

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION'S ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY



Approved by: Pharmacy Council of India, New Delhi &

Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai.

Accredited by NAAC "A" Grade and ISO Certified

Ethirmediu, B. Komarapalayam - 638183, Namakkal Dist. Tamilnadu, India.

Website: www.jkkmmrfpharmacy.edu.in / e.mail : principal@jkkmmrfpharmacy.edu.in

Contact No : +919789456750, +919943066944, +919943069944

**Dr. N. SENTHILKUMAR, Ph.D.,
Principal**

7.1.3 E waste management agreement

भारतीय नैऋत्यायिक
वीर रुपये
रु.20
INDIA

Rs.20
TWENTY
RUPEES
INDIA NON JUDICIAL

தமிழ்நாடு தமில்நாடு TAMIL NADU
83AB 061263
U. Manoharan

**MEMORANDUM OF UNDERSTANDING
(E-waste Management Services Agreement)**

This agreement is entered into between JKKMRF's - Annai JKK Sampoarani Ammal College of Pharmacy, Komarapalayam, Namakkal, Tamil Nadu and Ms. ARETHA INFOTECH for the management and dismantling / disposal of all our e-waste in order to protect campus, and to conserve our nature and human resources As part of the agreement Ms. ARETHA INFOTECH will collect all our E-waste generated from JKKMRF's - Annai JKK Sampoarani Ammal College of Pharmacy, Komarapalayam, Namakkal, Tamil Nadu Campus and dispose the same This agreement is for a period of 5 years after the expiry of five years the agreement shall either be renewed or enter into new agreement with ARETHA INFOTECH or any other third party service provider.

Dr. N. SENTHILKUMAR,
PRINCIPAL,
JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 638 183,
NAMAKKAL DISTRICT, TAMILNADU.

ARETHA INFOTECH
R. K. K. K.



**Dr. N. SENTHILKUMAR,
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In this contract the term "e-waste" is defined as electrical and electronic equipment, whole or in part discarded as waste that have become essentially reached the end of their useful life.


E-waste also contains toxic and hazardous materials in our computer and other pharmacy laboratory chemicals including mercury, lead, cadmium, beryllium, chromium, and chemical flame retardants, and other lab related items which have the potential to leach into our soil and water. It also includes the items used in all labs of the college.

For the purpose of this Agreement, the term "Waste Material" shall mean any and all electrical, electronic and hazardous waste material. To this agreement, the term "Hazardous Material" shall mean any and all hazardous material (storage devices, acids and chemicals) used in our laboratories for student's practical purpose.

To this agreement, the term "Waste Management Services" is the services that are provided by contractor ARETHA INFOTECH as directed by JKKMMRF's - Annai JKK Sampoarani Ammal College of Pharmacy, including the handling. The charges as agreed between both the parties will be applicable.

Mutually agreed between JKKMMRF's - Annai JKK Sampoarani Ammal College of Pharmacy and Ms. ARETHA INFOTECH, from 01-08-2022.

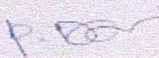
On Behalf of

1. 
Dr. N. SENTHILKUMAR,
PRINCIPAL,
JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY,
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2. For ARETHA INFOTECH

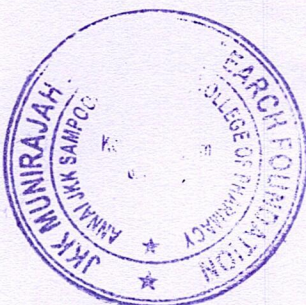

R. Rajesh
Partner

Witness: 1


P. DHAKSHINAMOORTHI
30 L. PERUMAL, 10TH NORTH STREET
BHUVANI, ERODE (635)

Witness: 2


[P. JONES BENJAMIN]
30 J. STANLEY SATHYAKUMAR
123/B, VARNAPURAM, BHUVANI, ERODE.




