

# Students for Swachh Bengaluru

A project on extensive data gathering for  
BBMP

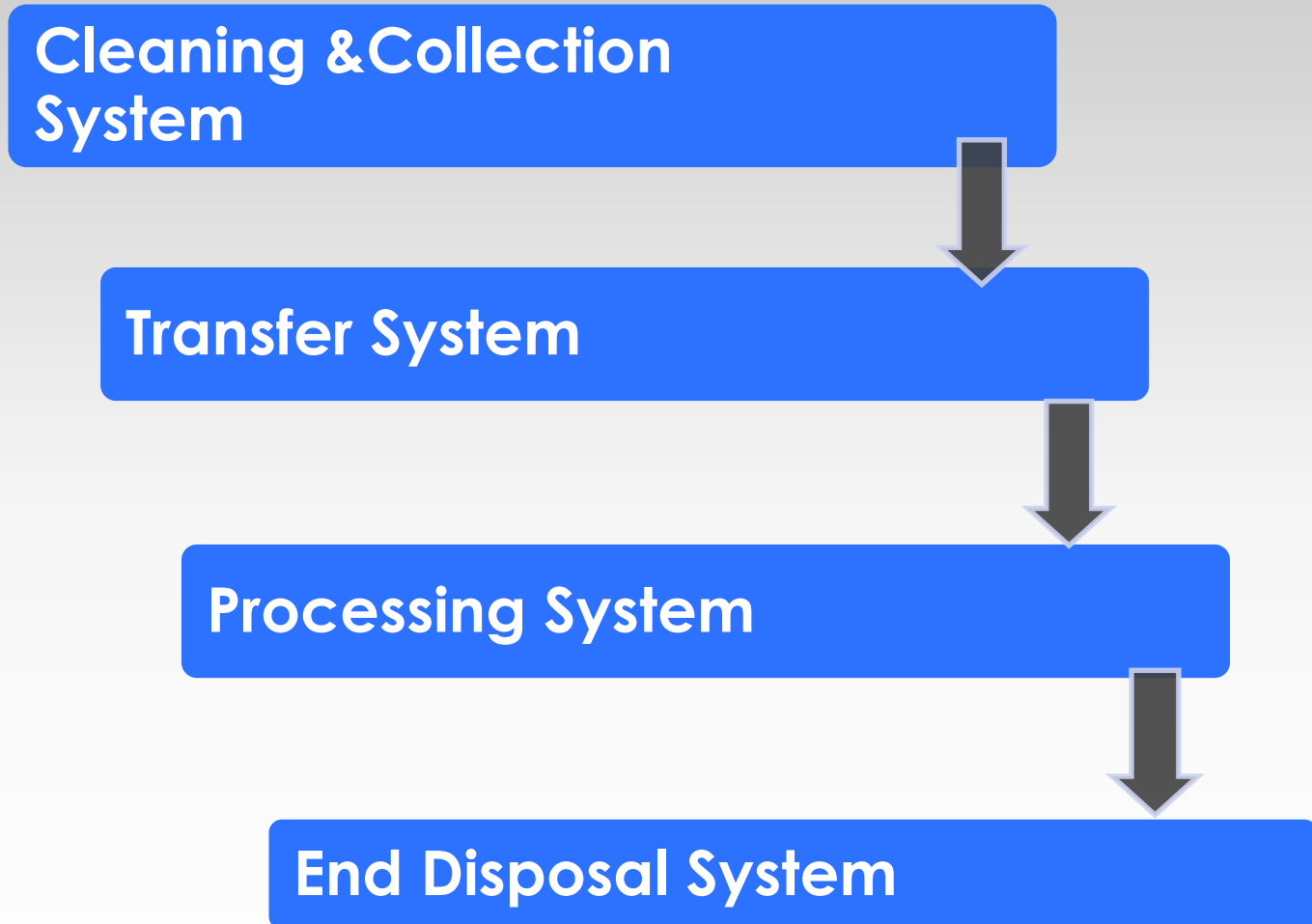
23<sup>rd</sup> Feb 2016



॥ सर्वेपि सुखिनः सन्तु ॥

Students for Development

# Solid Waste Management



# Sources of garbage in a city



**Residential D2D  
Garbage**



**Street sweeping**



**Commercial Garbage**



**Garbage from Public  
event**



**Garbage from Street Vendor**



# Sources of garbage in a city



**Construction Debris**



**Tree Trimming**



**Drain Waste**



**Dead Animals**

# Need for the data

- ◉ An effective waste collection system is key for a clean city
- ◉ Currently, BBMP handles waste collection for residential establishments only
- ◉ BBMP mandates non residential establishments to manage their own waste
