



GURU NANAK COLLEGE BUDHLADA

Under the Management of Shiromani Gurdwara Parbandhak Committee, Sri Amritsar Sahib

NAAC - SSR - Cycle - II

Activity Report

Waste Management Committee



2019-20



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NAAC - SSR - Cycle - II

Annual Report

2019-20

Waste Management Committee

Waste Management Committee



Convenor
Waste Management Committee
Mr. Shenti Kumar (Assistant Professor cum Bursar)
Guru Nanak College Budhlada

GURU NANAK COLLEGE BUDHLADA
PG department of English
is going to organize poster making competition
in collaboration with Waste Management Committee
Date - 9 September 2019
Event- Poster Making
Topic – "Reduce, Reuse, Recycle"

Principal
Dr. Kuldip Singh Bal
(GNC Budhlada)

HOD
Dr. (Major) Jaspal Singh
(PG Department of English)

Convenor
Prof: Khushdeep Sandhu
(Incharge of Literati Club)



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Poster making on "Reduce, Reuse, Recycle" by dept. of English

Description: - A poster making competition was organized by P.G. Department of English. It was under the topic of waste management. Students took part very emphatically. It was held on 9.9.2019. Around 30 students participated in the activity.

Impact:- Students were affected by the activity very much. They said to reuse the waste material as a good source of creating some beautiful things.



Workshop on Waste Material Management *Swatch Bharat* (Recycle, Reuse, waste fabric, waste material)

Mrs. Seema Rani
Assistant Professor in Home Science
Member of Waste Management Committee
GURU NANAK COLLEGE
BUDHLADA
Contact No. 75892 - 90872



Dr. Shenti Kumar
Assistant Professor in Commerce cum Bursar
Convener of Waste Management Committee
GURU NANAK COLLEGE
BUDHLADA
Contact No. 75892 - 90872

**Date- 27th
September, 2019**

TIMING- 12:50pm – 2pm
VENUE- Department Fashion designing & Home science
Budhlada



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Name of activity: Workshop on waste material management

Date: 27-09-2019

Organized by: PG Department Of Fashion Technology & Home Science

Venue: Bhai Nand Lal Block G.N.C Budhlada

Name of faculty: Prof. Seema Rani

Participated by: B, A 1ST

Objective: To give a complete knowledge to students about reuse and recycling of waste material, which is used to convert waste material into things to create new things which is an art for a human body.

Out comes: Students got practical based skill and knowledge about waste material. Students got knowledge about uses of waste material transforming into art. It helps to reduce waste and protect the environment.





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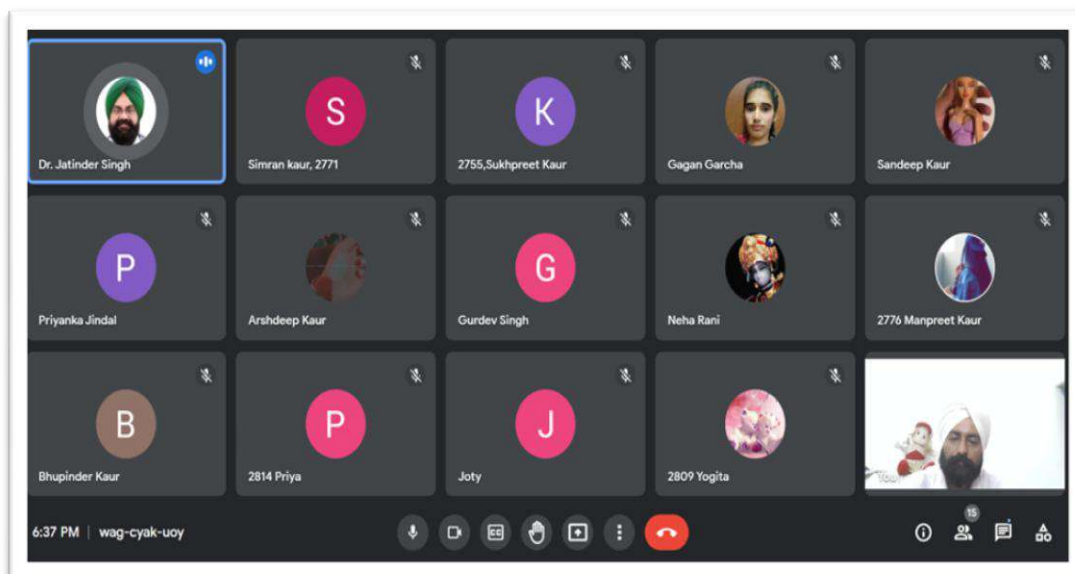
A Guest Lecture on "Handling & Management of Liquid Wastes"

Resource Person: -Mr. Surinder Singh Department of SSBUICT Punjab University Chandigarh)

Dated: - 07 Oct, 2019.

