

K S R Institute for Engineering and Technology

Tiruchengode, Namakkal(Dt), Tamil Nadu
(Approved by AICTE New Delhi & Affiliated to Anna University Chennai)
BE (CSE,EEE,ECE,Mech)&B.Tech (IT) Programmes are Accredited by NBA

7.1.3 Waste Management

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7.1.3 - Solid Waste Management

Solid waste collected from the campus is being dumped in a compost yard available inside the campus. Incinerator is erected in girls hostel campus; shredders are also available for disposal of solid waste; biogas plants have been installed for the conversion of solid wastes. Dustbins are provided in the institute at convenient locations. The staff room, classroom and office have two separate dust bins to bifurcate the dry and wet waste. The single side papers are re-used for writing and printing circulars in all departments.





Food waste collecting Container

NET PHANCIPAL,

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TIRUCHENGODE - 637 215,

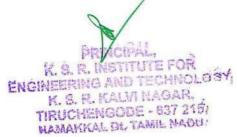
NAMAKKAL DI, TAMIL NADD:



Gobar Gas Plant



Biogas Digester





Using Biogas for Cooking in Hostel

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7.1.3 – Liquid Waste Management

Liquid waste mainly consists of waste water from kitchens, washrooms and mess. This waste water is transported through sewerage system of underground pipes. The waste is finally collected in the underground tank through water chamber to remove the solid waste. The treated water is used for watering to plants and trees and cleaning.



Sewage Treatment Plant





Sewage Treatment Plant





KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY



TIRUCHENGODE



National Service Scheme (NSS)

REF: KSRIET/NSS/CIR/2017-2018/12

CIRCULAR

DATE: 09/01/2018

We are pleased to inform that an "E Waste Collection Drive" in villages (Devanankurici, Anangur) will be organized on 12th January, 2018. NSS Volunteers are requested to attend the program to create awareness among the public and collect the E Waste.

Copy to

- The Principal Office,
- All Department HODs,
- Common Notice Board.

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TIRUCHENGODE - 637 215

NATIONAL SERVICE SCHEME (NSS)

E Waste Collection Drive-Report

Academic Year: 2017-18

Name of the Programme	E Waste Collection Drive				
Date &Time	12/01/2018 & 11:00 AM		Venue	De	vanankurici, Anangur
Chief Guest/Resource		Vo	No of NSS Volunteers involved in the activity		50
Person		No of Beneficiaries		ries	50
About Programme /Activity	Our KSRIET NSS conducted an "E Waste Collection Drive" in village (Devanankurici, Anangur) on 12 January 2018. The Fifty NSS Volunteer attended the activity and collected the E Waste				



E Waste Collection Drive

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National Service Scheme "E-Waste Collection Drive" on 12/01/2018

Name List of Volunteers

Academic Year: 2017-2018

The following students are permitted to attend the drive:

NO	NAME OF THE STUDENT	YEAR/DEPT
1.	ARUN R	II-CSE
2.	BARATH K	II-CSE
3.	NAVANANDHINI E	II-ECE
4.	NANDHAKUMAR P	II-ECE
5.	NANDHAKUMARAN R	II-ECE
6.	NARESH KUMAR S	II-ECE
7.	SANTHOSHKUMAR J	II-ECE
8.	SATHYAMOORTHI K	II-ECE
9.	SELLAKRISHNARAJA S	II-ECE
10.	ВООРАТНҮ К М	II-MECH
11.	PREMNATH R	II-CSE
12.	PRIYANKA V	II-CSE
13.	VENMATHI S	II-CSE
14.	ARULIEESWARAN R	II-ECE
15.	ASWIN S	II-ECE
16.	KARTHIKEYAN S	II-ECE
17.	KAVINKUMAR R	II-MECH
18.	KEERTHIVASAN S	II-MECH
19.	SHILPA B	II-CSE
20.	SRUTHI S	II-CSE
21.	SUBHASREE S	II-CSE
22.	SWETHA B	II-CSE
23.	JEEVITHA R	II-CSE
24.	MANJULA R	II-CSE
25.	VINOTHMANI M	II-MECH
26.	DINESHKUMAR K	I-CSE
27.	VIGNESH S	I-CSE

