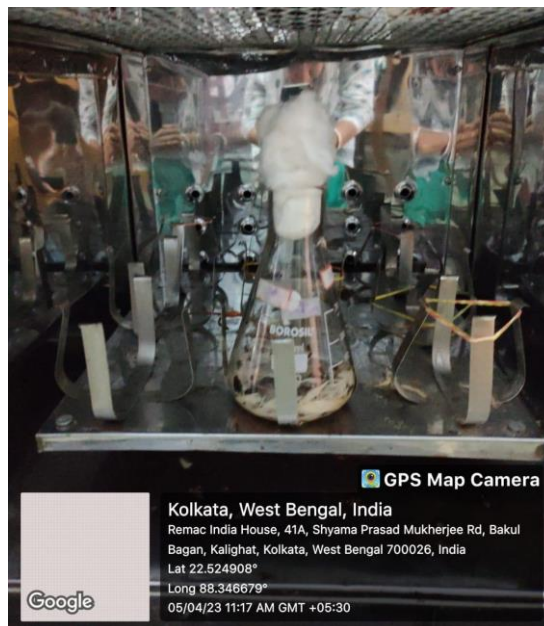


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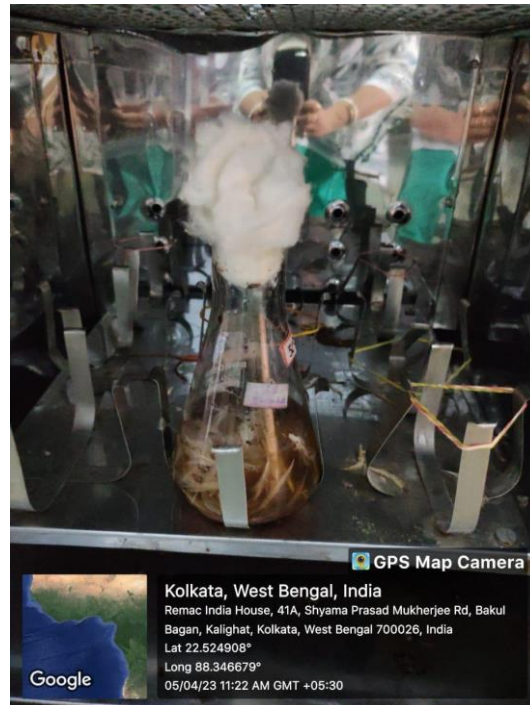
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- 1. Solid Waste Management** - Solid waste management facilities encompass recycling, composting, incineration, and specialized disposal areas to efficiently handle both degradable and non-degradable waste streams while promoting sustainability.



**Solid state fermentation of solid waste**

2. **Liquid Waste Management** - Liquid waste management facilities equipment for safe handling and disposal, addressing both degradable and non-degradable liquid waste streams responsibly

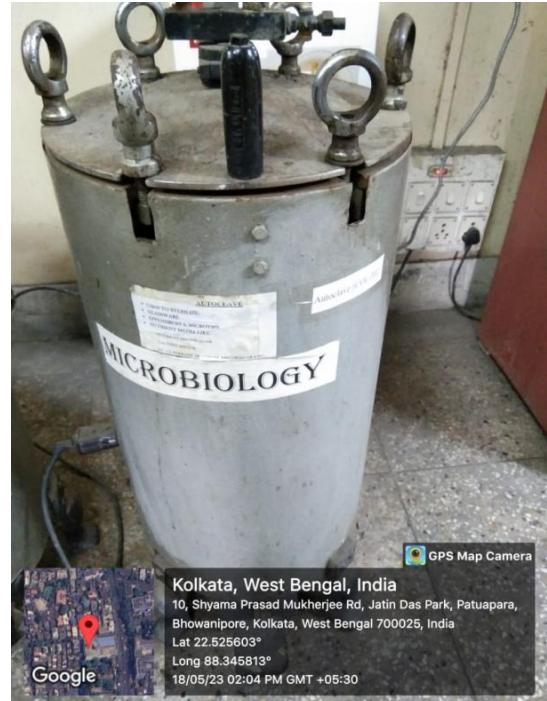


**Submerged fermentation of liquid waste**

**3. Biomedical Waste Management** - Institutional biomedical waste management facilities encompass proper segregation, disinfection, and disposal methods for both degradable and non-degradable biomedical waste, ensuring safety and regulatory compliance.



**Packing of biodegradable waste before decontamination**



**Decontamination of biodegradable waste by autoclaving**



**Disposal of decontaminated wastes in designated bins**

**4. E- Waste Management** - "Institutions implement specialized e-waste management facilities that include collection centers, electronic recycling units, data wiping stations, and secure disposal methods to responsibly handle electronic waste, mitigating environmental and security risks.

