7.1.3- Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste solid waste management Liquid waste management Biomedical waste management E-waste management for the Academic Year 2023-2024



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## **POLICY DOCUMENT ON**

DEGRADABLE AND NON-DEGRADABLE WASTE

### **INDEX**

### Management of the Different Types of Degradable and Non-Degradable

### Waste

Particulars				
Policy Document				
Geotaged Photographs				
e-Waste Management MOU				
Circulars				
	Policy Document  Geotaged Photographs  e-Waste Management MOU			



## POLICY ON WASTE MANAGEMENT

This institute has successfully implemented a comprehensive and well-developed waste management system, significantly enhancing its efficiency and sustainability. The following waste management practices have been adopted:

- Solid Waste Management: Efficient systems for the segregation, collection, and disposal of non-hazardous waste materials, including paper, plastics, and organic waste, ensuring minimal environmental impact.
- Liquid Waste Management: Proper disposal and treatment processes for liquid wastes, such as wastewater and chemicals, to prevent contamination of water sources and promote water conservation.
- Biomedical Waste Management: Strict protocols for handling, storing, and disposing of biomedical waste to avoid contamination and ensure compliance with health and safety standards.
- E-Waste Management: A system for collecting and recycling electronic waste, including old computers, phones, and electrical appliances, to reduce environmental harm and recover valuable materials.





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- 5. Waste Recycling System: An effective recycling process that involves sorting and reprocessing materials like paper, plastic, and glass to reduce the consumption of raw materials and lower waste generation.
- 6. Hazardous Chemicals Management: Safety measures for the proper storage, handling, and disposal of hazardous chemicals to prevent accidents and protect both human health and the environment. These systems contribute to the institute's overall goal of sustainability and environmental stewardship, promoting resource conservation and minimizing waste generation across various waste categories.

Signature of Principal

Principal

Vaagdevi College of Pharmacy

Hanamkonda, Warangal-506 001

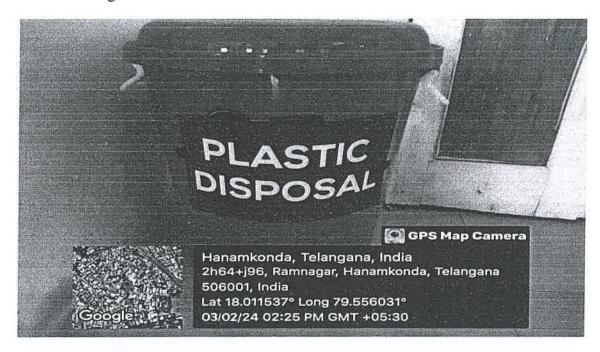




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### 1) Solid Waste Management

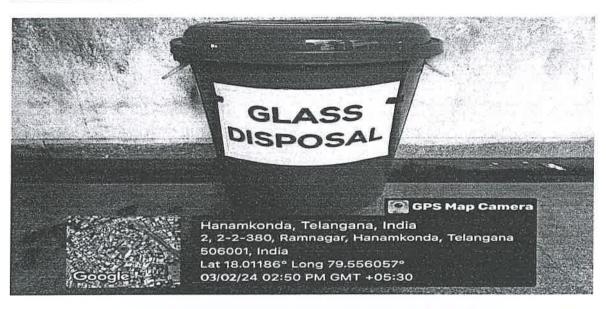
To manage solid waste efficiently, garbage bins have been placed across various departments for the collection of biodegradable and non-biodegradable waste from multiple sources. The Greater Warangal Municipal Corporation (GWMC) handles the disposal of the waste on a daily basis. The institution ensures that the waste is properly segregated at the source, and the segregated waste is disposed of responsibly. This approach helps in promoting sustainability and maintaining cleanliness in the institution.

