

## TEACHER'S ACTIVITY REPORT 2016 - 2021

<b>FACULTY:</b> Science	<b>DEPARTMENT/ COMMITTEE</b> Environmental Sciences	<b>IQAC ACTIVITY No:</b> SVC/2017-18/EVS/AC/1	
<b>NAME OF THE ACTIVITY:</b> Waste to Compost			
<b>DATE</b>	<b>FACULTY</b>	<b>DEPARTMENT/COMMITTEE</b>	<b>COORDINATOR NAME</b>
20 July 2016 - 07 October 2016	Science	Environmental Sciences	Dr. Abhishek Chandra
<b>TIME</b>	<b>VENUE</b>	<b>NUMBER OF PARTICIPANTS</b>	<b>NATURE:</b> <b>Outdoor/Indoor</b>
9:00 to 17:00	Sri Venkateswara College	20	Outdoor
<b>SUPPORT/ASSISTANCE:</b>	TEAM of LEADearthSHIP, A Teri-Genpact Initiative Campus impact Challenge Sri Venkateswara college, University of Delhi		

### BRIEF INFORMATION ABOUT THE ACTIVITY (CRITERION NO. - 3 and 7):

TOPIC/SUBJECT OF THE ACTIVITY	Waste to Compost
OBJECTIVES	How can we make our campus clean and green under Campus Impact Challenge
METHODOLOGY	Lecture and activity in college campus
OUTCOMES	College students and staff trained to segregation of biodegradable and nonbiodegradable from 20 July 2016 to 07 October 2016. How convert biodegradable waste in to compost. Our college has been shortlisted to present at the Final Round Ceremony of Campus Impact Challenge in New Delhi on 7 October 2016 at TERI Office, India Habitat Centre, New Delhi

### PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):

Notice & Letters	Student list of participation	Activity report	Photos	Feedback form
Feedback analysis	News clip with details	Certificate	Any other	

IQAC Document No:	Criterion No:	Metric No:
Departmental file no	IQAC file No;	

NAME OF TEACHER & SIGNATURE	NAME OF HEAD/ COMMITTEE INCHARGE & SIGNATURE	IQAC COORDINATOR (SEAL & SIGNATURE)
Dr Abhishek Chandra	Dr Abhishek Chandra	

For Reference

Criterion I	Curricular Aspects (planning & Implementation)	Criterion V	Student Support & Progression
Criterion II	Teaching Learning & Evaluation	Criterion VI	Governance
Criterion III	Research, Innovations & Extension	Criterion VII	Institutional Values & Best Practices
Criterion IV	Learning Resources and Infrastructure		

## Report

TERI and Genpact has launched "Campus Impact Challenge" as part of LEADearthSHIP for colleges and institutions of higher learning in Delhi and NCR. The program was an inter college competition on identifying sustainability challenges in their respective campuses and come up with collective social and environmental solutions. Sri Venkateswara college was participated with the theme of waste to compost. Eight organization have been reached in final round on 7 October 2016.

### Campus Impact Challenge – Title of the Proposal:

### CAPACITY BUILDING OF STUDENTS : WASTE TO COMPOST

### Proposal's Overarching Goal:

Project aims to establish a basic setup for managing leftover food , waste marterial and paper within college premises using the techniques of vermicomposting and garbage enzyme.