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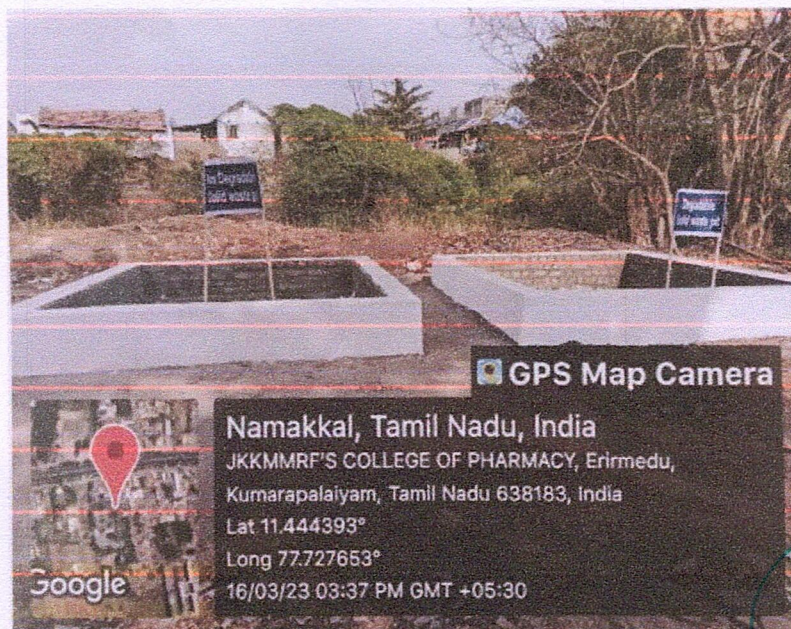
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Collection and disposal of all Degradable and Non- degradable Solid Waste has been stored in 4m x 4m pit in college campus.



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Different colored bins have been provided across the campus for collection of the solid waste generated at different sources in college. These bins are color coded specific to a category of solid waste:



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Green bin - Biodegradable, organic waste like cooked food, vegetables, fruit etc.

Blue bin - Recyclable waste like paper, cartons, cans, metallic

Red bin – non-degradable waste like metals e-waste etc.



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In order to dispose of acids and harmful bases properly neutralized or diluted and then disposed of in the college campus charcoal pit



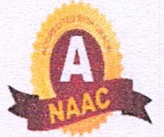
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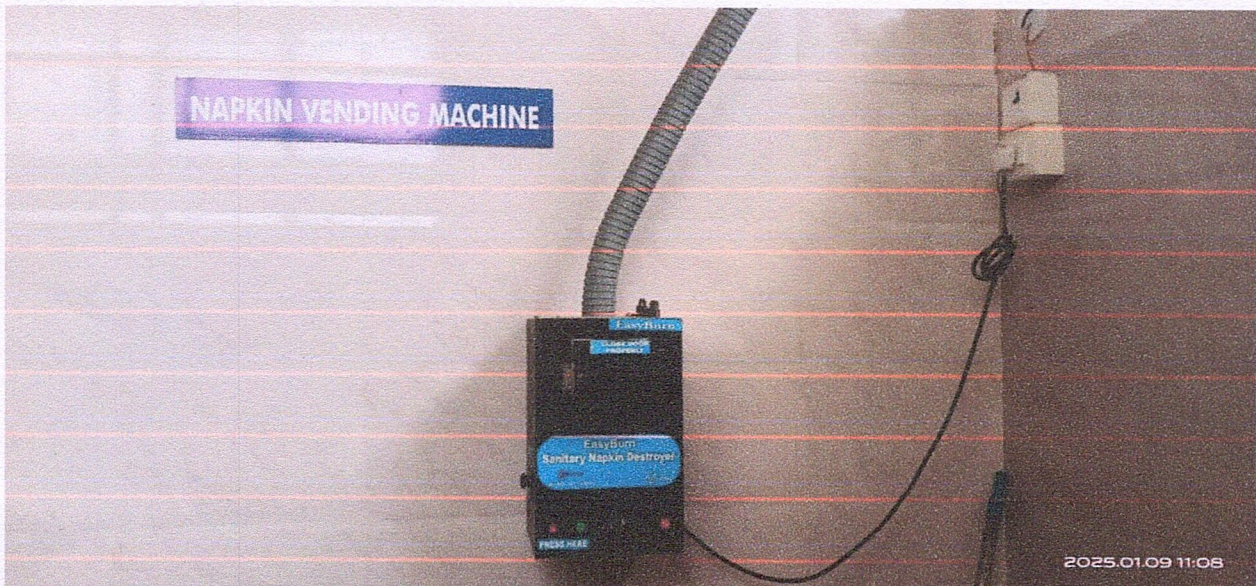
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We have a separate chamber dedicated to incinerators for our Bio-Waste management system.

The disposal of biological waste at our institute is handled by our own incinerator. In addition to that, our biowaste management system includes an incinerator for sanitary napkins and other sanitary waste.



INCINERATOR ROOM




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WASTE MANAGEMENT STEPS

Degradable and non-degradable Policy Document

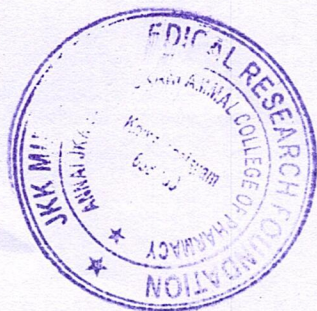
Effective waste management through efficient disposal or recycling is an important process for any organization as it impacts the health and environment of not only those who work and live on campus, but also those in the surrounding community. Therefore, providing a healthy and safe environment is our top priority.