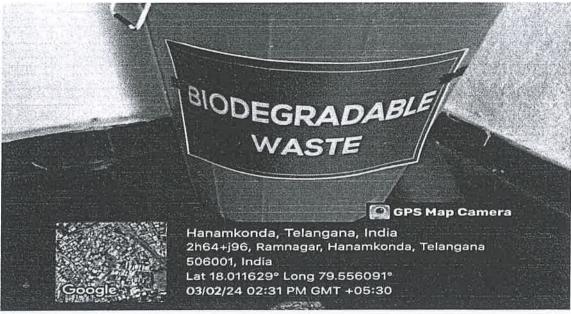






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Ramnagar Dist. Hanumakonda- 506001. (T.S)

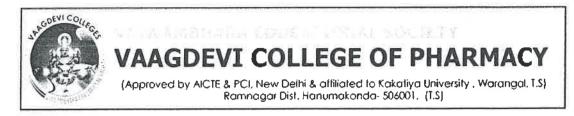


### Compost

The campus has a well-organized composting system that benefits both waste disposal and gardening. Here's how this system works:

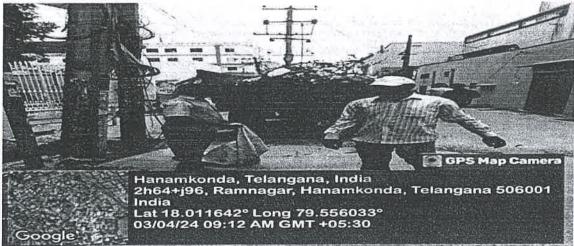
- Composting Pit: The composting pit is a designated area where plant waste (like leaves, branches, and grass clippings) and food scraps are collected. The composting process involves the breakdown of organic materials by microorganisms, turning them into nutrient-rich compost.
- Waste Disposal: Plant and food waste are disposed of in the compost pit. This helps
  reduce the amount of organic waste going to landfills and minimizes waste-related
  pollution.





3. Compost for Fertilizer: Once the organic waste has broken down and transformed into compost, it is used as a natural fertilizer for the campus's plant gardens. This compost enriches the soil, providing essential nutrients that promote healthy plant growth. It's a sustainable cycle where waste is reused to nourish new plant life.





GWMC workers collecting the non biodegradable waste





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Personal Conscionarional Process in the

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Greater Warangal Municipal Corporation 86086 506586 के 105705

CNo.2/F1/20047/2024

Dated: 06-05-2024

e-Office Computer No: 120942

#### NO OBJECTION/SANITARY CERTIFICATE

This is to certify that, on the basis of the inspection report of the Sanitary Inspector concerned, Greater Warangal Municipal Corporation the building premises bearing Municipal H.EO 2-2-457/3, KISHANPORA, HANAMKONDA, WARANGAL locality in which the applicant/Management proposed to run VAAGDEVI COLLEGE OF PHARMACY for the year 2023-2024 is well ventilated with sufficient doors and winages with lighting provided with lavatories and Urinala, and Good water supply and accommodation of class rooms with sufficient space for the students duly white washed having open place within the above building premises for play ground etc., as per Sanitary conditions in the acid building.

The No objection/Sanitary certificate issued subject to the conditions, if any legal dispute found in the future sanitation certificate will be cancelled without notice to the applicant/Management.

To,
The Secretary / Correspondent/Principal
VAAGDEVI COLLEGE OF PHARMACY,
H.NO 2-2-457/3, KISHANPURA,
HANAMKONDA, WARANGAL,

Digitally signed by BOMMAN RAJAREDDY Dale:Men Aug 16 16:28:03 IST 921 960n:Approved



Principal
Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001





### 2) Liquid Waste Management

A comprehensive water management and waste disposal system aimed at preserving hygiene, promoting sustainable practices, and ensuring the safe treatment of various waste streams. Here's a breakdown of the key elements of this system:

- Regular Cleaning of Sewage Lines: The sewage lines are cleaned and bleached regularly to maintain hygiene. This practice helps in preventing blockages, controlling odors, and ensuring the smooth flow of wastewater.
- 2. Proper Disposal of Laboratory Liquids: Laboratory liquids are carefully managed to avoid improper disposal into trash or storm drains. Ensuring that these liquids are not disposed of irresponsibly is crucial for environmental protection, as harmful chemicals can contaminate soil and water sources.
- 3. Monitoring Discharge into Sewage Lines: Any liquid discharge from laboratories into sewage lines is closely monitored to ensure that no dangerous compounds escape into the pipes. This step is vital for protecting the water treatment system and the environment from contamination by hazardous substances.
- 4. Use of Wastewater for Gardening: Wastewater is utilized for gardening purposes, which is an excellent way to recycle water and reduce the need for fresh water for irrigation. Using treated wastewater in this manner promotes sustainability and helps conserve potable water.