- ◉ Establishments not managing their own waste dump in litter spots, which is on the onus of the BBMP to handle. This disrupts the current collection mechanism.
- ◉ In order to make the plan complete and effective, the non-residential establishments must be considered in the new plan.
- ◉ Data pertaining to these entities are not **SPATIAL data**. Hence the need for the data

**Gathered Data  
of**

**Rajajinagar - 99**

# Data Comparison

## BBMP

- Total No. of entities are - 951
- There is no category wise data
- **It is just a list of roads with total number of entities**

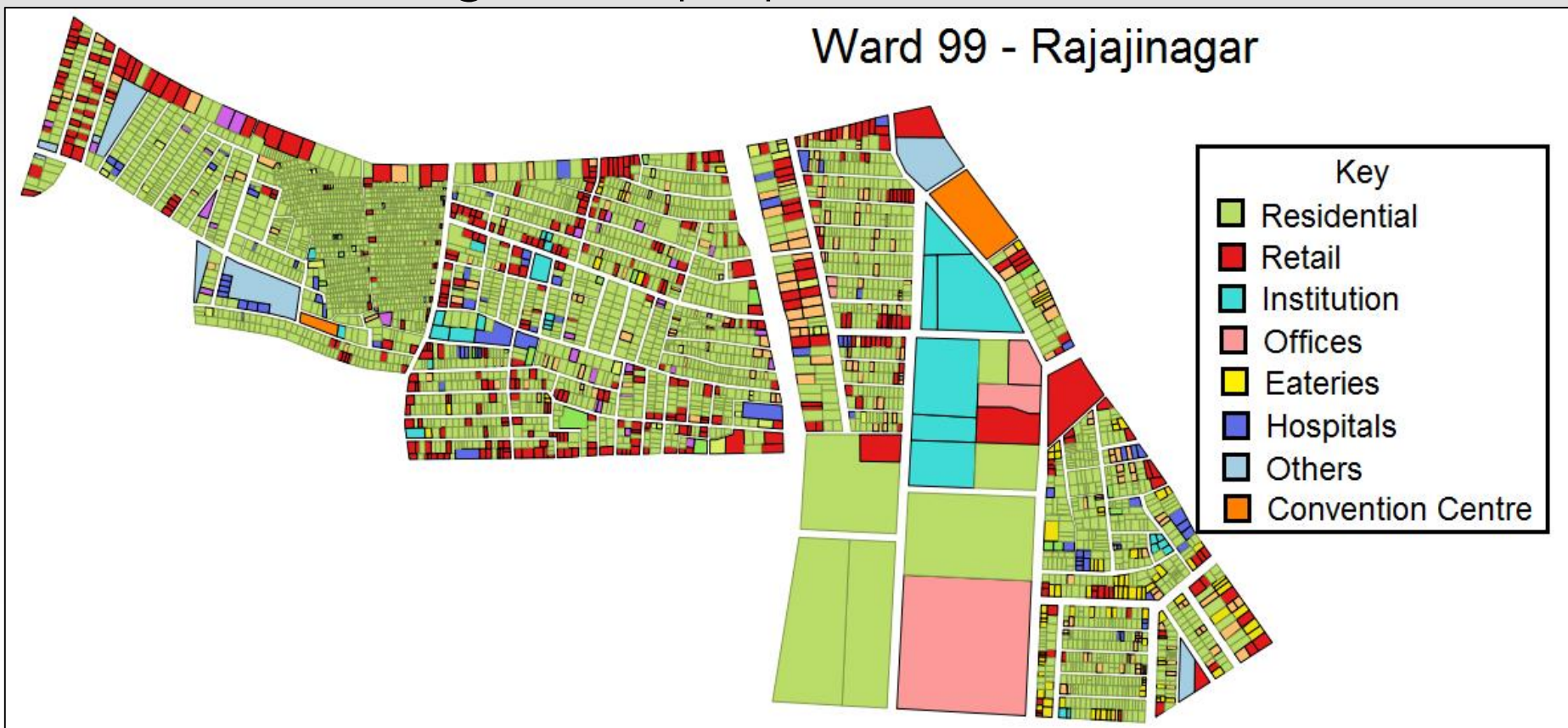
## SFD

- Total No. of entities are – 1468
- Data is been gathered as
  - > Primary Category – 19
  - > Secondary Category - 72
- **Data is being mapped on the plot map of the ward with exact location in the ward**