E - Waste Management

E-waste from labs is properly collected and is given to the licensed recycler, reused wherever possible, donated, and sold if possible. Non-working computers, monitors, and printers are discarded and scrapped on a systematic basis. Some parts useful for other systems are kept aside for future use. Students are also imparted awareness and education about E- Waste.

Solid Waste Management:

Routine solid waste is daily collected in dustbins at different locations, which are emptied in movable containers and carts, after segregating into different types of bios and non-bio degradable waste and taken to the dumping yard.




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A) Biodegradable Solid Waste

In JKKMMRF's Solid waste management is accomplished either by consumption or by outsourcing its collection and disposal to a Village panchayat. Over 20 bins have been provided across the campus for collection of the solid waste generated at different sources in college. These bins are color coded specific to a category of solid waste:

Green bin - Biodegradable, organic waste like cooked food, vegetables, fruit etc.

Blue bin - Recyclable waste like paper, cartons, cans, metallic items, etc. The non-toxic, biodegradable waste is collected and used for making compost through the Vermicompost process for which pits of size 4m X 4 m have been made in the campus. It takes 6-8 days for a pit to fill and 45 days to convert the biodegradable waste into V vermicompost. The Vermicompost is used in nurseries, agriculture farms, and for research purposes.

B) Non- Biodegradable Solid Waste collection

Collection and disposal of all Non- Biodegradable Solid Waste has been stored in 4m * 4m non-Biodegradable pit in college campus. The college has tied up with the local municipal.



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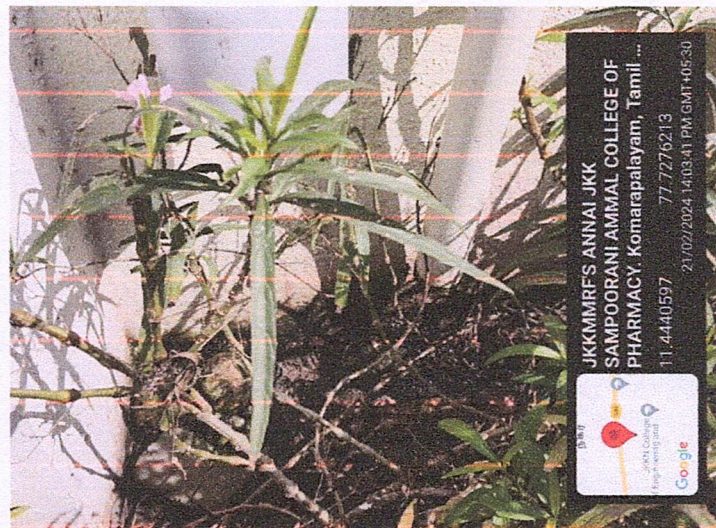
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RO WASTE WATER UTILISED TO GARDEN



[Signature]
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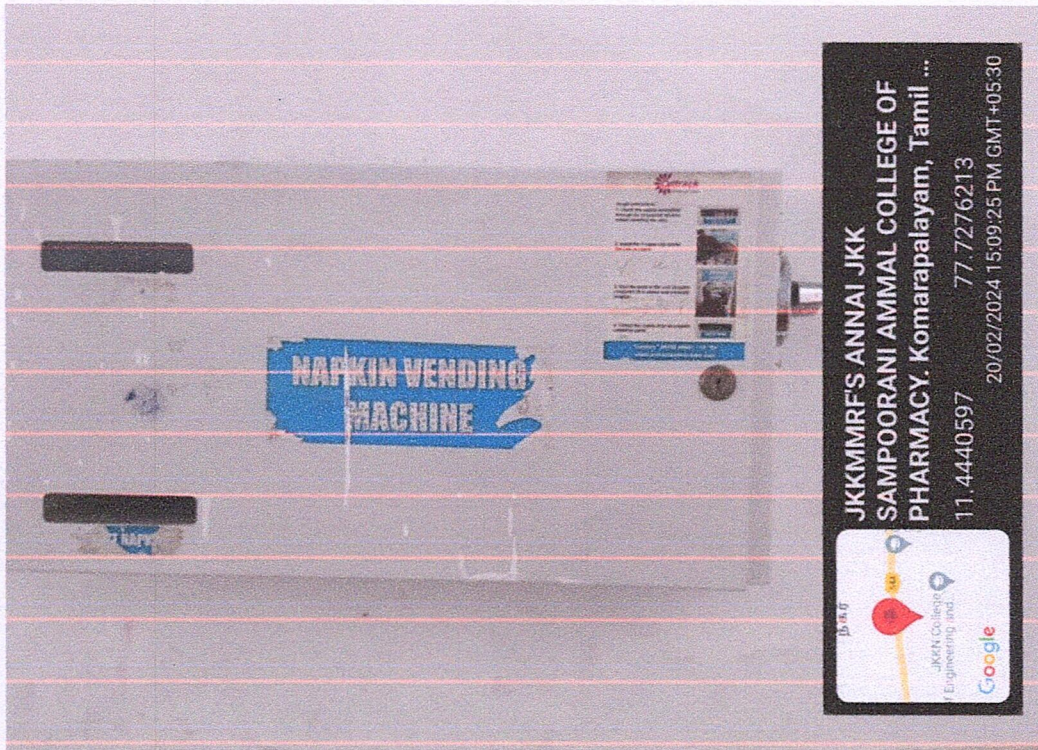
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Sanitary Napkin Vending machine and napkin Incinerator Women's rest room and Women's Hostel



