

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

Shobhavana Campus, Mijar, Moodbidri Phone: 08258-262725, Fax: 08258-262726

A Unit of Alva's Education Foundation (R)

(Affiliated to Visvesvaraya Technological University, Belagavi Approved by AICTE, New Delhi)



ALVA'S
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A Report on SOCIETY BENEFICIAL PROGRAMME 2023

**Training and Demonstration of Pipe
Composting for Public Residents of
Badaga Yedapadvu Grama Panchayath,
Moodbidri**

From,

The Head of Department

Department of Civil Engineering

AIET, Moodbidri

To,

The Principal

AIET Moodbidri

Sub: To grant permission for organizing Pipe Compost Training Programme -reg

As a part of societal beneficiary program, the department of Civil Engineering is planned to organize "Pipe Compost Training Programme" in association with Badaga Yedapadavu Grama Panchayath, Moodbidri on 16th February 2023 in our college. So I hereby request you to grant the permission for the same.

Thank you,

Date: 09/02/2023

Place: AIET, Moodbidri



PRINCIPAL

Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K



H.O.D.
Dept. of Civil Engineering
Alva's Institute of Engg. & Technology
Mijar, Moodbidri - 574 225

PIPE COMPOSTING PROGRAMME

The department of Civil Engineering organized pipe composting on 16/02/2023 in Badaga Yedapdavu Gram Panchayath area. The 61 students of 6th semester and faculties took part in the event. The use of pipe composting for the house hold waste management is demonstrated to the people of Badaga Yedapdavu Gram Panchayath area.



Figure 1. Students and faculties involved in demonstration of pipe composting

A 6 inch radius pipe 6 feet tall with two feet inside will be generally used for pipe composting. The ground, which soaks in all the compost liquid and within 90 days all the wet waste, will turn into compost. For a small family, one such pipe would be enough to dump waste for two months. When the pipe is full, a second pipe can be used. By the time it is full, the first would have turned into manure.

Methodology

- Segregation of hostel waste into dry and wet right in hostel kitchen. Fruit peels, teabags and left overs of food, dried leaves are wet waste, while paper, plastic and packaging are dry waste.

- To start with, the PVC pipe of 2.4kgf/cm^2 pressure rating, ISI marked a diameter 8 inch, length of 6 feet is been used
- Top lid cover made out of Ferro cement/ Fiber/GI for 8 inch pipes is used Pit of 1 inch of diameter and depth has done in the back of Boys hostel building to fix the PVC pipe inside the pit
- On the commencement of process 2 kg cow dung mixed with water is added with 2 kg of Jiggery to start off the decomposition process.
- Wet waste has cut to small pieces and Daily 2 kg of waste has dropped to pipe. No liquid waste is been added to the pipe.
- One layer of soil and 5 liters of water is added weekly to the pipe. Lid is always closed after the pipe is filled. After the 90 days of period decomposed waste has taken out and using as a compost in the garden of the college campus.

Social Impact


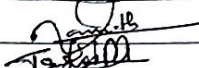
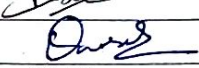

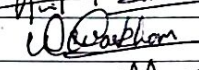
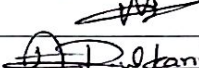
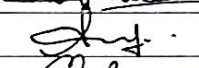
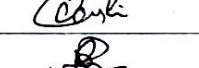
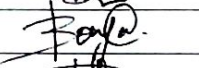
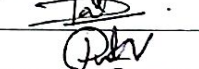
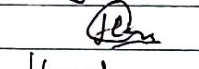
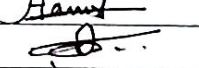
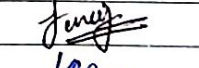
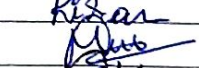

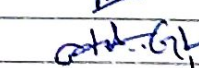










- Pipe composting speeds up the natural breakdown of organic material into particles and nutrients. The particles and nutrients contribute to better growing condition for plants by breaking up heavy soils, increasing soil nutrient content helping soil retain air and water.
- Composting reduces landfill space, the energy spent on waste collection, disposal and reduces the need for fertilizers.