# Process

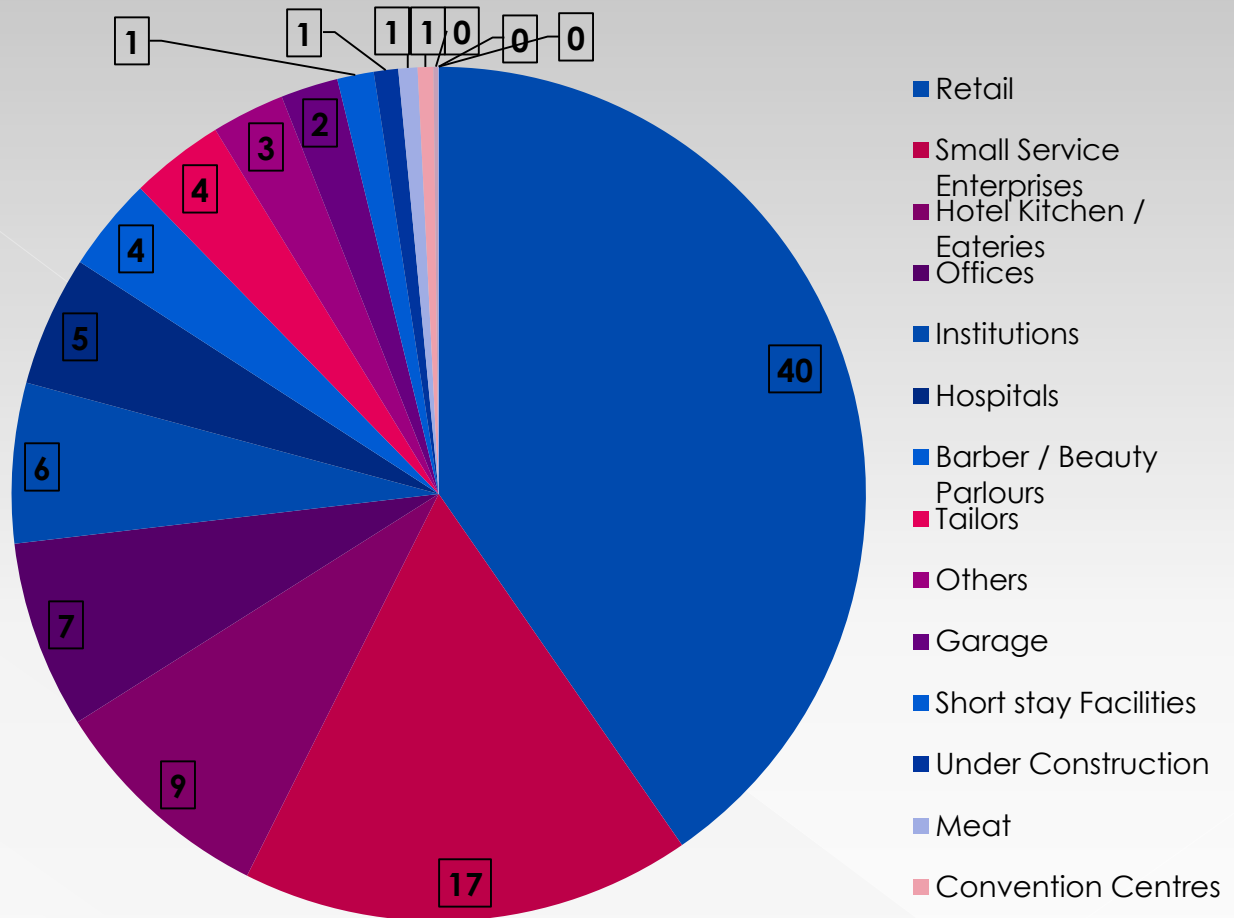
- All entities were surveyed on ground using ward maps.
- The captured data will be updated on GIS maps. This can be used for data analysis and planning for Waste Management purposes.