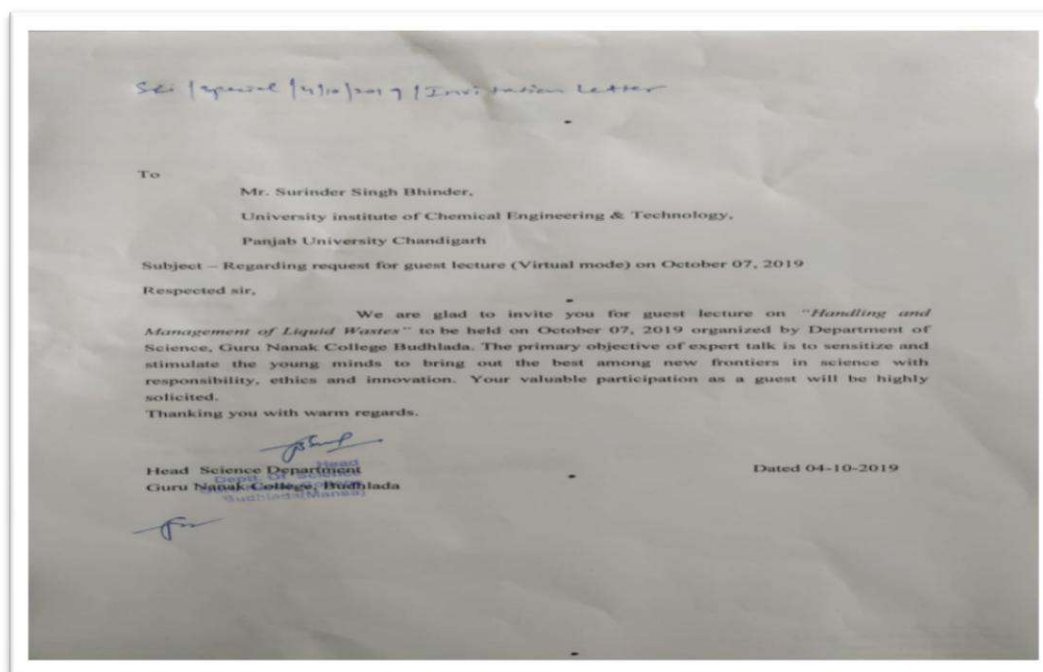
Objective: - To proper refine and recycling liquid waste and manage the water line effectively

Outcomes: - Students got knowledge of the liquid waste for managing the liquid wastage effectively without causing harm to the environment.



Mr. Surinder Singh Bhinder giving a Lecture

Invitation Letter for Mr. Surinder Singh Bhinder





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Visit to Farm Activity: Agriculture residue management by mushroom cultivation

Date: - 10/11/2019

Activity incharge:-

Mrs. Kanchan Kumari

Mrs. Amandeep Kaur

Venue: Budhlada

Objectives: -In programme private farm given demonstration to use agriculture residue for the preparation of compost that uses for the growing of mushroom. Students with faculty member visited farm to attend this programme for the developing skills in waste to wealth management.

Impact: - Students actively participated in this activity and got knowledge about the practical aspects of things otherwise considered as waste.





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Awareness Programme Solid Waste Management by bio mass residue

Dated:-18-01-2020 to 19-01-2020

Activity:-Awareness drive started just after the admission of new students to aware them about waste management practices. In the programme, types of waste collection in the form of dry and wet in different Bins; Green and Yellow was demonstrated and also discussed vermin-compost preparation from cow-dung and cow litters (residue waste). Students and faculty members actively participated in this programme.

