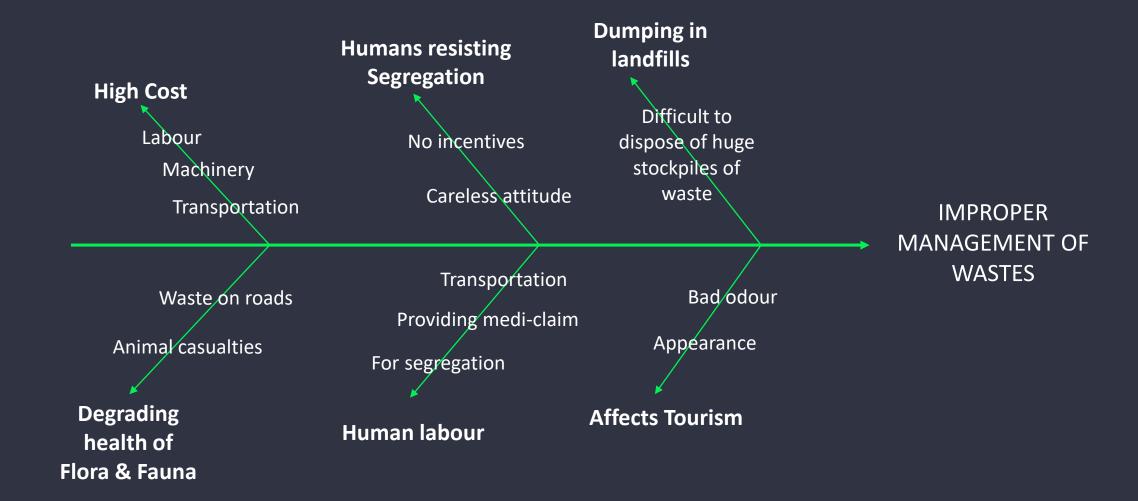
WASTE SEGREGATION MANAGEMENT (IN BENGALURU)

Group 1

- Alisha
- Naveen
- Neelesh
- Prashant
- Charvi

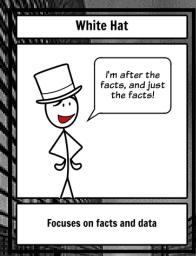


FISH BONE ANALYSIS



THE SIX THINKING HATS

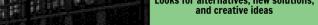
These six thinking hats help us approach the problem in an organized manner





Blue Hat

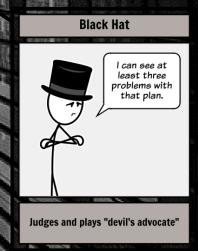






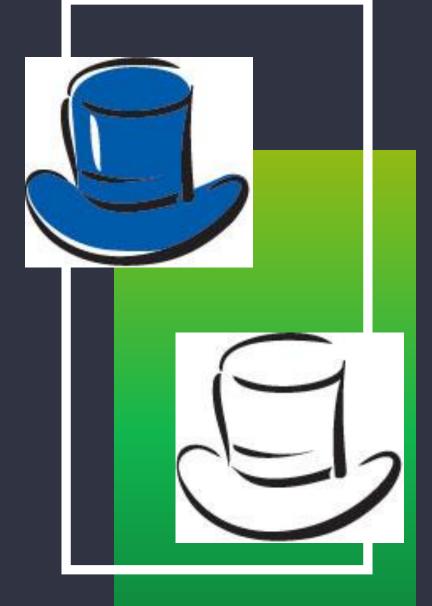


Six Ways of Thinking



BLUE

- Manage waste in an efficient and cost effective way
- Inspire people to segregate
- Lessen the amount of land for dumping garbage