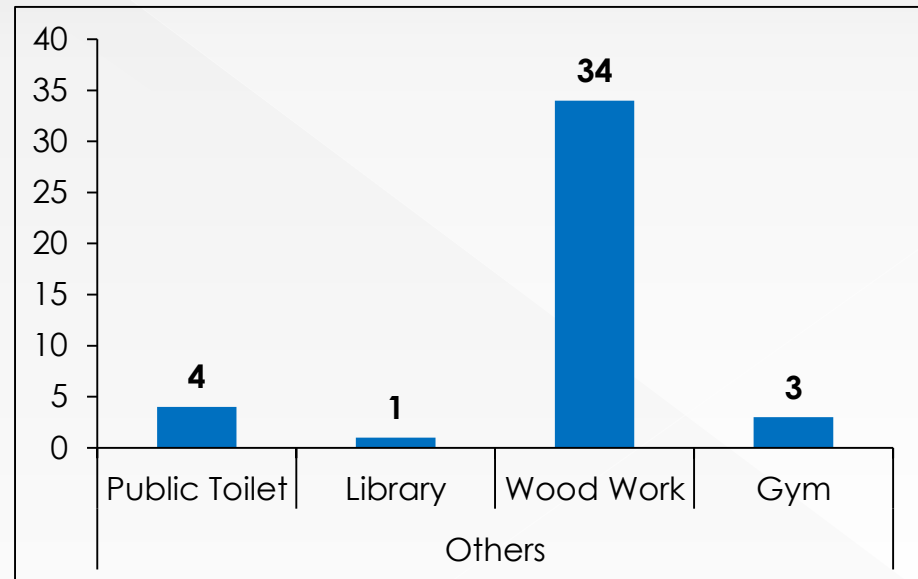
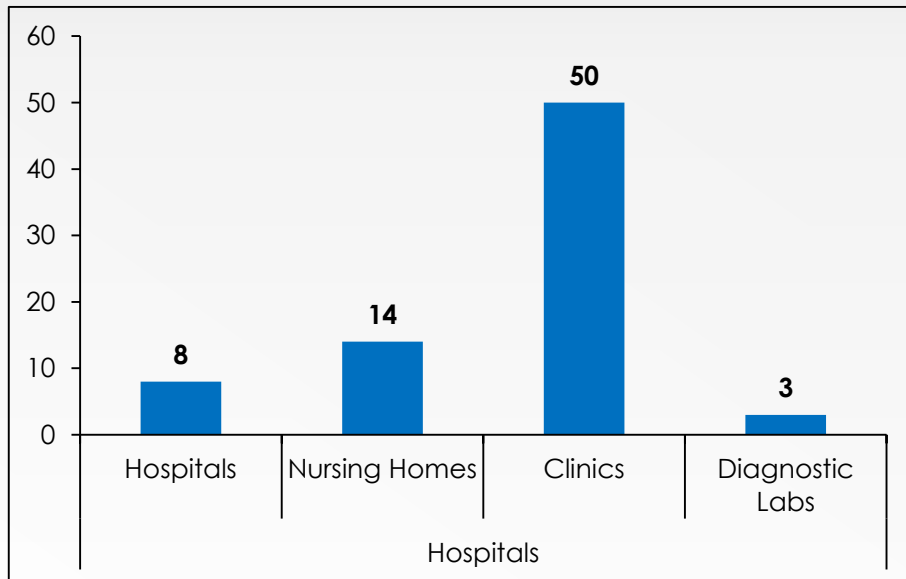
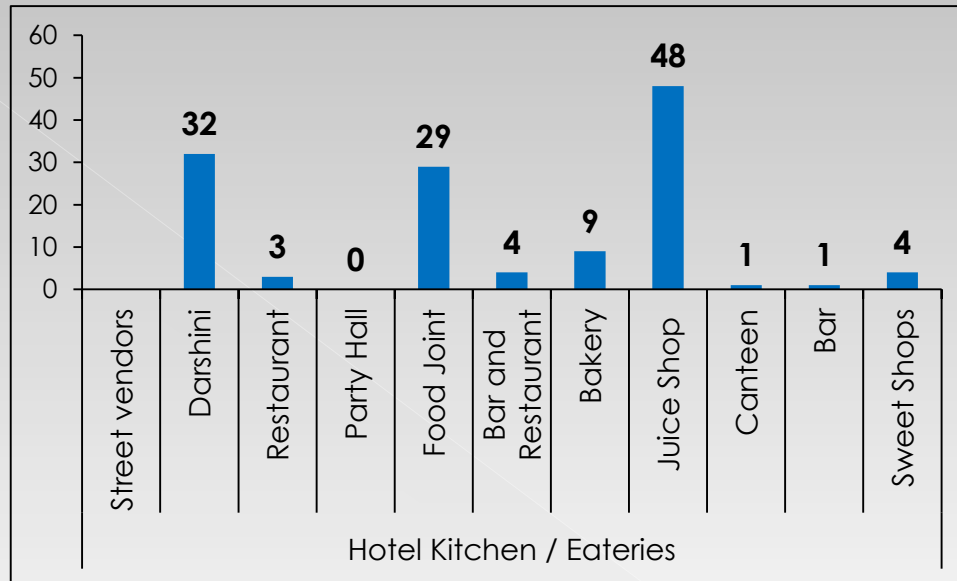
# Primary Category