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#### **RO Plant**



Liquid Waste Management



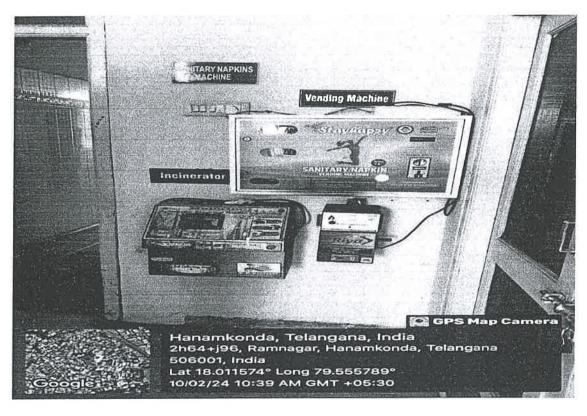




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### iii) Biomedical Waste Management

Biomedical waste is obtained from anatomy, pharmacology and microbiology laboratories, in the form of animals, blood, used cotton swabs, syringes, needles and animals used for experimental purpose is packed in bags. Microbiological media is effectively sterilized by autoclaving method.



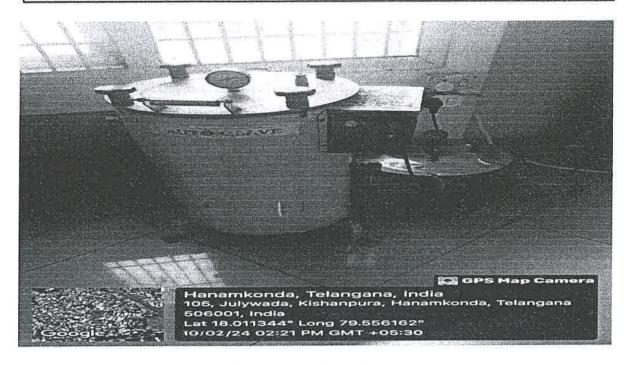
Sanitary Napkins and Sanitary Vending Machine







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#### **Biomedical waste Disposal**









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# KAKATIYA MEDICLEAN SERVICES COMMON BIO-MEDICAL WASTE TREATMENT AND DISPOSAL FACILITY

COMMON BIO-MEDICAL WASTE TREATMENT AND DISPOSAL FACILITY (Authorised by Telangana State Pallution Central Board) # 1-7-600/1, Behind Subedari Post Office, Hanamkonda, Warangal - 506 001, T.S.

## Service Certificate

This is to certify that

## Mrs. Vaagdevi College of Pharmacy

#2-2-457/3, Rammagar

### Hanamkonda

is a member of our

Common Bio-medical Waste Treatment Facility

Validity:

31st DECEMBER 2024

Principal
Vasgdevl College of Pharmacy
Hanamkonda, Warangal-506 001

CHANDRA MOHAN GADIPELLI
Authorised Signatory

- · Update your authorization from T.S. Pollution Control Board before it expires
- \* For more information visit us at : https://www.kakatiyamediclean.com or call to 0870-2510975
- For any suggestions/clarifications mail us: services@kakatiyamediclean.com

We committed to healthy environment for safe disposal of Bio-medical waste





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## iv) e-Waste Management and Waste Recycling System

Defective electronic devices are repaired to guarantee that they can be utilized further. Ewaste is safely disposed in collaboration with planet solutions, hanamkonda as per the state government guidelines.





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## PLANETSOLUTIONS

#2-2-400,OPP MAYURI MALL I, KISBANPURA,MAIN ROAD,HANAMKONOA,WARANGAL 466901 PHONE, 0870-2455551, 8686522233, 9704480006 GST NO:36AAKPE9014C1Z2

#### MEMORANDUM OF UNDERSTANDING

This memorandum of understanding is made and executed on 15/06/2023 at Hanamkonda

BY AND BETWEEN

Vaagdevi College of Pharmacy, Hanainkonda, Warangal 506001 it's administrators, assign and successors represented by HOD/Principal, who duly authorized to sign and execute the MOU.

