

Reward System

Parivartana EcoPoint Reward System

This document outlines the comprehensive EcoPoint reward system for Parivartana, designed to promote sustainable item exchanges, recycling, and community-driven sustainability initiatives. EcoPoints are awarded based on item categories, environmental impact, condition, and additional sustainability actions. This system excludes penalties to encourage maximum participation.

Item Categories and Base EcoPoints

1. High Impact Electronics

- **Examples:** Laptops, smartphones, monitors, hard drives, tablets, cameras, gaming consoles, smartwatches.
- **Base Points:** 25–30 per item (based on complexity and environmental footprint).
- **Bonuses:**
 - +10 for working condition (fully functional, no repairs needed).
 - +5 for donation to an NGO or verified recycling program.
 - +5 for e-waste recycling certification (proof of responsible disposal).

2. Medium Impact Items

- **Examples:** Kitchenware (pots, pans, utensils), home decor (lamps, curtains), clothing, bags, shoes, small furniture (chairs, shelves).
- **Base Points:** 10–15 per item (based on material and reuse potential).
- **Bonuses:**
 - +5 for local reuse (exchanged within the same city/community).
 - +5 for repurposed items (e.g., upcycled clothing or furniture).
 - +3 for sustainable materials (e.g., organic cotton, bamboo).

3. Books & Academic Tools

- **Examples:** Textbooks, journals, calculators, lab equipment, stationery, educational software licenses.
- **Base Points:** 15–20 per item (based on academic value and rarity).
- **Bonuses:**
 - +5 for reuse within the same academic institution or study group.
 - +3 for donating to underprivileged students or libraries.
 - +2 for digital academic resources (e.g., e-books, open-access licenses).

4. Sports & Fitness Gear

- **Examples:** Bicycles, dumbbells, rackets, yoga mats, fitness trackers, camping gear.
- **Base Points:** 20–25 per item (based on size and material impact).
- **Bonuses:**
 - +5 for repurposed or exchanged within a community (e.g., sports club).
 - +3 for eco-friendly materials (e.g., recycled rubber yoga mats).
 - +5 for promoting active lifestyles (e.g., bikes shared for commuting).

5. Decor & Collectibles

- **Examples:** Posters, crafts, vases, clocks, antiques, memorabilia.
- **Base Points:** 5–10 per item (based on aesthetic and material value).
- **Bonuses:**
 - +2 for handmade or sustainable origin (e.g., recycled glass vases).
 - +3 for cultural or historical significance (e.g., vintage items).
 - +2 for local artisan support (e.g., purchased from local craftsmen).

6. Miscellaneous & DIY Supplies

- **Examples:** Umbrellas, board games, carpets, event tickets, craft supplies, tools.
- **Base Points:** 5–15 per item (based on utility and reuse potential).
- **Bonuses:**
 - +5 for high reuse potential (e.g., tools, reusable craft materials).
 - +3 for community-driven exchanges (e.g., board games for group events).
 - +2 for biodegradable or recyclable materials.

7. Furniture & Large Appliances

- **Examples:** Sofas, tables, beds, refrigerators, washing machines, microwaves.
- **Base Points:** 30–50 per item (based on size, material, and environmental impact).
- **Bonuses:**
 - +10 for working condition (fully functional large appliances).
 - +7 for local reuse (reduces transportation emissions).
 - +5 for sustainable materials (e.g., reclaimed wood furniture).

8. Eco-Friendly Products

- **Examples:** Reusable water bottles, solar chargers, compostable cutlery, zero-waste kits.
- **Base Points:** 15–25 per item (based on environmental benefit).
- **Bonuses:**
 - +5 for certified eco-friendly products (e.g., B Corp, Fair Trade).

- +3 for promoting zero-waste lifestyles (e.g., reusable straws).
- +2 for locally produced eco-products.

9. Garden & Outdoor Equipment







- **Examples:** Lawnmowers, gardening tools, planters, outdoor furniture, solar lights.
- **Base Points:** 15–30 per item (based on utility and material).
- **Bonuses:**
 - +5 for promoting biodiversity (e.g., planters for native plants).
 - +5 for local reuse or community gardening projects.
 - +3 for eco-friendly materials (e.g., recycled plastic planters).

10. Children's Items

- **Examples:** Toys, strollers, cribs, baby clothes, educational games.
- **Base Points:** 10–20 per item (based on size and reuse potential).
- **Bonuses:**
 - +5 for donation to families in need or NGOs.
 - +3 for non-toxic, sustainable materials (e.g., wooden toys).
 - +2 for local community swaps (e.g., toy exchanges).

Eco Bonus Categories

These bonuses apply across all item categories to reward sustainable behaviors:

-  **Local Reuse:** +5 points for exchanges within the same city or community (reduces transportation emissions).
-  **Donation to NGO:** +10 points for donating to verified NGOs or recycling programs.
-  **Group/Community Swap:** +7 points for exchanges in group events or community-driven swaps.
-  **Upcycling Projects:** +5 points for items transformed into new products (e.g., clothing into quilts).
-  **Certification of Recycling:** +5 points for proof of responsible disposal (e.g., e-waste recycling receipt).
-  **Low-Carbon Transport:** +3 points for exchanges using low-carbon methods (e.g., bike, walking, public transport).

Special Scenarios

1. Bulk Exchanges:

- For exchanges involving multiple items (e.g., 10+ items in one swap), add a +10 bonus for promoting large-scale reuse.
- Cap at +50 bonus points per transaction to maintain fairness.

2. Educational Campaigns:

- Users hosting workshops or campaigns on sustainability (e.g., upcycling tutorials) earn 20–50 points based on impact and reach.
- Verified proof (e.g., event photos, participant count) required.

3. Digital Goods:

- Digital items (e.g., e-books, software licenses) earn 5–10 points based on their environmental benefit (e.g., reducing physical production).
- +3 bonus for open-source or freely shared digital resources.

4. Seasonal or Event-Based Items:

- Items tied to specific events (e.g., festival decorations, holiday costumes) earn +3 points if reused for the same purpose in future events.

Implementation Notes

- **Verification:** Users must provide proof (e.g., photos, receipts) for bonuses like NGO donations or recycling certifications.
- **Point Ranges:** Point ranges (e.g., 25–30) are determined by platform moderators based on item size, rarity, and environmental impact.
- **Transparency:** Users can view their EcoPoint breakdown in the Parivartana app to understand how points are calculated.
- **Appeals:** Users can appeal point calculations via the platform's support system, with moderators reviewing within 48 hours.

Example Scenarios

1. **Scenario:** User donates a working laptop to an NGO.
 - Base: 25 points (High Impact Electronics).
 - Bonuses: +10 (working condition), +10 (NGO donation).
 - Total: 45 EcoPoints.
2. **Scenario:** User exchanges a set of 12 textbooks within their university.
 - Base: 15 points per book $\times 12 = 180$ points.
 - Bonuses: +5 per book for same-institution reuse = +60 points.
 - Total: 240 EcoPoints.
3. **Scenario:** User swaps a bicycle in any condition.
 - Base: 20 points (Sports & Fitness Gear).
 - Bonuses: None (no additional actions specified).
 - Total: 20 EcoPoints.

This system ensures flexibility, inclusivity, and alignment with Parivartana's mission to promote sustainability through item exchanges and community engagement, without penalties to encourage broader participation.