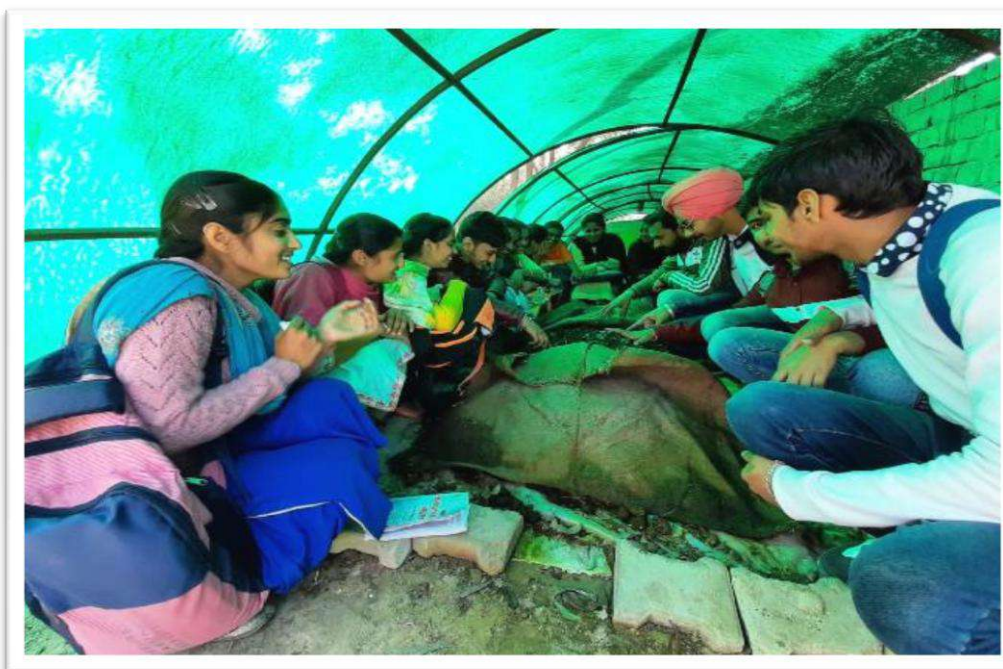
Activity incharge:-

Mrs. Kanchan Kumari

Er. Dilip Kumar Ojha




Understanding of Vermi-composting process



Common Worm Feed Stocks for Vermicomposting		
Feed	Advantages	Disadvantages
Cattle manure	Good natural, natural food, therefore little adaptation required	Worms do not like pre-composting necessary
Poultry manure	High N content results in good nutrition and a high quality product	High protein levels can be dangerous to worms, so must be used in small quantities; major adaptation required for worms not used to this feedstock. May be pre-composted but not necessary if used cautiously
Sheep/Cat manure	Good nutrition	Requires pre-composting (wood, peels), small particle size can lead to packing, necessitating extra turning (aerating)
Egg manure	Good nutrition, produces excellent vermicompost	Usually in liquid form, therefore must be dehydrated or used with large quantities of highly absorbent bedding
Stable manure	N content second only to poultry manure; therefore good nutrient; contains very good mix of organic & mineral; ideal earthworm feed	Must be leached prior to use because of high water content; can overheat if quantities are large; availability usually not good
Fresh food scraps (e.g. peels, other food prep waste, leftovers, commercial food processing wastes)	Excellent nutrition, good moisture content, possibility of revenues from waste tipping fees	Extremely variable (depending on source), high N can result in overheating, meat & high fat wastes can create anaerobic conditions and odours, attract pests, so should NOT be included without pre-composting
Pre-composted food wastes	Good nutrition; partial decomposition makes digestion by worms easier and faster; can include peels and other greasy wastes; less tendency to overheat	Nutrition less than with fresh food wastes
Household (human) waste	Excellent nutrition and excellent product, can be activated or non-activated sludge, septic sludge; possibility of waste management revenues	Heavy metal and/or chemical contamination (if from municipal sources); odour during application to beds (worms cannot fully quickly's possibility of antibiotic resistance if sewage not completely treated)

VERMICOMPOST

NUTRITIVE VALUE OF VERMICOMPOST		DETAILS OF VERMICOMPOST UNIT	
Organic carbon	9.5 – 17.98%	Species	<i>Perionyx ceylanensis</i>
Nitrogen	0.5 – 1.50%	Common Name	Jai Gopal
Phosphorous	0.1 – 0.30%	Temp.	0-43°C
Potassium	0.15 – 0.56%	Resistance	
Sodium	0.06 – 0.30%	Developed By	IVRI (UP)
Calcium and Magnesium	22.67 to 47.60 meq/100g		
Copper	2 – 9.50 mg/kg		
Iron	2 – 9.30 mg/kg		
Zinc	5.70 – 11.50 mg/kg		
Sulphur	125 – 545 mg/kg		

BENEFITS OF VERMICOMPOST

- *Vermicompost is rich in all essential plant nutrients.
- *It neutralizes the soil protection.
- *It enhances the decomposition of organic matter in soil.
- *It prevents nutrient losses and increases the use efficiency of chemical fertilizers.
- *Vermicompost contains earthworm cocoons and increases the population and activity of earthworm in the soil.