#### Being the First Part AND

Planet Solutions, having its principal office situated at Hanamkonda, Warangal, 506001 and represented by Mr Srinivas Emula Chief Operations Manager

#### Being the Second Part

Whereas Vaagdevi Colleges of Pharmacy has agreed to collect the give away the dry recyclable waste including any kind of paper waste, metal waste, plastic waste &E- waste generated in its college.

#### NOW THIS MOU WITNESSTH AS UNDER

This is an agreement for a synergic alliance between Vaagdevi College of Pharmacy & Planct Solution for the social causes of recycling of dry waste and environment protection through recycling

This MOU shall be for a period of three years commencing from the date of signing of this MOU ROLES AND RESPONSIBILITIES OF VAAGDEVI COLLEGE OF PHARMACY

- 1. To ensure source segregation of dry and wet waste at college premises through its Teaching staff, housekeeping staff and students.
- Vaagdevi College of Pharmacy will give away any kind of paper waste (white papers records news paper, cotton boxes etc) metal waste, plastic waste, and e-waste.
- Vangdevi College of Pharmacy shall motivate students to bring recyclable like paper, plastic, metal etc from their home and contribute to plants solution.
- Vaagdevi College of Pharmacy will put up colour coded bins for waste segregation at different points in college premises.





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#### Execution of this agreement shall be deemed to be

a) A confirmation by both the parties that no benefit either in cash or kind has been provided by either party to the other party or to any officer or employee or any relative/ associate of any officer or employee or of either party or of any of their associate institutions/ companies in order to enter into this agreement, and

b) An under taking by both the parties not to provided any benefit either in cash are kind to any officer/ employee /relative /associate of any officer or employee of either party as reward or consideration either for entering into this MOU or other matter relating to this agreement.

#### Other terms

Force majeure: Neither party shall be liable for damages for any delay or failure to perform
its obligations here under, if such a delay or failure is due to reasons beyond the control of the
concerned party including without limitation, strikes, riots, wars, fires, epidemic, quarantine
restrictions, unusually severe weather, earth quakes, explanation, acts of God or state or any
public enemy or acts mandated by applicable laws, regulation or order, whether valid or
invalid of any Governmental body.

2. Dispute resolution: It is understood by both the parties that this agreement is for social causes and not to make any profit out of the understanding. The parties covenant that they will complete with all applicable laws and regulations in their conduct pursuant to this agreement any dispute arising out of this agreement shell be first attempted to settle amicably between the parties.

3. Arbitration: Any dispute which is not resolved amicably shall be finally settled by binding arbitration in respect to the matters concerning to the MOU with the soul arbitrator to be appointed by the mutual consent of both the parties. The parties agree that the decision or award resulting from Arbitration shall be final and binding upon the parties. Pending the submission of and / or decision on a dispute, the parties shall continue to perform their respective obligation under the agreement without prejudice to a final adjustment in accordance with such arbitration award.

4. Governing and jurisdiction: This Agreement is subjected to the jurisdiction of courts at Warangal. Both the parties shall agree that it will not make use of disseminate, or in any way disclose any confidential information to any person, firm or business, further more the existence of any discussions, negotiations or agreement in progress between the party shall not be released to any form of public media without written approval of both parties.

5. Amendments: This agreement and schedules together continue a complete and exclusive understanding of the terms of the agreement between the parties on the subject here of and no amendment or modification here to shall be valid and effective unless agreed to by all the parties here to and evidence in writing.





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#### Rules and responsibilities of planet solutions:-

- Planet Solution will collected dry recyclable waste and old records from college and bring to the facility without any spillage.
- Planet Solution will organize sorting of the dry waste into different categories baling, and appropriate disposal of dry waste.
- Planet Solution shall under take necessary measure for dispatch of the sorted recyclable for recycling at its own cost.
- Planet Solution on the request of work Vaagdevi College of Pharmacy may give New A4 paper sheets, Notebooks and Stationery against the value of dry recycling waste lifted.
   Performance of Obligations
- The details of laid out this MOU, not with standing the essence and spirit of this MOU
  understands between Vaagdevi College of Pharmacy and Planet Solutions.
- 2. Any notice are other communication under or in connection with this agreement shall be in writing in the English language and shall be delivered personally or sent by way of e-mail to the party due to receive the notice or communication at its address set out in this contract or such other address as party may specify by notice in writing to other.

