



# **Procedure and Process in Waste Segregation**

## **Unit/Plant - (SDMC WSU)**

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**1. Collection of waste:**

- Placing of dust bins for wet and dry waste in key areas. The total number of dustbins in the college including hostels is 103 (Both Wet and Dry).
- Daily shifting of waste to segregation unit through a centralized system.
- Separate arrangements made for the collection of sanitary waste in the Girls retiring room and Hostels

(1)



**Green Bin for Wet Waste and Blue for Dry Waste**



## 2. Waste segregation process:

- Waste collected is segregated into different categories as plastic/cloth/leather/toys/metal /Paper/ electronic waste etc.
- Segregation is done manually,
- A conveyer belt is designed for making segregation easy

(2)



Conveyer Belt facility for segregation

(3)



(4)





Students doing Used Cloth Segregation

(5)



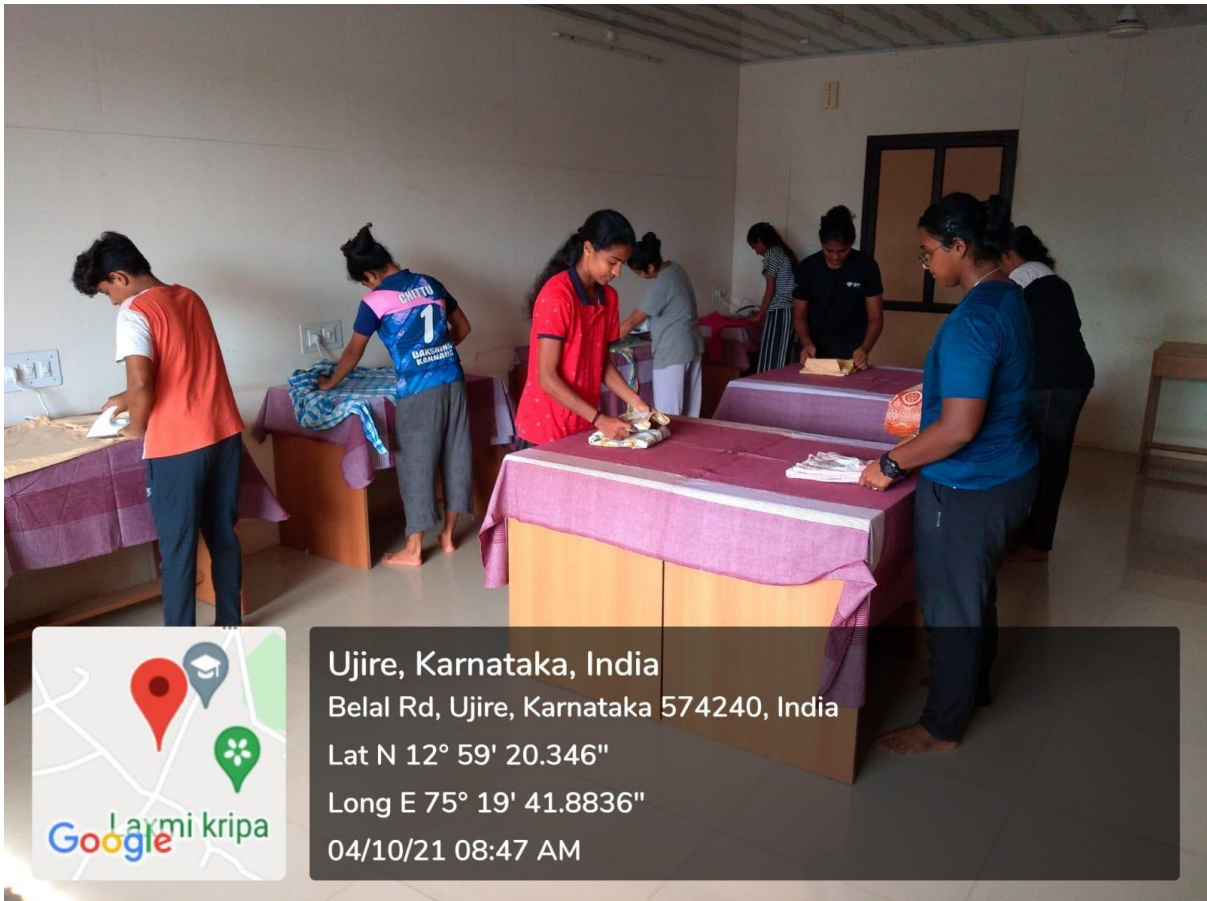
Disposal Ready Segregated Waste



### 3. Disposal/Reuse of dry waste

- Cloths are separated based on their condition
- Good and usable clothes are cleaned, ironed (by students), and placed in “Wall of goodwill” from where anybody can take them for their use.
- Unusable clothes are washed and used for cleaning purposes
- Electronic waste is disposed of through a licensed vendor
- Items like shoes, belts, bags/toys, etc are cleaned, polished, and kept in “Wall of goodwill”
- Paper and Plastic wastes are given to the vendor for recycling
- Metallic items are pooled with the scrape and sold to scrap collectors as per the institutional procedure.