**5. Waste Recycling System**

N.A

**6. Hazardous chemicals and radioactive waste management**

N.A

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### Waste Recycling System

- Waste Water Recycling from AC and water filter outlet pipes

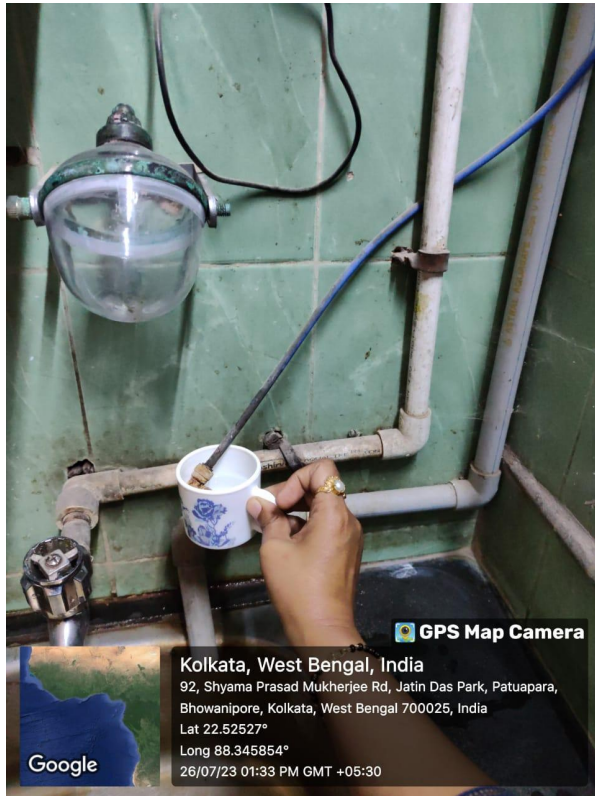
1. Waste water from the outlet pipe of the water filter is collected and microbiologically assayed on to agar plate. The microbial count is recorded to be 10 CFU/ ml, conducted on 24.06.2023



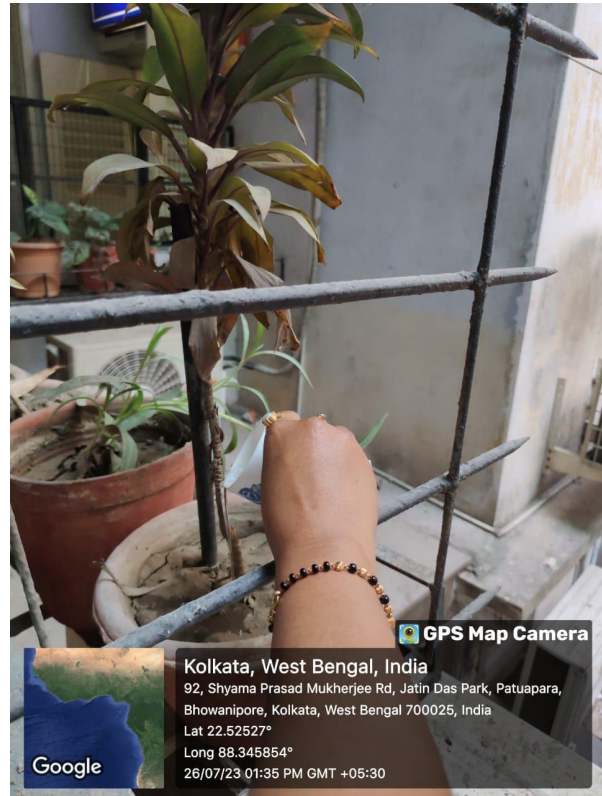
**Fig-1: Microbial analysis of waste water from water filter**

Now the collected water is reused to water potted plants. Waste water is thus recycled and reused in this set up.

**Fig - 2A:**  
**Collection of waste water from water filter outlet pipe**



**Fig – 2B:**  
**Utilization of waste water from water filter outlet pipe**



2. Wastewater is collected from AC outlet pipes. This water is microbiological assayed onto agar plate and microbial count is recorded to be 86 CFU/ ml, conducted on 24.06.23.



**Fig-3: Microbial analysis of waste water from AC outlet**

Now the collected water is reused to water potted plants. Waste water is thus recycled and reused in this set up.

