



PLASTIC 2 BRICK



OUR MISSION

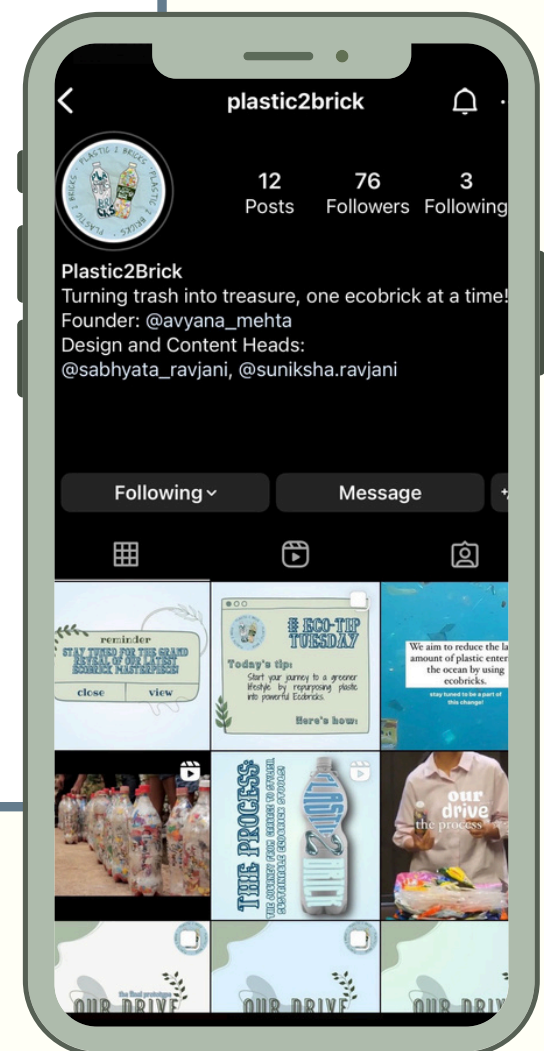
At Plastic2brick, we're on a mission to turn the tide on plastic waste, make a dent in the amount of overwhelming plastic pollution. We empower communities to become part of the solution by transforming everyday plastic into EcoBricks, sustainable building blocks. By diverting plastic from landfills and into construction, we're building a greener future, one ecobrick at a time. Together, we can create a cleaner environment, promote responsible waste management, and inspire positive change for generations to come.

OUR VISION

Plastic2brick envisions a world free from plastic pollution, where plastic waste is not a burden but a valuable resource. We want to see a future where communities around the globe are empowered to build sustainable structures using ecobricks, creating a positive impact on their environment and inspiring a new era of responsible waste management.

CURRENT PROBLEM

- **Massive Waste Generation:** Every year, humans generate a staggering amount of plastic waste - over 350 million metric tons according to Statista. This is projected to triple by 2060 if we don't change course.
- **Ocean Inundation:** Millions of tons of plastic leak into our environment, with oceans being a major dumping ground. Estimates suggest 8-12 million tonnes enter the ocean annually.
- **Environmental Harm:** This plastic disrupts marine ecosystems. Animals get entangled or ingest plastic, leading to suffering and death.
- **Microplastic Threat:** Plastic debris breaks down into tiny microplastics, which contaminate our water sources and even infiltrate the food chain, posing a potential health risk.



15 LIFE ON LAND
By creating a valuable use for plastic waste, Plastic2brick discourages improper waste disposal that harms land and wildlife habitats. It promotes responsible waste management practices that safeguard the environment. Land Restoration Potential: Ecobricks can be used to build structures that support land restoration efforts. For example, garden beds.

12 RESPONSIBLE CONSUMPTION AND PRODUCTION
Diverting waste from landfills and turning it into valuable building materials (ecobricks). Creating sustainable infrastructure with ecobricks. Fostering innovation in waste management through EcoBricks.

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
Sustainable Infrastructure: Eco-construction with ecobricks creates sturdy, low-cost structures with a minimal environmental footprint. Innovation in Waste Management: Plastic2brick fosters innovation by developing a practical solution to plastic pollution. It promotes responsible waste management by turning waste into a resource.

4 QUALITY EDUCATION
Plastic2brick educates children about plastic pollution through engaging workshops. These sessions empower them with knowledge and skills to become responsible environmental stewards while fostering a sense of community and social responsibility.

17 PARTNERSHIPS FOR THE GOALS
Partnering with schools, residents, and organizations to achieve larger goals. Sharing knowledge on ecobricks and responsible waste management. Mobilizing resources like plastic waste and recycled materials through partnerships.

14 LIFE BELOW WATER
Plastic waste is a major threat to marine ecosystems. Plastic2brick diverts plastic from landfills, preventing it from entering waterways and harming marine life. Every ecobrick keeps plastic out of our oceans.

11 SUSTAINABLE CITIES AND COMMUNITIES
Eco-construction using ecobricks empowers communities to build essential infrastructure like schools and community centers using recycled materials. This fosters a sense of ownership and promotes sustainable development within communities. Ecobricks can be used to build sturdy and low-maintenance structures.

13 CLIMATE ACTION
Plastic pollution is a major threat to our planet's ecosystems. Plastic2brick diverts plastic from landfills, reducing greenhouse gas emissions associated with plastic production and waste incineration.

From L to R:
Suniksha Ravjani, Avyana Mehta,
Sabhyata Ravjani



[click here to view the website](#)



Ecobricks are building blocks born from waste! Plastic bottles are packed tight with clean, non-recyclable plastics like wrappers, creating a dense, eco-friendly brick. This diverts plastic from landfills and gives it new life. Strong and versatile, ecobricks can be used for furniture, walls, planters, and even structures! They're a simple solution with big benefits: reducing plastic pollution and promoting responsible waste management. Ecobricks are a simple solution with big benefits: reducing plastic pollution and promoting responsible waste management. Imagine building a greener future, one ecobrick at a time!

OUR SOLUTION



THE IMPACT

- Reaching Over 1,000 Children: Empowered over 1,000 children, we taught them about environmental issues and taking action to create positive change. By fostering environmental awareness at a young age, Plastic2Brick is inspiring the next generation of environmental stewards.
- Preventing Ocean Plastic: The Eco-bench project kept a staggering 1,87,500 pieces of plastic out of our oceans. This plastic pollution can be deadly to marine life, so diverting it is a significant achievement. Imagine the collective impact as Plastic2Brick tackles future projects!
- Landfill Diversion and Methane Reduction: By diverting plastic waste from landfills, Plastic2Brick helps reduce methane emissions. Landfills are major sources of methane, a potent greenhouse gas contributing to climate change. Every ecobrick created helps combat this issue and promotes a more sustainable future.
- The creation of a website with an interactive impact map and a blog for 5 weeks with devoting 6+ hours each week, spreading awareness about the environment.



FUTURE PLANS

Our vision doesn't stop at eco-benches! We're excited to announce plans for our next project: an innovative EcoBrick toilet. This structure will not only address sanitation needs in a sustainable way, but also showcase the remarkable potential of ecobricks. By utilizing these compacted plastic bottles filled with waste, we aim to create a sturdy, weather-resistant toilet that promotes hygiene and environmental responsibility. This project embodies our mission to transform plastic waste into valuable building blocks, leaving a lasting positive impact on our communities.