



Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Department of Biotechnology

A) Summary

1) Title of Programme:		Field Visit to Biogas Plant: Advancing Solid Waste Management & Green Energy		
2) Name of Organizing Department/Unit:		Department of Biotechnology		
3) Name of the Coordinator(s)/ Convener(s)/ Organizer(s) of the Programme:		Principal: Dr Mahadev Gavhane Vice-Principal: Prof. S. N. Shinde Head: Dr. S. S. Kulkarni		
4) Date(s) of the Programme:		17/10/2024		
5) Venue:		Sheduled Cast Sharda Sadan Ashram School, Arvi, Latur.		
6) Target Group:		UG students		
7) Number of Participants:		Male	Female	Total
A separate list with signatures be maintained in the department/Unit)	Teaching	02	00	02
	Non-Teaching	00	00	00
	Students	24	18	42
8) Name(s) and details of Resource Person(s), if any:		Not applicable		
9) Total Expenditure for the Programme:		Not Applicable		
10) Source of Funding:		Not Applicable		

B) Report

I. Title

Field Visit to Biogas Plant: Advancing Solid Waste Management & Green Energy.

II. Introduction

The sole renewable energy source that is created from garbage is biogas. Every country in the world is focussing on clean and renewable energy sources, which are supposed to be environmentally friendly and have no effect on the global climate or greenhouse effect. This is because the problem of waste disposal is sloping upwards due to poor facilities and poor management, as well as a lack of awareness and vision regarding clean and green energy sources. Rajarshi Shahu Mahavidyalaya Latur (Autonomous), Department of Biotechnology, organises a field visit at the Biogas Plant, Sheduled Cast Sharda Sadan Ashram School, Arvi, Latur on October 17, 2024, with the broad goal of promoting the necessity of science and technology interventions to improve and expedite the developmental efforts in the rural areas and clusters so that new sources should be used for sustainable development. The purpose of the thorough survey is to raise awareness among the younger generation about the issues of pollution related to solid waste disposal and its efficient management.

III. Objectives of the Study Visit:-

- To gain awareness of the practical realities and success factors of operating a biogas plant.
- To analyze the current status of waste collection processes and evaluate the technical knowledge involved in biogas production.
- To inspire budding researchers and boost their morale by updating their knowledge on rural development, renewable energy, and its applications.
- To understand the concept of green energy and explore effective waste management practices.
- To observe how biogas plants contribute to waste management and environmental sustainability by reducing landfill waste

IV. Detail of Participants

Total 46 participants (26 Male and 18 Female) participated in the study visit.

V. Brief summary of event/session


Under the capable direction of Vice-principal Prof. Sadashiv Shinde and Hon. Principal Dr. Mahadev Gavhane, the entire field visit program has been developed. It is coordinated by the young, vibrant, and passionate Dr. S. S. Kulkarni, director of the Department of Biotechnology. By supplying the questionnaires for student satisfaction, the comprehensive survey was conducted using the functioning concept and real biogas demonstration. The group of biotechnology students, hosted by Professor A. J. Wagmare and Dr. R. B. Ade, participated.

VI. Conclusion with feedback on the Programme

This field study visit gave the students important information about solid waste management and disposal issues, especially in rural areas, and how they can be used effectively to benefit students and rural residents. It also helped raise awareness about clean energy sources and the central and state government's plans to build biogas plants.

VII. Appendix: List of participants.

Date: 18.10.2024


Head
Head
Department of Biotechnology
Rajarshi Shahu Mahavidyalaya
(Autonomous) Latur-413 531




Principal
PRINCIPAL
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

C) Geotagged Photographs/ Screenshots



Team of Biotechnology with students of Sharda Sadan Ashram School.



Students of Biotechnology adapting the functioning of the Biogas plant



Resource person Mr. Dhavle, demonstrating the mechanism of Biogas plant.



Team leader Dr. R. B. Ade, Prof. Akash Waghmare and Resource person briefing before the actual visit at Biogas plant.

D) Brochure of the Program



शिव चहात्रपती
शिक्षण संस्था
स्थापना - १९७०

Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Department of Biotechnology

Organizes

**FIELD VISIT TO BIOGAS PLANT:
ADVANCING SOLID WASTE MANAGEMENT & GREEN ENERGY**

Date

**17 October
2024**

Venue

Shardasadan Schedule
Cast Aashram School,
Arvi, Latur

Time

10 AM

Dr. Mahadev Gavhane
Principal

Prof. S. N. Shinde
Vice- Principal

Dr. Sachin Kulkarni
Head, Dept. of Biotechnology





Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
Department of Biotechnology

Field visit to Biogas Plant : Advancing Solid Waste Management & Green Energy

Sr. No	Name of the Student	Class	Gender	Sign
1	Balaprasad Tudme	BSC.BTIII	M	
2	Omkar Reddy	BSC.BTIII	M	
3	Rupesh Sanatan	-11-	M	
4	Shinde Kaustubh	-11-	M	
5	Shinde Mahesh	-11-	M	
6	Sandur Vedant	-11-	M	
7	Shinde Rushi	-11-	M	
8	Sayyad Sadik	-11-	M	
9	Shinde Ankita	-11-	F	
10	Shinde Rushikesh	-11-	M	
11	Suryawanshi Gayatri	-11-	F	
12	Shukla Abha	-11-	F	
13	Jarvase Abhishek	-11-	M	
14	Wadkar Anati	-11-	F	
15	Patil vaishnavi	-11-	F	
16	Rathod Dnyaneshwari	-11-	F	
17	Bote sneha	-11-	F	
18	Bolegave Poochita	-11-	F	
19	Kadam Dnyaneshwari	-11-	F	
20	Nirmale sanvi	-11-	F	
21	Kasle Rutuja	-11-	F	
22	Kamble prachi	-11-	F	
23	Kamble Ankita	-11-	F	
24	Bixadar Shubhangi	-11-	F	
25	Khonde sakshi	-11-	F	

Sr. No	Name of the Student	Class	Gender	Sign
26	Vaishnavi Patil	Bsc ^{BT} III rd	Female	<i>Vaish</i>
27	Kospate Ahilya	-11-	F	<i>Ahilya</i>
28	Mayuri dudge	-11-	female	<i>Mayuri</i>
29	Badagane Laxman	-11-	Male	<i>Badagane</i>
30	Dhargude Shubham	-11-	male	<i>Shubham</i>
31	Rushikesh Bukate	-11-	M	<i>Rushikesh</i>
32	Krishna Kordamgire	-11-	M	<i>Krishna</i>
33	Shubham Mohite	-11-	M	<i>Shubham</i>
34	Patil Mayur	-11-	M	<i>Mayur</i>
35	Nalwade Nagesh	-11-	M	<i>Nagesh</i>
36	Dadile Sumit	-11-	M	<i>Sumit</i>
37	Mane Vaibhav	-11-	M	<i>Vaibhav</i>
38	Dhargude Rohan S	Bsc.BT III rd	M	<i>Rohan</i>
39	Biradar Jyotirm f.	-11-	M	<i>Jyotirm</i>
40	Mohite Shubham Anil	-11-	M	<i>Shubham</i>
41	Bukate Rushikesh Raju	-11-	M	<i>Rushikesh</i>
42	Kaustubh Shinde	-11-	M	<i>Kaustubh</i>

[Signature]
Head

Department of Biotechnology
Rajarshi Shahu Mahavidyalaya
(Autonomous) Latur-413 531



[Signature]
Principal
PRINCIPAL
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)