Sanitary Napkin Vending machine



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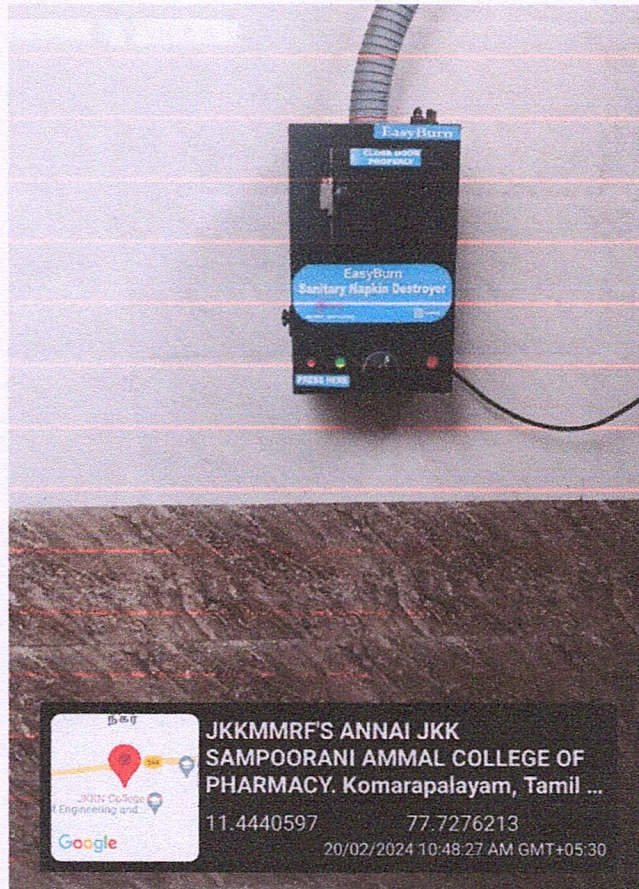
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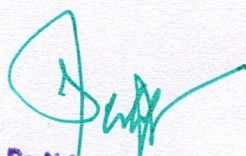
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Sanitary Napkin Incinerator




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WASTE MANAGEMENT POLICY

Waste management policy articulates promise to reduce its environmental impacts through effective waste management and sustainable practices in converting waste to resources,

The campus strives to realize sustainable and holistic waste management essential and reducing its foot print and providing a safe and healthy work environment for teaching and non-teaching employees, students, visitors and stake holders.

Committed for obtaining a Zero waste plan thus obtaining its ecofriendly status through the policy of reduce, reuse, and recycle.

Recycling and reuse - the recyclable material like plastic, metals, paper and other shall be handled over to the external agencies.

Avoiding and minimizing the generation of waste- organizing awareness program for waste management through various club activities.

Segregation of solid waste-degradable and non-degradable wastes are suggested to handle over separately segregated into different types of degradable and non-degradable waste and taken to the dumping yard.

Reducing paper waste through relying more electronic devices at all levels including governance, examinations, admission, and finance. E-governance shall be ensured to implement innovate strategies and these by reduce paper waste in the campus

Reduce E-Waste to maximum with proper maintenance before moving on to replace and recycle.

The campus is provided into training on legislation, hazardous, compliance and the policy by conducting waste management awareness programmer throughout the year. All the students, faculty, staff members and stake holders are made aware of the policy.



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