### Details of Team Members:

Name	Course	Email	Contact No
1. Apurva Mishra	Botany(H)	<a href="mailto:apurva.mishra26@gmail.com">apurva.mishra26@gmail.com</a>	8447103389
2. Prakriti Sharma	Botany(H)	<a href="mailto:prakriti97@gmail.com">prakriti97@gmail.com</a>	8826373729
3. Sharanya Sharma	Botany(H)	<a href="mailto:sharma.sharanya02@gmail.com">sharma.sharanya02@gmail.com</a>	9899619640
4. Tanya Joshi	Botany(H)	<a href="mailto:tanyajoshi769@gmail.com">tanyajoshi769@gmail.com</a>	8447069597
5. Neha Agrawal	Botany(H)	<a href="mailto:agrawalneha053@gmail.com">agrawalneha053@gmail.com</a>	9456168214
6. Dikshita Somaina Boro	Sociology(H)	<a href="mailto:diksb96@gmail.com">diksb96@gmail.com</a>	9971076706
7. Tanisha Barkakaty	Sociology(H)	<a href="mailto:tanisha.barkakaty@rediffmail.com">tanisha.barkakaty@rediffmail.com</a>	8587057673
8. Pankhuri Jain	Zoology (H)	<a href="mailto:pankhuri.pj@gmail.com">pankhuri.pj@gmail.com</a>	9871195881
9. Anupama Nair	Zoology(H)	<a href="mailto:anupama26.96@gmail.com">anupama26.96@gmail.com</a>	9818556266
10. Ayush Agnihotri	Lifesciences	<a href="mailto:pratyush17d@gmail.com">pratyush17d@gmail.com</a>	9643490607
11. Priyanka Rathore	Lifesciences	<a href="mailto:priyankarathore397@gmail.com">priyankarathore397@gmail.com</a>	9958680223
12. Antara Kumara	Lifescience	<a href="mailto:itsantara@gmail.com">itsantara@gmail.com</a>	7065154325
13. Yugal Sandilya	Lifescience	<a href="mailto:yugalsandilya@gmail.com">yugalsandilya@gmail.com</a>	7428111269
14. Bineet Kaur Raina	Lifescience	<a href="mailto:bineetraina04@gmail.com">bineetraina04@gmail.com</a>	8447086126
15.Mugdha Chawla	Botany (H)	<a href="mailto:mugdhachawla1996@gmail.com">mugdhachawla1996@gmail.com</a>	8373982263
16. Devesh Kumar	Biochemistry(H)	<a href="mailto:deveshkumar468@gmail.com">deveshkumar468@gmail.com</a>	9711381652
17. Devesh Kumar	Biochemistry(H)	<a href="mailto:deveshsherawat@gmail.com">deveshsherawat@gmail.com</a>	9560083430
18. Anant Kumar	Physics(H)	<a href="mailto:anantsingh7740@gmail.com">anantsingh7740@gmail.com</a>	7532944840
19. Sachin Gupta	Botany(H)	<a href="mailto:guptasachu96@gmail.com">guptasachu96@gmail.com</a>	7053723691

### Details of the Campus Impact President

Name	Course	Email	Contact No.
Apurva Mishra	Botany(H)	<a href="mailto:apurva.mishra26@gmail.com">apurva.mishra26@gmail.com</a>	8447103389

### Details of the Faculty member:

Name	Designation	Email	Contact No.
Dr. Abhishek Chandra	Assistant Professor	<a href="mailto:ac.india@gmail.com">ac.india@gmail.com</a>	9868272798

## Email received for The Energy Research Insitite (TERI) attach here

Dear Teams,

Greetings from TERI!

We have completed the evaluation of teams from across institutes in Delhi NCR and we are pleased to inform that your institute has been shortlisted to present at the **Final Round Ceremony** of Campus Impact Challenge in New Delhi on **7 October 2016** at TERI Office, India Habitat Centre, New Delhi

Congratulations to you and your team from all of us at TERI and GENPACT

Please find below the names of the 8 Campus Impact Challenge finalists:

- 1.Delhi Technological University
- 2.Shaheed Rajguru College of Applied Sciences for Women
- 3.Lady Irwin College
- 4.Indraprastha College for Women
- 5.Motilal Nehru College
- 6.Dronacharya College of Engineering
- 7.Institute of Hotel Management, Catering and Nutrition
- 8.Sri Venkateswara College

The aforementioned institutes will be competing with each other by making a 10 minute presentation each. The format for presentation and agenda will be shared with you shortly.

In addition to this, few selected teams will be presenting on **8 October 2016** at IHC during TERI's World Sustainable Summit (WSDS) scheduled from 5-8 October. Please note selection will be done by a team of panelists based on your reports, communication, outreach, etc.

A line in response confirming your participation for the Final round of the Challenge will be highly appreciated. Also, the institutes who have not submitted their **final reports** are requested to do so latest by **10 August 2016**. Your confirmation to the event will not be considered unless the final reports are submitted to us. In addition to this, request you to send a **3-4 minute movie / short video** (if any) that you have developed during the period of your implementation. This should reach to us via mail by **8 August 2016**.

We would like to thank all the students, faculty members, Principals and other staff who have whole-heartedly participated in this initiative and supported in the smooth sailing of Project LEADearthSHIP.