Primary Category	No. of Entities
Retail	613
Small Service Enterprises	259
Hotel Kitchen / Eateries	131
Offices	108
Institutions	92
Hospitals	75
Barber / Beauty Parlours	54
Tailors	54
Others	42
Garage	33
Short Stay Facilities	21
Under Construction	14
Meat	11
Convention Centres	9
Vegetable/ Fruit/ Flower	3
Industrial	0
Apartment	0
<b>Total</b>	<b>1519</b>

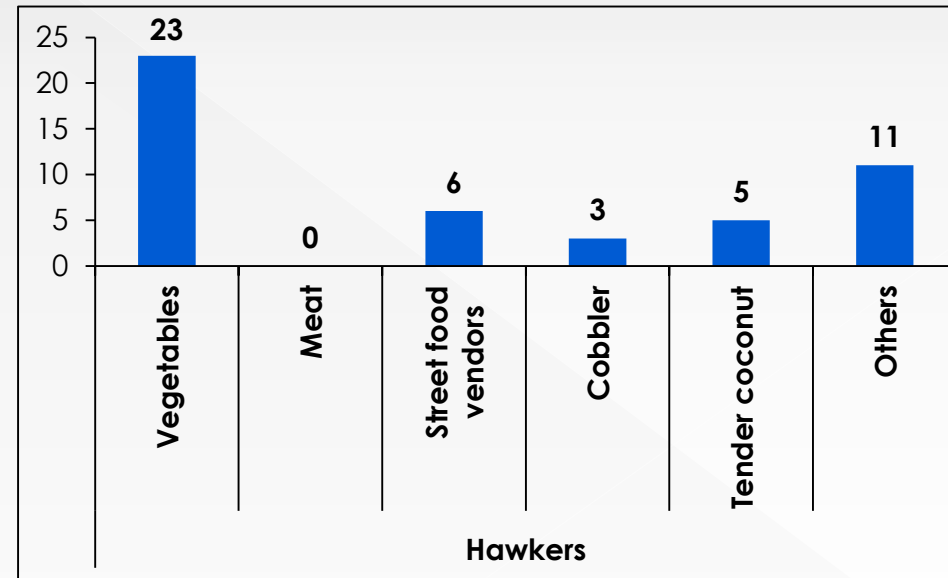
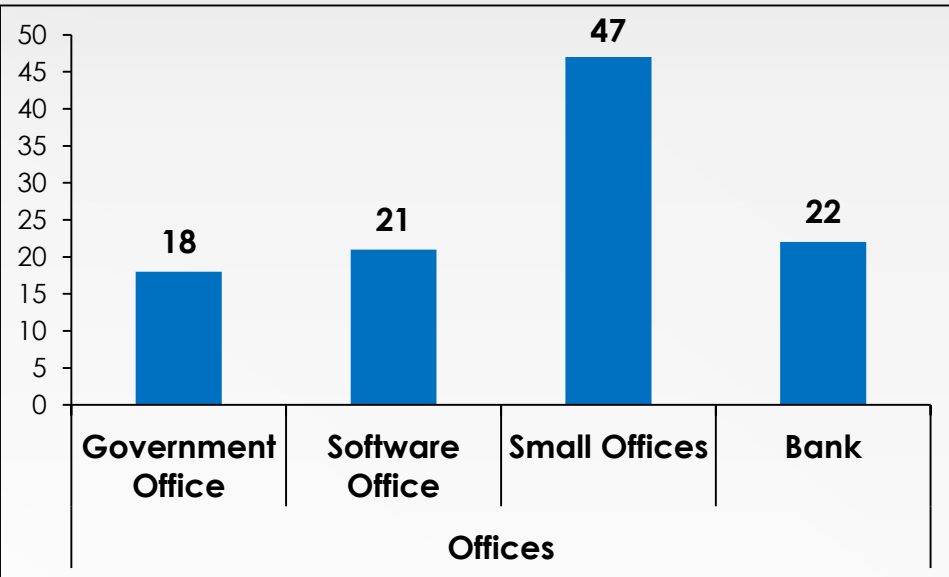
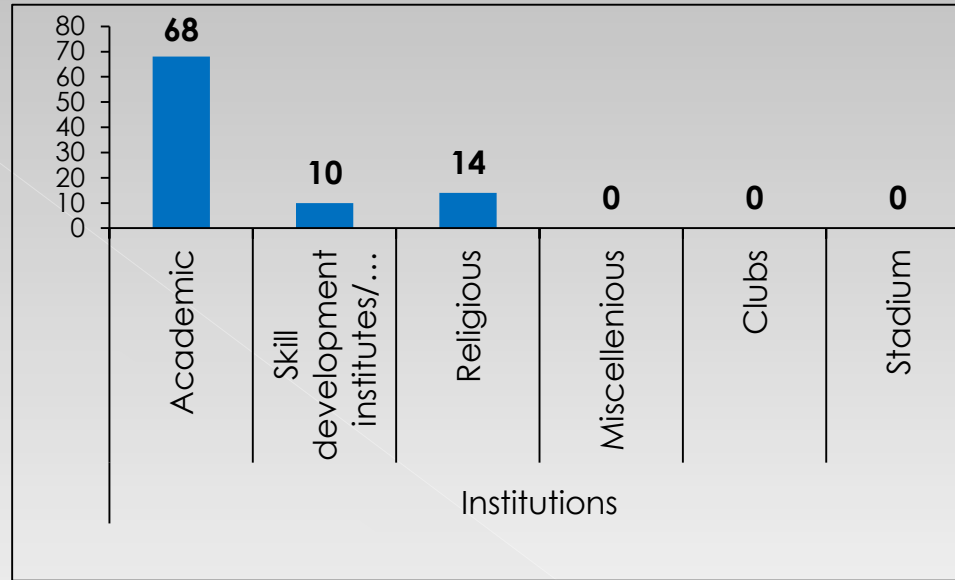


\* Numbers on the pie chart indicates the number of entities in %

# Secondary Category



# Secondary Category



# Way Forward

- ◉ We are signing an MoU with BBMP
- ◉ Similar data will be gathered for all the 198 wards of BBMP
- ◉ Students are going to be mobilized across the city
- ◉ Timeline to complete entire city – 4months
- ◉ The data will be handed over to BBMP to act



# Join Us

Steps	Tasks	Resources	Duration in Days
<b>Step 1</b>	Split the ward map using the detailed manual provided by SFD <ul style="list-style-type: none"> <li>• Ward maps will be provided by SFD</li> <li>• Assisted and monitored by SFD</li> </ul>	1	1
<b>Step 2</b>	Understanding the ward boundary from the Health Inspector of the respective ward. <ul style="list-style-type: none"> <li>• To be sure about the boundary to avoid any ambiguity later.</li> <li>• SFD will connect the students to the Health Inspector</li> </ul>	2	1
<b>Step 3</b>	Working on ground block wise to gather data of each and every non-residential establishment with the help of the ward map (Students will work as a 2 member team)  The procedure will be explained in detail to the students working on ground.	8 - 12	<b>8 – 10</b>  <b>(5 hrs each day)</b>

Get in touch

THANK  
YOU

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