



MANAGEMENT OF THE VARIOUS TYPES OF DEGRADABLE AND NON-DEGRADABLE WASTE.

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Pollution from waste is aesthetically unpleasant and results in a large amount of litter. Solid Wastes, which may cause severe health problems, can be categorized into three types, Biodegradable, Non-Biodegradable and Hazard Waste. Biodegradable waste includes food waste, Hostel waste and waste from toilets etc. Non-Biodegradable waste includes plastic, tin, glass, bottle etc. and Hazard waste that is likely to be a threat to the health of the environment like, cleaning chemical and different laboratory related Chemical Products. Being an educational institution, the college does not generate any hazardous waste. The vegetable waste from the Hostel is disposed of regularly to keep the campus clean. However, waste is generated by all sorts of routine activities carried out in the College that includes paper, plastics, glass, metals, foods, etc. The college believes its utmost responsibility to remove all waste not only for the safety of the students but also not to harm the environment. Adequate number of trash cans and dust bins are placed all over the campus. The collected waste is disposed-off with the help of Municipal Corporation on a daily basis. Waste generated in the college is segregated using different coloured (Blue, Green, Red) dustbins placed in the premises. e-waste generated from various departments which cannot be reused or recycled is being disposed off centrally through certified eco-friendly vendors. Instead of buying a new machine, a buyback option is taken for technology upgrade. Any damages or reductions in capacity are set right by repairs. In addition, the college has emphasis on minimum paper usage to save carbon emission in printers. e-waste is given to registered vendors, with an undertaking that the same will be processed or recycled in an environmentally sound manner as per the guidelines of Government of India. The e-waste includes a wide range of electronic and electrical items such as computers, printers, keyboards etc. Electronic machines and goods are put to optimum use. The institute takes efforts to minimize e-waste by repairing the computer peripheral and electronic components.




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SEGREGATION OF WASTE



Figure: Collection of Dry waste by the municipal Corporation



Figure: Segregation of waste through different dustbins



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NAPKIN INCINERATOR



Figure: Napkin Incinerator




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BIO-GAS PLANT

In Aalim Muhammed Salegh College of Engineering, Hostel kitchen wastages are used to generate thermal energy for cooking. The bio-gas produced from food waste, decomposable organic material and kitchen waste, consists of methane and a little amount of carbon dioxide is used as an alternative fuel for cooking gas (LPG). Day to day kitchen wastes are sent for processing, where the Kitchen waste is processed and produces Bio-Gas. Eco-friendly technology allows for the production of renewable natural gas in the form of bio-methane. The facility processes about 0.5kg of Bio-gas from kitchen waste every day and the Gas Volume produced is about 1.5 cubic m/ day.



Figure: The Bio-Gas plant Setup installed in the campus

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VERMICOMPOST



Figure: Vermicompost yard



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Figure: Vermi compost




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e-waste is collected from Laboratories like, circuit Boards, desktops, laptops and accessories, printer, charging and network cables, Wi-Fi devices, cartridges, sound systems, display units etc., which cannot be utilized are kept in a secluded storage room. The e-waste is disposed through the MoU with an authorized e-waste recycler, when a considerable amount is generated.



Figure: Collected e-waste stored in storage for recycling



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Quotation Of E-Waste

To
The Principal
Aalim Muhammed Salegh College of Engineering,
IAF Avadi,
Chennai-600055.

Respected Sir,

I would like to inform you that E-Waste will collectable as from your institution by us and will be sent REEDUB E-Waste Management for effective disposal as per the norms. Tri tech system is the authorized company for the effective disposal of E-Waste. For further clarification, kindly contact us.

S.No	Item(Not working)	Quantity (per Kg)	Price (Rs)
1	CPU Full set	1	200
2	CPU W/O HDD	1	125
3	Empty Cabinet	1	25
4	Mother board	1	80
5	Hard Drive (HDD)	1	50
6	CRT Monitor	1	75
7	LCD Monitor	1	30
8	SMPS	1	20
9	Printers	1	30
10	key Board & Mouse	1	12
11	Projector	1	150
12	7AH Battery	1	90
13	UPS W/O Battery	1	30
14	Laptop	1	150
15	Cables	1	18
16	Stabilizers	1	70
17	Mobile Phone	1	20
18	RAM	1	5
19	DVD Writer	1	5
20	Floppy Drive	1	5

Avadi, Tamil Nadu, India
43x5+22w Aalim Muhammed Salegh College Of Engineering,
Muthapudupet, Avadi, Tamil Nadu 600055, India
Lat 13.147492° Long 80.057679°
02/11/24 05:32 PM GMT +05:30

Figure: e-Waste Disposal Quotation



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e-Waste Collection in Computer Laboratories

S.No.	Item list	Nos
1.	CRT Monitor	85
2.	LCD Monitor	76
3.	P4 CPU Cabinet	82
4.	Hard Disc	74
5.	Mother Board	72
6.	SMPS	25
7.	Scanner	5
8.	Writer	4
9.	Mouse & Keyboard	50
10.	Printer	4
11.	24 port 10/100 Switch	6
12.	8 port Switch	10

[Signature]
Principal
5/7/2019

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 AVADI, IAF, MUTHAPUDUPET
 CHENNAI - 600 055

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Figure: e-Waste Disposal count sheet



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Figure: e-Waste Disposal certificate



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