If you have any questions or concerns, please do not hesitate to contact Monmi Barua at [monmi.barua@teri.res.in](mailto:monmi.barua@teri.res.in) or call at +919 990 737 535/ +911 124 339 606 (4210)

Warm Regards

LEADearthSHIP Team

\*\*\*



## Agenda

### LEADearthSHIP

A TERI – GENPACT YOUTH INITIATIVE

## Closing Workshop and Felicitation

7 October 2016

TERI, India Habitat Centre, New Delhi

0930 – 1000 hrs	Registration & Tea
1000 – 1005 hrs	Welcome Address <i>Ms. Ragini Kumar</i> , Associate Fellow & Area Convenor, Environmental Education & Awareness, Sustainable Development Outreach & Youth Education, TERI
1005 – 1010 hrs	Special Address <i>Ms. Nandini Kochar</i> , Assistant Vice President, Genpact
1010 - 1300 hrs	Presentations by Campus Impact Challenge (CIC) finalists 1) BE DESI (DUTY TO EMPATHIZE STERILIZE AND IMMUNIZE) ADOPT A DESI, Motilal Nehru College, University of Delhi 2) CREDENCE(BELIEF TO MAKE SOMETHING TRUE), Guru Dronacharya College 3) ECO INNOVATION: TOWARDS SUSTAINABLE CONSUMPTION, Lady Irwin College 4) WASTE TO COMPOST: Sri Venkateswara College, University of Delhi
1300 - 1345 hrs	Lunch
1345 – 1530 hrs	Presentations by CIC finalists (contd.) (tbd) 5) T.R.A.S. (THINK RESPONSIBLE, ACT SUSTAINABLE) Institute of Hotel Management (IHM) 6) CREATING AUXILIARY NESTING HABITAT FOR BIRDS AROUND THE COLLEGE CAMPUS: Indraprastha College for Women, University of Delhi

- 7) THE SHREDDERS & MAKERS OF PLASTIC CRAFT: Delhi Technological University
- 8) *SANITATION HEALTH: NEED OF THE HOUR*: Shaheed Rajguru College for women, University of Delhi

1530 – 1545 hrs

Felicitation of LEADearth Fellows

*Ms. Nandini Kochar*, Assistant Vice President, Genpact

*Ms. Livleen Kahlon*, Associate Director, Environmental Education & Awareness, Sustainable Development Outreach & Youth Education, TERI

1545 – 1550 hrs

Vote of thanks

*Ms. Monmi Barua*, Research Associate, Environmental Education & Awareness, Sustainable Development Outreach & Youth Education, TERI