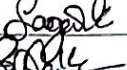
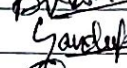

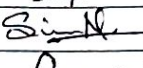
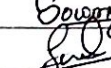
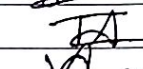
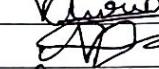
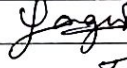

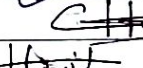
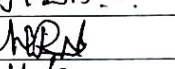
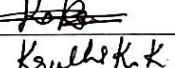
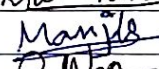
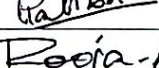
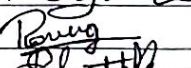
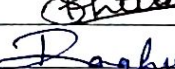




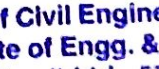





H.O.D.
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PIPE COMPOST TRAINING PROGRAMME, BADAGA YEDAPADAVU, MOODBIDRI

Society Beneficial Programme 2022-23

The following 6th Semester students are involved in Pipe Composting Programme at Badaga Yedapadavu, Moodbidri.

SL. NO.	USN	NAME OF THE STUDENT	SIGN
1	4AL18CV014	MOHAMMED SHAHEER	
2	4AL18CV023	NAMITH	
3	4AL18CV020	IRSHAD	
4	4AL18CV028	OMIN LONCHUNG	
5	4AL18CV029	PRAJWAL D K	
6	4AL18CV040	SHREE ANIL PATIL	
7	4AL18CV048	WANGLEN WAIKHOM	
8	4AL19CV001	ABDUL MUJEEB	
9	4AL19CV002	ADITYA KULKARNI	
10	4AL19CV003	AMEER HUSSAIN	
11	4AL19CV004	ASHISH	
12	4AL19CV005	BHUMIKA Y M	
13	4AL19CV006	BONNY WANGKHEM	
14	4AL19CV007	DHEERAJ S SINDHE	
15	4AL19CV008	DUSHYANTH K V	
16	4AL19CV009	HANAMANT R DODAMANI	
17	4AL19CV010	HANUMESH	
18	4AL19CV011	HRUTHIK M S	
19	4AL19CV012	JENIYA KATH	
20	4AL19CV013	KIRAN.R.MUNDARGI	
21	4AL19CV015	MAILAR MALLESHAPPA	
22	4AL19CV016	MALATESHA M	
23	4AL19CV017	MANOHAR. M	
24	4AL19CV018	MEGHA GL	
25	4AL19CV019	MELLORY THOUDAM	
26	4AL19CV020	ZISHAN CM	
27	4AL19CV021	MONIKA H S	
28	4AL19CV022	MUHAMMAD SAFWAN	
29	4AL19CV023	NALAN JOSH DSOUZA	
30	4AL19CV024	NIHARIKA.N	
31	4AL19CV025	NIPSON YENDREMBAM	
32	4AL19CV026	POOJA. B. P	
33	4AL19CV028	PRAMOD H G	
34	4AL19CV029	PRAVEENAKUMAR	
35	4AL19CV030	R.S.SANOJ	

36	4AL19CV031	RAKSHITH MA	
37	4AL19CV032	SAGAR K	
38	4AL19CV033	SANDEEP B NAIK	
39	4AL19CV034	SANDEEP S PAVAR	
40	4AL19CV035	SANGANAGOUDA N PATIL	
41	4AL19CV036	SANJEEVAKUMAR GANAGER	
42	4AL19CV037	SINDHOORKUMAR N NAIK	
43	4AL19CV038	SOWMYA S NAIK	
44	4AL19CV039	SUHAS R SHETTEPPANAVAR	
45	4AL19CV040	TRUPTHI.A	
46	4AL19CV041	VARUN GOWDA TV	
47	4AL19CV042	VINAYKUMAR R KALAPPANAVAR	
48	4AL19CV043	YOGESH BELGUMPI	
49	4AL19CV044	M KIRANA KUMARA	
50	4AL19CV045	SAGAR K G	
51	4AL20CV0400	CHETHAN M N	
52	4AL20CV0401	HARISH	
53	4AL20CV0402	HARISH P N	
54	4AL20CV0403	KARTHIK BANDAI	
55	4AL20CV0404	KRUTHIK K	
56	4AL20CV0405	MANJULA BASAVANAL	
57	4AL20CV0406	PAVITHRA B T	
58	4AL20CV0407	POOJA B	
59	4AL20CV0408	POOJA SANJAY BALLARI	
60	4AL20CV0409	PRERANA SHETTAR	
61	4AL20CV0410	RAGHU R	



HOD

H.O.D.

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