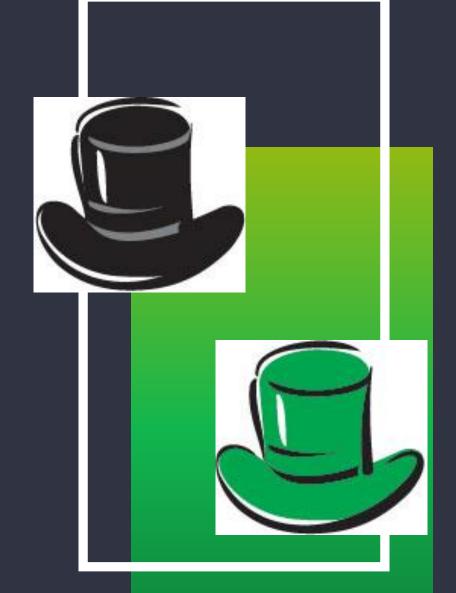


WHITE

- 5000 tons of garbage everyday,16% of which is plastic and1157 tons of dry waste .
- At a retail store, compost is available at Rs. 20-40/kg
- ➤ INR 329 Crore in 2013-14 on waste management
- Compost at Rs. 8/kg and at Rs. 5/kg by communities and the govt. respectively
- ➤ The cost of plastic is approx. INR 90 per kg

BLACK

- Cost-effective methodology
- Good budget
- Would people easily embrace the change?
- > Will they benefit from it?

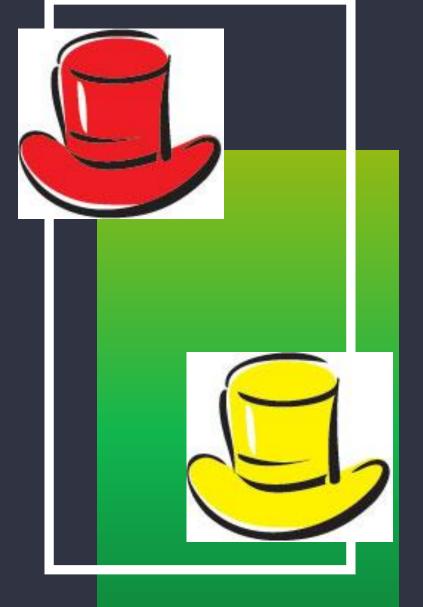


GREEN

- Pique the common man's interest by letting them benefit
- > Edible food wrappers
- Exploit the loopholes in already existing policies

RED

- Appeals to the basic conscience
- General benefit of the society



YELLOW

- People earn from garbage.Garbage bins become money boxes
- > Effectively free for the public
- Recycling more of the available recyclable plastic
- Compost will be available at a much cheaper price

Add a Footer

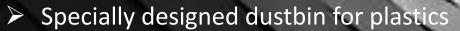
CONCLUSION

We need to focus on solving the following 3 issues:

- > Improper Management of garbage
- > Dumping of garbage in landfills
- > Resistance of people to segregate their wastes







- Incentives per kg of plastics (R. 10 per kg)
- Separate bin for Biodegradable waste
- BIODEGRADABLE to COMPOST to FARMERS (in lower prices)
- Crushed plastics to Process of SEPERATION BASED ON QUALITY
- Recyclable plastic gets recycled and the rest can be used in road making
- EFECTIVELY FREE OF COST!!!

OUR IDEOLOGY

BUDGET

- ➤ COST OF THE BIN: Dimensions (in feet): 2*1*1
 Area of sheet needed for 1 bin= 1*1+4*2*1= 9 sq. ft
 Price of material for 1 bin= 9*INR 30= INR 270 + Crushers on the opening (INR 55)
 Total price of the bin (including manufacturing cost) = 350
- ➤ Total Population of Bengaluru: 1.1 Cr

 Part of the population we are targeting (Lower Middle Classes): 50 Lakhs
- ➤ COST OF BINS (effectively): Cost to each family= INR 100 Investment on part of the Govt.= 50,00,000*250= 125 Cr Wages to all sort of workers (manual & machinery)= 100 Cr Total Cost= 225 Cr
- ➤ INCENTIVES= INR 250/ household i.e. the dustbin becomes **EFFECTIVELY FREE** in less than a year Total Cost of Incentives= 25*50,00,000= 125Cr
- > TOTAL INVESTMENT= 225 Cr (One-time) + 125 Cr= 350 Cr
- > TOTAL **SAVINGS** ON PART OF THE GOVT.= 150 Cr