1550 – 1615 hrs

Tea



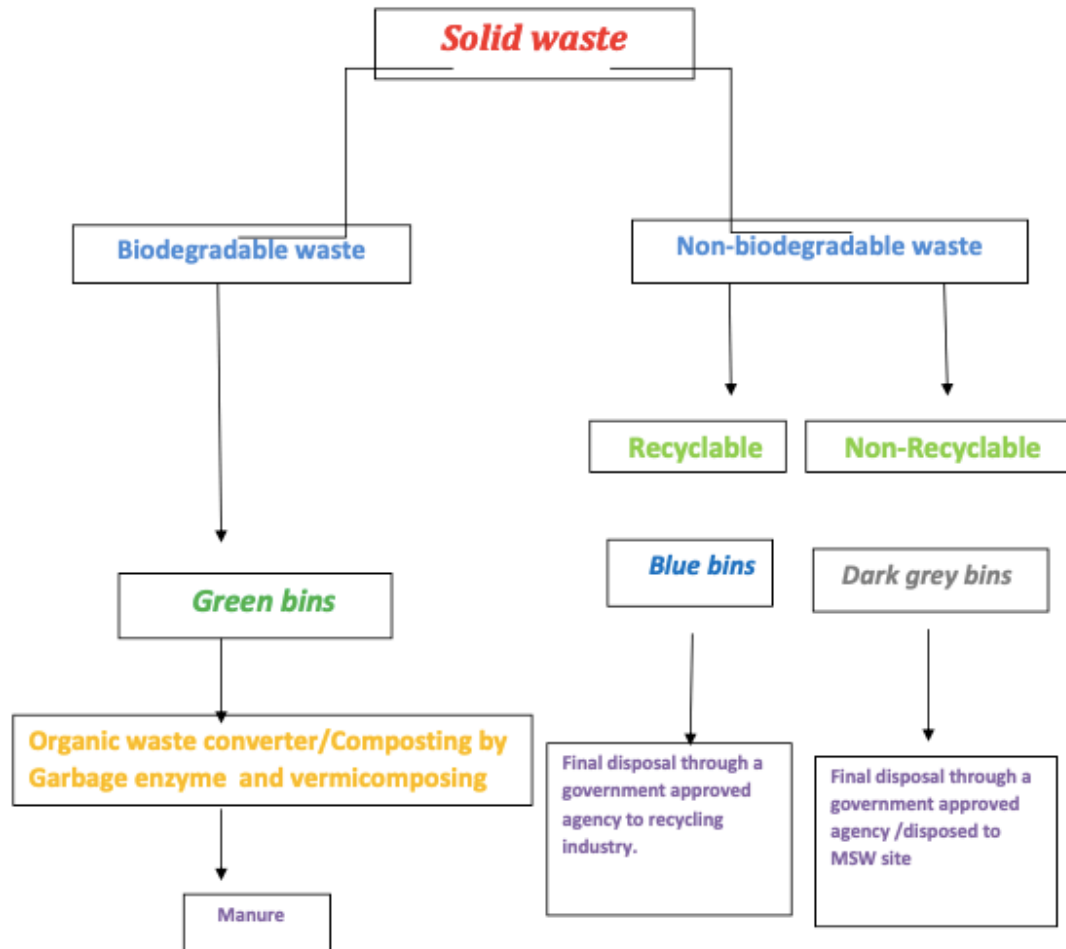
2016

# **Waste to Compost**

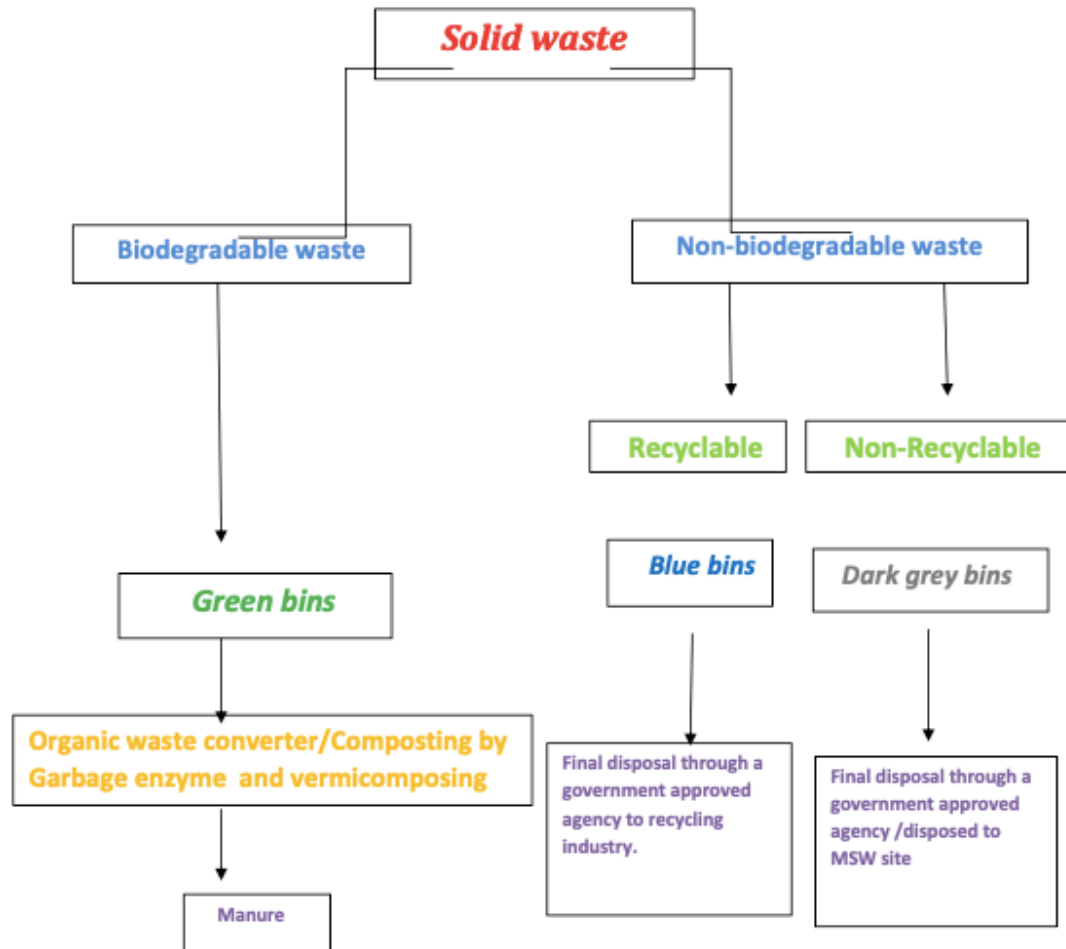


TERI GENPACT CAMPUS IMPACT CHALLENGE

## DISPOSAL

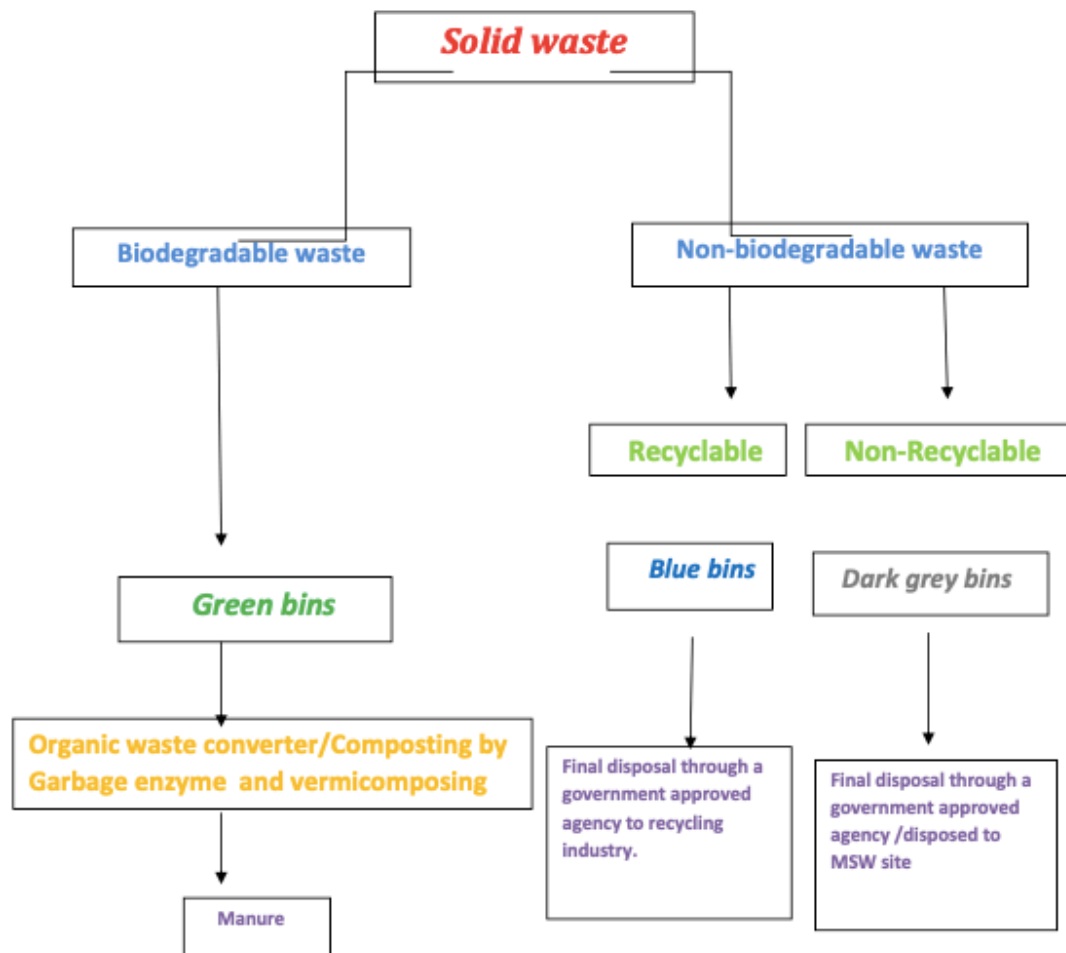


## DISPOSAL





## DISPOSAL



## TOTAL SOLID WASTE GENERATED IN THE CAMPUS

S.NO.	Category	Waste(kg/capita/day)	Waste generated (kg/day)
1	Residents	300@0.50 kg/day	150
2	Non-residents	4610@0.25 kg/day	1152.5
3	Visitors	491@0.15 kg/day	73.65
	<b>Total domestic waste</b>		1376.15
4.	Landscape waste (2.8 acre)	@0.2kg/acre/day	0.56
	<b>Total solid waste generated</b>		1376.71 kg/day say 1378 kg/day