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28.	MARIMUTHU R	I-CSE
29.	DERIL CHARLESS K	I-CSE
30.	BABU R	I-CSE
31.	KAILASH K	I-CSE
32.	HARISH P	I-CSE
33.	KESAVAN S	I-CSE
34.	PRASANTH T	I-CSE
35.	PURUSOTHAMAN R	I-CSE
36.	GUNA M	I-CSE
37.	PRAKASH V	I-CSE
38.	ARUN KUMAR N	I-CSE
39.	KARTHIK T	I-IT
40.	HARIPRASATH K	I-IT
41.	GIRINATH S	I-IT
42.	ARULMOZHI M	I-IT
43.	KALIDASS R	I-IT
44.	MUKESH KANNA R	I-IT
45.	AJAYSRIRAM K	I-IT
46.	CHANDRU M	I-IT
47.	SATHISHKUMAR V	I-IT
48.	KAVIN M	I-MECH
49.	DHANUSH ADIT R	I-IT
50.	KIRUBAKARAN K	I-MECH

NSS PROGRAMME OFFICER

PRINCIPAL

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K. S. R. KALVI MAGAR,

TIRUCHENGODE - 637 215,

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KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY



TIRUCHENGODE



National Service Scheme (NSS)

REF: KSRIET/NSS/CIR/2018-2019/11

CIRCULAR

DATE: 07/12/2018

We are pleased to inform that creating awareness about-E Waste Collection Drive in villages (Devanankurici, Anangur) will be organized on 10 December, 2018. NSS Volunteers are requested to attend the program to create awareness among the public.

NSS Programme officer

Principal

Copy to

- The Principal Office,
- All Department HODs,
- Common Notice Board.

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TIRUCHENGODE - 637 215

NATIONAL SERVICE SCHEME (NSS)

E-Waste CollectionDrive-Report

Academic Year: 2018-19

Name of the Programme	E-Waste Collec	tion Driv	re		
Date &Time	10/12/2018 & 11:0	00 AM	Venue	De	vanankurici, Anangur
Chief Guest/Resource	-	No of NSS Volunteers involved in the activity		50	
Person		No	of Beneficia	ries	50
About Programme /Activity	Our KSRIET NSS conducted an "E Waste Collection Drive" in villages (Devanankurici, Anangur) on 10 December, 2018. The Thirty NSS Volunteers attended the program to create awareness among the public				



E-Waste Collection

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KSR INSTITUTE FOR ENGINEERING AND TECHONOLGY National Service Scheme (NSS)

"E Waste Collection Drive on 10/12/2018

Name List of Volunteers

Academic Year: 2018-2019

The following students are permitted to attend the drive:

S.NO	NAME OF THE STUDENT	YEAR/DEPT
1.	DINESHKUMAR K	II-CSE
2.	VIGNESH S	II-CSE
3.	MARIMUTHU R	II-CSE
4.	DERIL CHARLESS K	II-CSE
5.	BABU R	II-CSE
6.	KAILASH K	II-CSE
7.	HARISH P	II-CSE
8.	KESAVAN S	II-CSE
9.	PRASANTH T	II-CSE
10.	PURUSOTHAMAN R	II-CSE
11.	GUNA M	II-CSE
12.	PRAKASH V	II-CSE
13.	ARUN KUMAR N	II-CSE
14.	KARTHIK T	II-IT
15.	HARIPRASATH K	II-IT
16.	GIRINATH S	II-IT
17.	ARULMOZHI M	II-IT
18.	KALIDASS R	II-IT
19.	MUKESH KANNA R	TI-II
20.	AJAYSRIRAM K	TI-II
21.	CHANDRU M	II-II
22.	SATHISHKUMAR V	II-II
23.	KAVIN M	II-MECH
24.	DHANUSH ADIT R	II-IT
25.	KIRUBAKARAN K	II-MECH
26.	SENGOTTAIYAN G	I-IT
27.	RAJKUMAR V	I-IT
28.	PRAVEEN R	I-IT
29.	MOULEESHWAR C P	I-IT
30.	VIGNESH G	I-MECH
31.	DHARANEESHWARAN N	I-MECH
32.	SUSHMA R	I-CSE
33.	SRIDHAR P	I-MECH
34.	SATHYA R	I-ECE
35.	VIKRAM S	I-MECH
36.	RAMYABHARATHI M	I-IT
37.	SRIMATHI E	I-IT
38.	PRIYADHARSINI M	I-IT
39.	RESHMA R	I-CSE
	THULASI RAMAN S	I-ECE
40.	SASI S	I-ECE I-ECE

