

Spurti Nimbali

Class XII

Delhi Public School

R.K. Puram



here is a short intro about me

Currently I make noise and take up space in New Delhi, India. I am deeply passionate about the field of behavioral and social sciences and given a chance will spend every minute in front of a computer - programming. I also love writing poetry, theatre and DOGS! I have a deep desire to witness the 22nd century. To make the wait worthwhile, I constantly strive to make the world a better place and make way for a brighter and better future generation!



Special Award by the American Psychological Association at the International Science and Engineering Fair 2023



Grand Award Winner – CSIR Jigyasa Vigyan Mohotsav 2022



Grand Award Winner – Smart India Hackathon (Junior) 2022

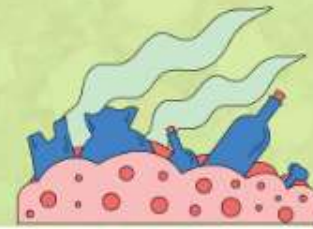


India generates 62 million tonnes of waste each year.

> 1.2 LAKH METRIC TONNES PER DAY



20% is collected waste is actually processed



80% is dumped in landfills

1.6 billion tonnes of greenhouse gas emissions were recorded as a result of solid waste discard in landfills.

Improper waste disposal is also a growing threat to animals and marine life, who tend to choke on plastic pieces and polythene or ingest hazardous substances.





Waste to Wealth

**Office of Public Scientific Advisor
Government of India**

The Waste to Wealth Mission is one of the nine scientific missions of the Prime Minister's Science, Technology, and Innovation Advisory Council (PMSTIAC). The mission aims to identify, develop, and deploy technologies to treat waste to generate energy, recycle materials, and extract resources of value.

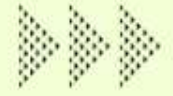




Selected as a Swachhhta Saarthi Fellow

- One of only 4 fellows from New Delhi
- Entrusted to facilitate the waste to wealth mission by developing innovative technologies and initiatives to support waste management.
- Helping boost and augment the Swachh Bharat Mission and Smart Cities Project by leveraging science, technology, and innovation.





Swap2Save

Barter your waste

An innovative initiative to promote
grassroot-level waste segregation
and recycling.



3 STEP PROCESS TOWARDS A WASTE FREE COMMUNITY

1



Creating awareness and promoting segregating of waste into organic and recyclable in homes and offices

2

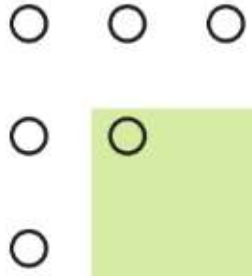


Promoting donation of recyclable waste through incentivization via items of everyday use.
Eg: Donate 3 old pairs of shoes for a new pair of socks

3



Deposition of collected waste at nearby recycling centre to ensure proper waste management



wondering what you can do
to help?

here's some tips



Optimise waste generation



- ➔ Reduce, Reuse and upcycle waste
- ➔ Refuse to use any form of single-use plastics
- ➔ Use creative measures to repurpose waste items

Improve waste segregation



- ➔ Segregate your waste into recyclable and non-recyclable waste
- ➔ Properly and separately dispose the recyclable, compostable and hazardous waste





*let's learn
composting*

Choose a location to compost which has adequate shade and access to water

Segregate brown and green scraps

Fill composting bins aiming for 1 layer of green alternating with 3 layers of brown

Adequately mist the layers as you add them to the bin

Periodically rotate the contents of the bin to avoid excessive heating

Use prepared mulch as manure for growing plants

[Link to Video](#)

Thank you