(Source: Central Public Health & Environment Engineering Organization, Ministry of Urban Development, (Government of India, May 2000)



## COLLECTION AND SEGREGATION WASTE

1. Collection system will be provided for collection of domestic waste in coloured bins from institute and hostels
2. The local vendors will be hired to provide separate coloured bins for dry recyclable and biodegradable waste
3. For institutional waste collection adequate number of coloured bins (green and blue and the dark grey bins separate for biodegradable and non-biodegradable) are proposed to be provided at the strategic locations of the institutional area.
4. Litter bins will also be provided in open areas like parks etc. .

### Treatment of waste -

#### 1. Biodegradable waste's :

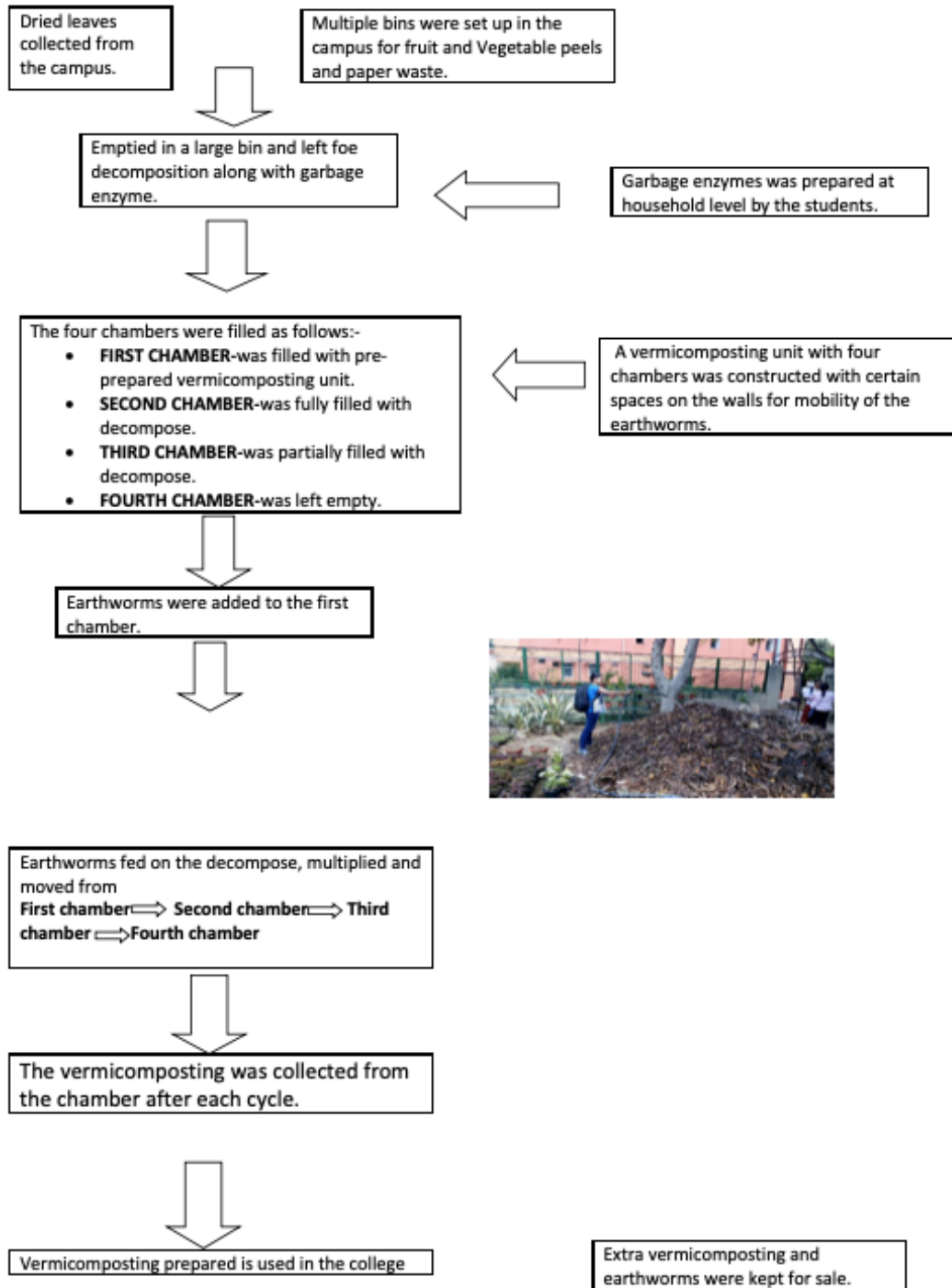
- a. Biodegradable waste will be subjected to composting by the use of organic waste converter/ Composting by Garbage enzyme and vermicomposting and finally the compost will be used as manure
- b. STP sludge is proposed to be used for horticulture purposes as manure.
- c. Horticultural waste is proposed to be composted and will be used for gardening purposes.

