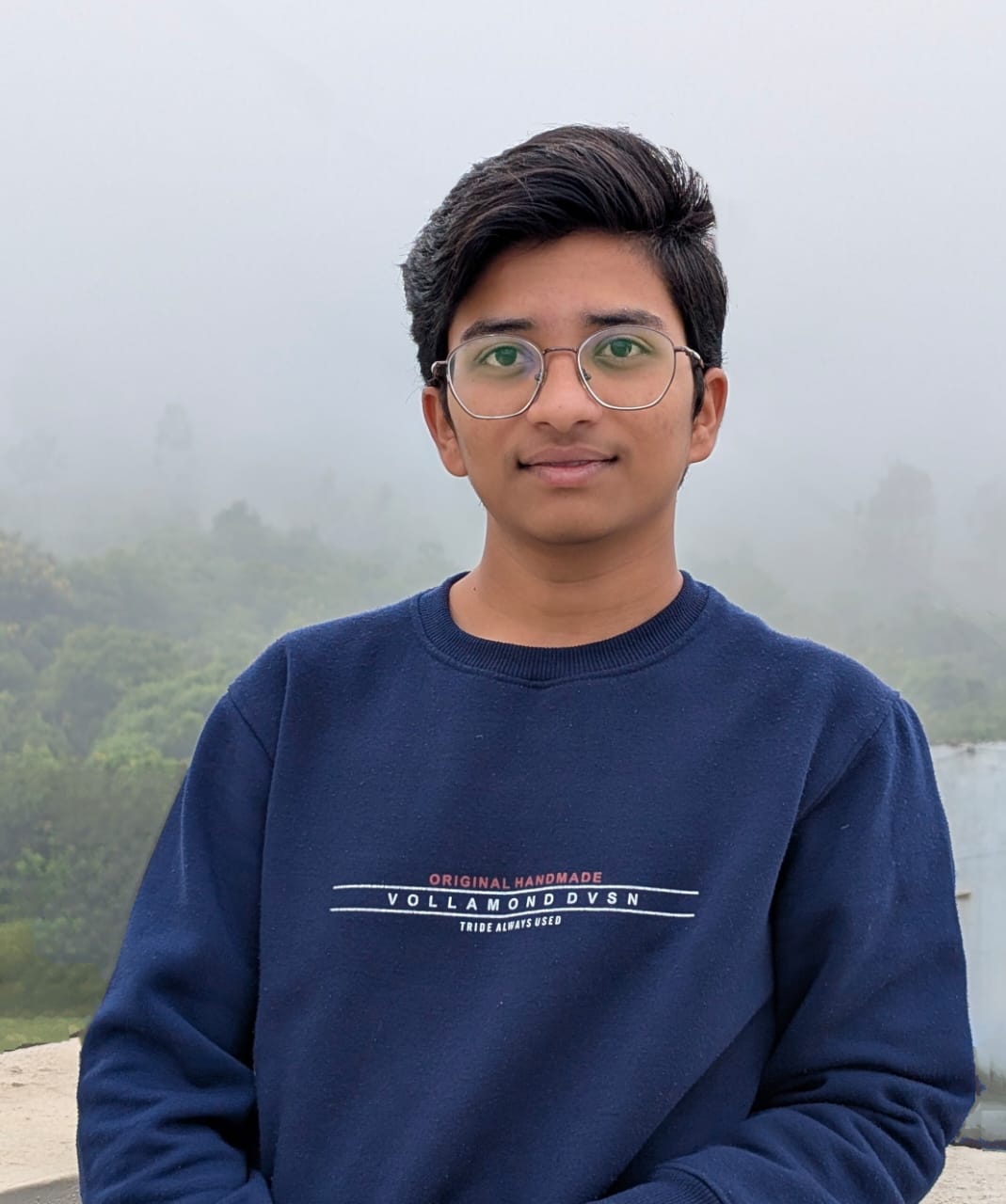
4)



NAME: Chinmay B.H

Designation: Product Designer

5)



NAME: G Rakesh Reddy

Designation: Graphical Designer

Poster’s link : <https://drive.google.com/file/d/1OHXRu_-17EwXEPYfGsDYKpR9vnJTRR0P/view?usp=drivesdk>  
  
Reference Links:

🎯 Quantum Mode Toggle - Switch between regular and futuristic scanner(2%)

📊 Real-time HUD - Progress bars, counters, system status(3%)

🔍 Live Detection Zones - Glowing boxes around detected waste(5%)

🎵 Futuristic Sound Effects - Scan beeps, detection alerts(3%)

🎨 Holographic UI - Glowing elements, scanning animations(2%)

🎭 Immersive Visuals - Scan lines, corner brackets, target ring(4%)

# Phases

### Phase 1 Analysis:

"We began by analyzing the core problem and identifying the environmental challenges related to waste management."  
  
Phase 2 Design:

"Once the problem was defined, we designed a structured solution, including system architecture, user interface sketches, and a clear development roadmap."

### ****Phase 3: Development:****

"Our development team translated the designs into functional code, building both the frontend and backend of the application."

### ****Phase 4: Implementation:****

"The developed components were then integrated and implemented in a test environment to verify performance and fix any issues."

### ****Phase 5: Execution:****

"After testing, we executed the final version of the project, making it fully functional and ready for real-world usage."

### ****Phase 6: Presentation****

"Finally, we created a dynamic presentation to showcase our solution’s impact, features, and potential to address real-life problems."

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