



The banner features a dark red background with a subtle geometric pattern. At the top left, there are logos for IIM Shillong and EcoBiz. At the top right, the KHLURTHMA 13.0 logo is displayed, with the text 'THE ANNUAL MANAGEMENT FEST' below it. In the center, the 'ecovision' logo is prominent, with the tagline 'REDEFINING SUSTAINABILITY' and 'QUIZ | PITCH SUBMISSION' underneath. Below this, the dates '02 February 2025 - 26 February 2025' are shown. At the bottom right, a trophy icon is accompanied by the text 'PRIZES WORTH XXXX'. The bottom of the banner contains contact information for queries.

IIM SHILLONG | **EcoBiz**

KHLURTHMA 13.0
THE ANNUAL MANAGEMENT FEST

ecovision
REDEFINING SUSTAINABILITY
QUIZ | PITCH SUBMISSION

02 February 2025 - 26 February 2025

PRIZES WORTH XXXX

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CASE SUBMISSION ROUND

Company Overview

NatureFirst Innovations is a mid-sized **environmental services** company based in India, founded in 2010. The company operates across 10 states, focusing on waste management, recycling, and sustainability consulting. With a workforce of 500 employees, NatureFirst collaborates with urban municipalities, educational institutions, and corporate clients to promote sustainable practices.

India's growing urbanization and environmental challenges, such as poor waste management, air pollution, and resource scarcity, present unique opportunities for NatureFirst. The leadership recognizes the potential of leveraging **AI and technology** to address these issues effectively and sustainably.

Revenue Model

NatureFirst Innovations generates revenue through the following streams:

1. **Municipal Contracts** (40% of revenue):

- Partnering with urban local bodies for waste collection, processing, and landfill management
- NatureFirst charges a service fee based on the volume of waste managed and the efficiency of operations

2. **Recycling Services** (25% of revenue):

- Selling processed recyclable materials (plastics, metals, and paper) to manufacturing units and recycling plants
- Revenue includes the sale of upcycled materials, such as paver blocks made from plastic waste

3. **Corporate Sustainability Consulting** (20% of revenue):

- Providing advisory services to corporates for reducing their carbon footprint, waste management strategies, and sustainability certifications
- This includes services such as waste audits, ESG reporting, and sustainability workshops

4. **Carbon Credit Sales** (10% of revenue):

- Partnering with companies to help offset their carbon emissions through reforestation projects, renewable energy investments, and carbon credit packages

5. **Educational Programs and Training** (5% of revenue):

- Organizing paid workshops, training sessions, and internship programs on environmental sustainability for schools, universities, and corporates
 - Includes the EcoTech Internship Program, where fees are charged for specific training modules
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Current CSR Initiatives

1. Waste Management Awareness Campaign: "**Kachra Se Kasht-Mukt**"

- **Details:** NatureFirst runs a campaign to educate citizens about waste segregation at the household level, the dangers of landfills, and the benefits of composting and recycling
 - Outreach includes partnerships with 500 schools, urban local bodies, and non-profits across Tier 1 and Tier 2 cities
 - Methods include awareness drives, community workshops, and online social media campaigns in regional languages
 - Current challenge: Tracking the behavior change among urban and rural participants and ensuring long-term engagement

2. Carbon Offset and Renewable Energy Projects

- **Details:** NatureFirst supports renewable energy projects like rooftop solar panels and biogas plants for rural households. Additionally, it funds reforestation programs in drought-prone areas
 - Impact: Offset 500,000 tons of CO₂ annually, benefitting over 100 villages
 - Current challenge: Tracking the effectiveness of carbon offset programs and building trust with rural communities

3. EcoTech Internship Program

- **Details:** NatureFirst partners with 50 universities across India to offer internships focusing on environmental technology and green solutions. Interns work on local projects such as improving waste collection logistics and monitoring air quality
 - Over 500 students have participated in the past three years
 - Current challenge: Limited digital tools to scale the program and track the interns' contributions systematically

4. Plastic Waste Upcycling Initiative

- **Details:** A pilot project in Maharashtra converts plastic waste collected from urban areas into construction materials like paver blocks
 - Processes 10 tons of plastic waste monthly, generating ₹2 crore annually in revenue
 - Current challenge: High costs and technical hurdles in scaling the project to other states

5. Employee Volunteer Program

- **Details:** Employees engage in activities such as:
 - Tree plantation drives in degraded urban areas (20,000 trees planted annually)
 - Participating in Swachh Bharat Abhiyan initiatives and cleanliness drives
 - Current challenge: Tracking and measuring the environmental impact of these activities

6. Green Transportation Initiative

- **Details:** NatureFirst has electrified 40% of its fleet, primarily used for waste collection, and installed EV charging stations in 10 cities
 - Promotes carpooling for its workforce using a mobile app, with 50% employee adoption
 - Current challenge: Optimizing routes for EVs and scaling charging infrastructure to rural locations

7. Sustainable Packaging Advocacy

- **Details:** NatureFirst works with 150 small and medium enterprises (SMEs) to adopt biodegradable packaging solutions, such as jute bags and cornstarch-based plastics
 - Results in a 25% reduction in non-recyclable packaging waste
 - Current challenge: Demonstrating the cost-effectiveness of sustainable packaging to skeptical businesses
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Problem Statement

NatureFirst Innovations aims to **integrate AI and technology** into its CSR initiatives to:

1. Improve the **effectiveness** and **scalability** of current programs
2. Leverage innovative, technology-driven **sustainable practices**
3. **Minimize costs** while maximizing environmental and social impact

As a consultant, propose a **comprehensive strategy** that includes:

- **Leveraging AI and IoT** for waste management, carbon tracking, and plastic upcycling
- Building partnerships with Indian tech startups, **government initiatives** (e.g., Digital India), and local NGOs
- Addressing **challenges such as affordability**, low digital literacy in rural areas, and data privacy concerns

Your proposal should include:

1. Your **choice of CSR** initiative and **reason** for choosing that
2. Detailed **recommendations** for **integrating AI/technology** into that initiative
3. A **timeline for implementation** tailored to India's unique challenges
4. **Expected outcomes**, including environmental, social, and financial impacts

Deliverables

1. Teams will have to make a **3-slider PPT** (excluding intro, thankyou slides and exhibits) explaining:
 - a. Choice of CSR Initiative and Technology Integration (1 slide)
 - b. Use of technology (e.g., AR, VR, or AI) and how it enhances the solution along with implementation plan and ROI Details (2 slides)
2. You can **make assumptions**; state them clearly
3. The file should be in **PDF format**, and the naming convention to be followed is **InstituteName_TeamName**
4. Participants will be judged on the following **criteria** (Total **100 points**)-
 - Practicality of proposed solution (20 points)
 - Current Scenario Research (20 points)
 - Implementation Plan (20 points)
 - Budget Allocation and ROI (20 points)
 - Creativity (20 points)