#### ADDRESS FOR COMMUNICATION:-

Following are the address- to which all notices shell be sent

Planet Solutions

**Vaagdevi College of Pharmacy** 

Kishanpura, Hanamkonda, Warangal

Hanamkonda, Warangal

Telangana- 5060001

Telangana-5060001

Phone 8686522233

email ID: aishplanet@gmail.com







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#### NOTICE/ termination:

Any notice required to be given here under shall be given in writing at the address of each party set forth as below in this agreement or to such other address either party may substitute by written notice to the other. Either party may terminate this agreement by given 30 days written notice to the other party.

In witness where of the parties is here to have signed this agreement on the day month and year mentioned here in before

For Vaagdevi College of Pharmacy

For Planet Solutions

Vrincipal Vaagdevi College of Pharmacy Harkinoinal, Waranoal-506 001

Vaaydevi College of Pharmacy Hanamkonda, Warangal- 5060001 Telangana

Witness

1.

E. Srinivas

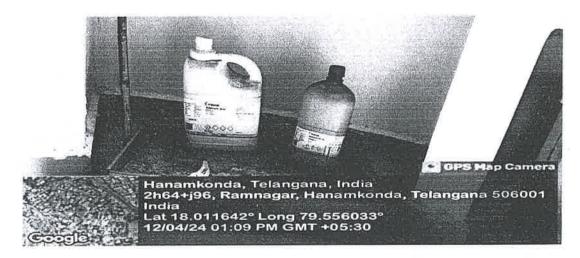
Chief Operations Manager







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VASSIAMBHARA LODICATIONAL SOCIETY



Hazardous Chemicals and Radioactive Managements Disposal

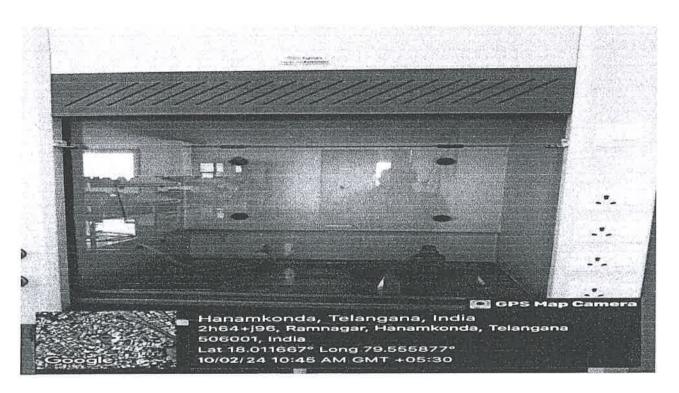






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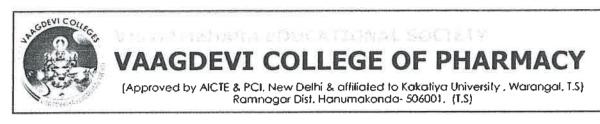
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**Fuming Cup Board** 







Date: 21-7-2023

#### CIRCULAR

This is to inform all the students and staffs is encouraged to dispose waste and e-waste material in allotted assigned colour coded dustbins to keep the college campus Clean and Green.

Note: 1) Red Colour-Plastic waste/e-waste

- 2) Blue Colour-Glass waste
- 3) Green Colour-Biodegradable
- 4) Yellow Coloured -Bio waste

Signature of Principal

Principal

Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001





MELPITRA EDUCATIONAL SOCIETY

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Date: 26-02-2024

#### **CIRCULAR**

This is to inform all the students and staffs is encouraged to dispose waste and e-waste material in allotted assigned colour coded dustbins to keep the college campus Clean and Green.

Note: 1) Red Colour-Plastic waste/e-waste

- 2) Blue Colour-Glass waste
- 3) Green Colour-Biodegradable
- 4) Yellow Coloured -Bio waste

Signature of Principal

Principal
Vaagdevi College of Pharmacy
Hanamkonda Warangal-506 001