(6)



Students ironing the segregated clothes for the Wall of Goodwill





#### 4. Disposal of organic waste:

- Organic waste is used for vermicomposting
- A roofed compost pit of 7x4x2 feet sized is constructed
- Organic waste without spicy contents is put into a compost tank
- Earthworm variety Eisenia fetida and Eisenia Andrei are used for composting
- Organic waste with spicy material is put into a pit and covered with soil to avoid foul smell

(7)



Vermi Compost Pit in WSP





### 5. Disposal of Sanitary waste -

- Lot of care is taken in the disposal of sanitary waste
- In all the toilets separate dust bins are placed
- In hostels every toilet block is provided with a napkin disposal slot.
- Paper and rubber bands are kept for wrapping before disposal
- The waste so disposed of gets collected in a drum kept at the ground level.
- These wastes are collected separately from all units in yellow bags
- They are then incinerated through an exclusive large incinerator designed and developed by the institution
- The ash obtained out of this is used as manure for coconut trees in the hostel

(8)



Incinerator designed and developed by the institution



(9)



Sanitary Waste Collection Facility in Hostels





## 6. Awareness

- Students are taken to the segregation unit to create awareness about the need for proper disposal
- Signboards displaying the need for civic sense are installed in key points

(10)



(11)



Students visit to Waste Segregation Unit



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(12)



Civic Sense Quote in the Campus

“What is the use of education if an uneducated pick the waste thrown by an educated?”





## 7. Wall of Goodwill

- It is a way of shifting items from a person not using to a person needing it
- Any item which is in good condition can be given by anyone to the committee
- The committee will display the same on the wall of goodwill
- Needy can take it anytime as it is open 24X7
- Usable things from the segregation unit are kept in this after proper cleaning
- The objective of the "Wall of goodwill" is to ensure that the receiver of the item will not feel inferior
- The items transferred to the needy till now are;

**List of items transferred to the needy**

Sl. No	Gender	Items	Total
1	Boy Kids	Shirt	136
2		T-shirt	202
3		Pant	190
4		Shorts	144
5	Gents	Shirts	640
6		T-Shirt	223
7		Cotton Pant	553
8		Jeans Pant	453
9		3/4 Pants	214
10		Slippers	123
11		Shoes	94
12		Sandals	127
13	Girl Kids	Frocks	138
14		Dress	209
15	Women's	T-shirt	284
16		Chudidar	190
17		Kurta Top	579
18		Shrugs	105



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19		Leggins Pant	433
20		Patyala Pant	233
21		Push-up Pant	244
22		Saree	412
23		Dupatta	332
24		Slippers	93
25		Shoe	87
26		Sandals	96
27	Stationery	Books	221
28		Pen	225
29	Others	Blankets	64
30		Track Pants	304
31		Bag	58
32		Toys	70
Grand Total			7476



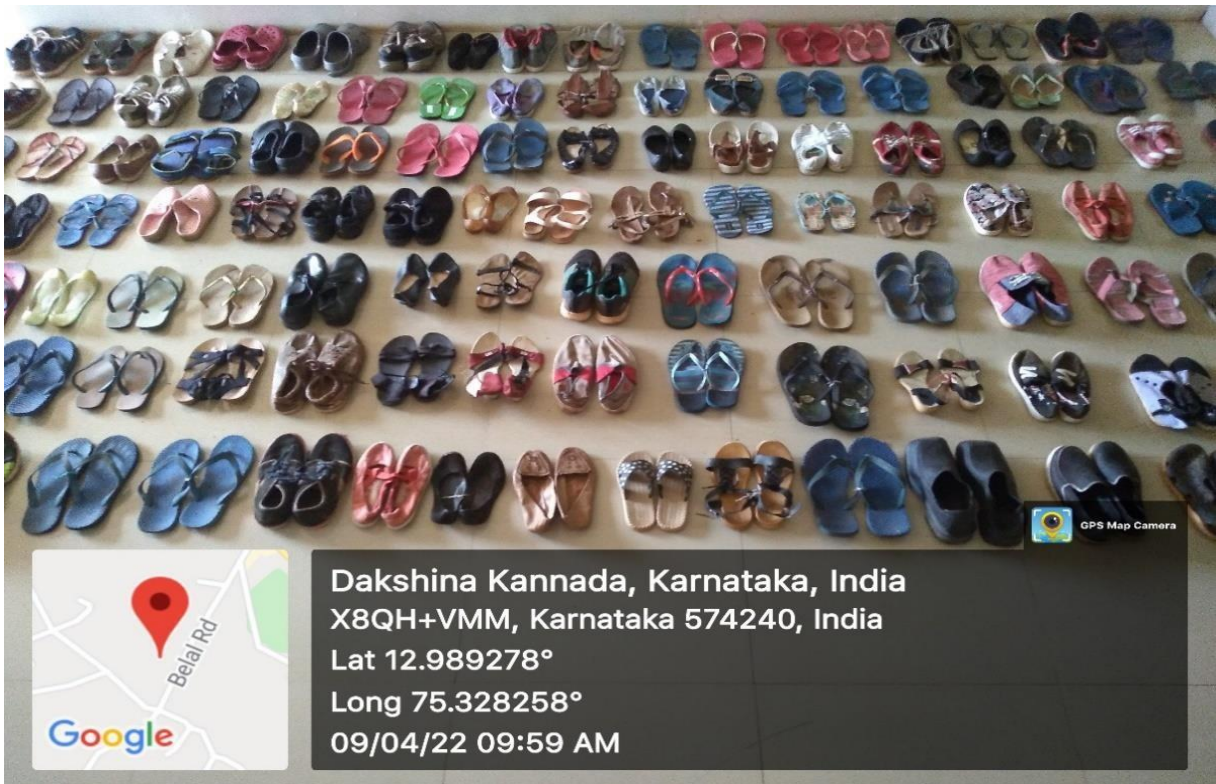


(13)



Display of Items in Wall of Goodwill

(14)



Segregated Shoes/Sandals