Fig - 4A:  
Collection of waste water from AC outlet

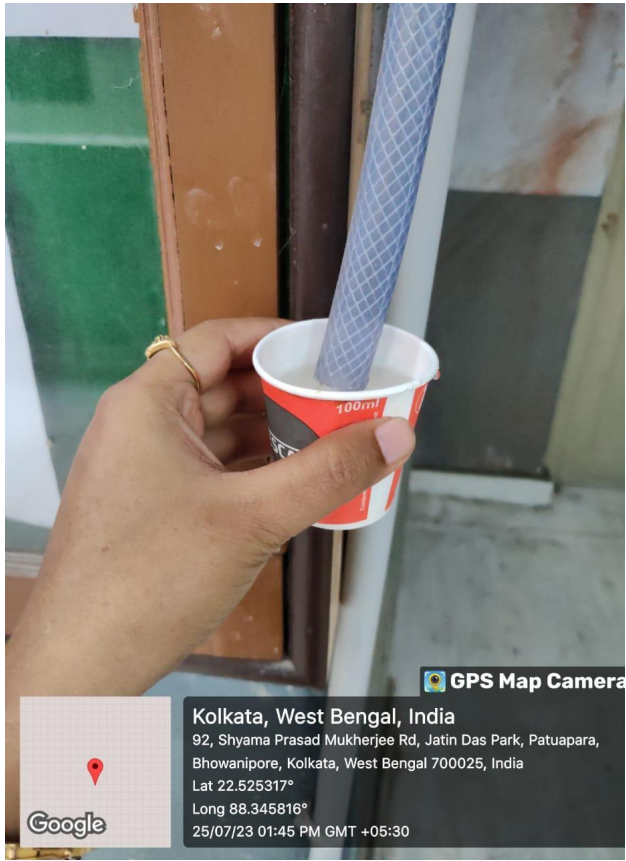
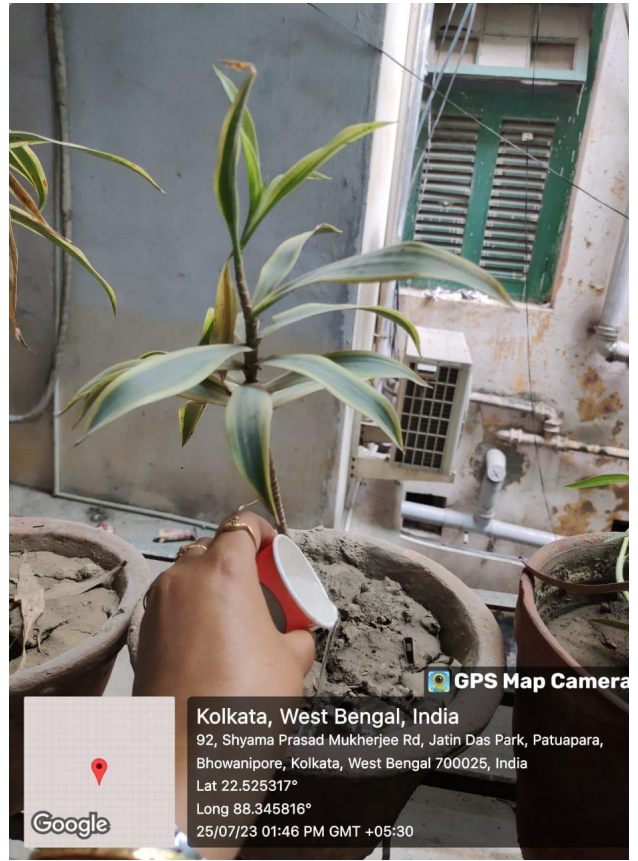


Fig – 4B:  
Utilization of waste water AC outlet



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- **TITLE:** MOU execution under Lab waste management
- **THEME OF THE EVENT/ PROGRAMME:**Asutosh College made and executed a Memorandum of Understanding (hereinafter called “MOU”) with **M/s. Redivivus Recyclers Private Limited**, a company incorporated under the provisions of the Companies Act, 1956 has its registered office at **11, Allenby Road, Kolkata 700020**. The principal of the college, Dr. Manas Kabi, and Mr. Pronov Goelon behalf of the company(hereinafter referred to as ‘Vital Waste’) are the authorized members for the institution and the company respectively.
- **ACADEMIC SESSION:**2022-2023
- **DATE:**8<sup>th</sup> May 2023
- **VENUE:**Principal’s room, Asutosh College
- **OBJECTIVE/ PURPOSE:**i) Laboratory waste by segregation
  - i) Lab waste collection
  - iii) Off-site recycling
- **SPEAKER/S / RESOURCE PERSON/S:**NA
- **TARGET AUDIENCE/ PARTICIPANTS:**NA
- **ATTENDANCE SHEET:**NA
- **BRIEF REPORT ABOUT THE EVENT/ PROGRAMME:**‘Vital Waste’, our company partner is engaged in providing Recycling and Waste Management services for dry recyclables such as Paper, Cardboard, Plastic, Metal and E-waste in India. They will supply waste bins with marked colours whenever needed. They will collect all sorts of E-waste, paper waste, chemicals as well as biological and bio-medical wastes from different departments of our institution.
- **EXPECTED OUTCOME:**
  - i) Maintenance of good lab waste management practices among students
  - ii) Protect the safety of all members who are using labs

- iii) Keep the health of students and others well and secure by providing hygiene in the laboratories
- iv) Maintain the neatness of the laboratories for smooth conduction of research practises.

➤ **GEO-TAGGED PHOTOGRAPHS:**



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