Vermi-composting process for litter (Bio-residue waste)

Waste Management Committee

Name of activity: - E-Waste –TYPES OF DEVICES

Date: 27-01-20

Organized by: PG Department of Computer Science

Venue: Department of Computer science

Name of faculty: A.P. Gurinder kaur

Participated by: BCA1

Objective: To give a complete knowledge to students about reuse and recycling of E-waste material.

Outcomes: Students got practical based skill and knowledge about e-waste material .Students got knowledge about uses of e- waste material transforming into different aspects.

E-WASTE-Types of devices



Date- 27 JAN 2020

Keynote Speaker- A.P. Gurinder Kaur

Organized by-Computer Science Department





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Activity -Preparing Bio -Enzyme and Bio fertilizer

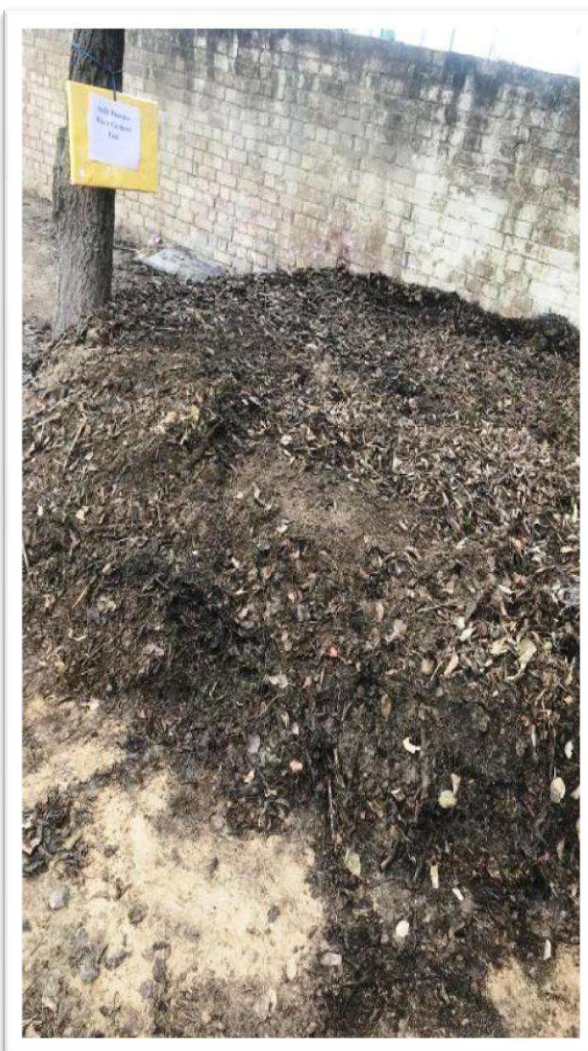
Dated:-11-02-2020

Programme incharge:

Mrs. Kanchan Kumari and Ms. Sumandeep Kaur

Objectives: To make the students understand how to prepare bio waste decomposer and bio-fertilizer that enhances the agricultural skill.

Outcome:- Students learnt about bio-based waste decomposer that was prepared by cow urine and skilled about bio-residue based composting process.



Cow urine-based bio decomposer and bio residue based composting



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GURU NANAK COLLEGE BUDHLADA
PG department of English
Organising A Lecture
ON
Waste Management
Under the guidance of waste management committee
Topic- "Think before you trash it"
Date - 12 February 2020
Lecture by Dr. Sandeep Kaur
(HOD Commerce Department)

principal Dr. Kuldip Singh Bal (GNC Budhlada)	HOD Dr. (Major) Jaspal Singh (PG department of English)	Convenor Prof: khushdeep (Incharge of Literati Club)
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Special lecture by Dept.of English on "Think Before You Trash it"

Description: - A Guest Lecture was organised by P.G Department of English on 12-2-2020 under the title "Think before you trash it" under the guidance of Waste management committee. The Lecture was delivered by Dr. Sandeep Kaur (department of Economics). Around 100 Students participated in the lecture.

Impact:- After this lecture some of the students committed that they will reuse the waste material in their homes as well as in the college also.