#### 2. Recyclable waste:

- a. Green Recycling – The cropped grass will be spread on the green area .It will act as manure after decomposition.
- b. Recyclable waste like paper, plastic, metals etc. will be sold off to recyclables.



## PICTORIAL DEPICTION OF THE PROCESS



## **TEAM of LEADearthSHIP**

**A Teri-Genpact Initiative**

**Campus impact Challenge (2015-2016)**

**Sri Venkateswara college, University of Delhi**

### **Principal**

Dr. P. Hemalatha Reddy

### **Faculty Coordinator and Project In charge**

Dr. Abhishek Chandra

Department of Environmental Science

### **Campus Impact President**

Miss Apurva Mishra,

B.Sc.(H) Botany II Year,

### **Student Members-**

Prakriti Sharma, Sharanya Sharma, Tanya Joshi, Neha Agrawal, Dikshita Somaina Boro, Tanisha Barkakaty, Pankhuri Jain, Anupama Nair, Ayush Agnihotri, Priyanlka Rathore, Antra Kumara, Yugal Sandilya, Bineet Thkaur Raina, Mugdha Chawla, Devesh Kumar, Devesh Kumar, Anant Kumar and Sachin Gupta.

Special thanks to Dr. Neeti Mehla (Department of Botany) , Dr. Vartika Mathur (Department of Zoology) , Dr Nandita Narayanaswamy (Department of Bio-chemistry) and Dr. Vibha Saxena (Department of Chemistry) for their constant support and guidance.



**SRI VENKATESWARA COLLEGE**  
(University of Delhi)

**Internal Quality Assurance Cell**

**Chairperson**

Prof C. Sheela Reddy  
Principal  
Sri Venkateswara College

**IQAC Coordinator**  
Dr. N. Latha  
Department of Biochemistry

**External Members**  
Prof Debi P Sarkar  
Department of Biochemistry  
University of Delhi South  
Campus

Prof Alo Nag  
University of Delhi South  
Campus

Dr. Gitanjali Yadav  
NIPGR, Delhi

**Internal Members**  
Dr. Meenakshi Bharat  
Department of English

Dr. Lalitha Josyula  
Department of Electronics

Dr. Namita Pandey  
Department of Political  
Science

Dr. A. K. Chaudhary  
Department of Physics

Dr. K.C. Singh  
Department of Physics

Dr. Swarn Singh  
Department of Mathematics

Dr. Neeraj Sahay  
Department of History

Dr. Vartika Mathur  
Department of Zoology

Dr. Shruti Mathur  
Department of Commerce

Dr. Padma Priyadarshini  
Department of Sociology

Dr. Nimisha Sinha  
Department of Biochemistry

Shri D. Venkat Ramana  
A.O(I/C)

This is to certify that the Activity report (Teacher/Department /Society/Association) has been submitted for documentation to IQAC, Sri Venkateswara College, University of Delhi.

*N. Latha*

IQAC Coordinator  
Sri Venkateswara College  
**Coordinator, IQAC**  
**Sri Venkateswara College**  
(University of Delhi)  
Dhaura Kuan, New Delhi-110021

*C. Sheela Reddy*

PRINCIPAL  
Sri Venkateswara College  
**PRINCIPAL**  
**Sri Venkateswara College**  
(University of Delhi)  
Dhaura Kuan, New Delhi-110021

Website : [www.svc.ac.in](http://www.svc.ac.in)

E-mail : [iqac@svc.ac.in](mailto:iqac@svc.ac.in)