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42.	SAVURIYAPPAN S	I-EEE
43.	DHARANIDHARAN D	I-IT
44.	DEEPTHEE M	I-ECE
45.	VAISHNAVI K	I-ECE
46.	DHAANU S	I-ECE
47.	SOUNDARYA G G	I-CSE
48.	SHARMILA R	I-CSE
49.	NITHYA	I-ECE
50.	MONISA B	I-EEE

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NSS PROGRAMME OFFICER

PRINCIPAL

13

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INTERNAL QUALITY ASSURANCE CELL (IQAC)

Circular

Date: 04.01.2021

It has been decided that E – Waste Management Club will be formed in our college from this January, 2021. Mr.P.Govindaraju, ASP & Head / ECE will coordinate and he is asked to form a committee for E-Waste management club. The committee members are asked to frame policy and activities for the academic year 2021 – 2022.

IQAC Coordinator

Principal

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TIRUCHENGODE - 637 215

E - Waste Management Club Minutes of Meeting

Academic Year	2020 - 2021	Meeting No.	01
Members	E – Waste Management Club	Date & Time	07.01.2021 &
attended	Members		12.45pm

S.No	Topic	Discussion / Action to be taken
1.	E-Waste Management Policy	 Our Institution has undertaken a number of E-waste Management initiatives with the objective of creating ar eco-friendly environment in the campus. It was discussed to frame policy documents for E-waste management.
2.	Identify Agencies	 It was planned to identify the locally available collection services for E-waste
3.	Donation for Government School	 It was decided to collect the Personal Computers Laptops, Printers and Projectors which have less working condition from each department and to donate them to any nearby Government Schools from the forthcoming academic year. The Committee believes that this donation shall help a few school students to ge some exposure and technical knowledge.
4.	e-bin	 It was also decided to keep e-bin at many places in the campus from the forthcoming academic year for collecting the E-waste such as repaired/expired wires switches, batteries, mobile phones, chargers etc. Then it will be given to an agency which shall destroy or recycle it.
5.	Store Room	 The E-waste collected is stored in store room and disposed every year accordingly.
6.	Awareness among faculty and Students	 It was discussed to create awareness about impact of E- waste on health and environment to faculty and students

Placed Topos

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Principal

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E – Waste Management Policy

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KSR Institute for Engineering and Technology

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1. Introduction

- Electronic waste also known as E-waste, is electronic products that have outlived their usefulness and are due for disposal. These products have toxic components such as lead, mercury and cadmium. Improper disposal of electronics waste pollutes the environment with hazardous toxins, thereby causing widespread health problems and environmental degradation. With the increase of E-waste generation and the consequent threat of environmental degradation, there is need for a regulatory framework to mitigate this hazard
- * K S R Institute for Engineering and Technology (KSRIET) utilizes a wide range of electronic products which results E-waste. Establishment of E-waste disposal including recycling of the waste, awareness among staff and students are some of the key strategies encompassed by this policy document

2. Policy Statement

The following are the guiding principles of the E-waste policy:

- Environmental conservation: The College endeavors to ensure environmental conservation and protection from the effects of E-waste.
- Donate Government Schools: Collect Personal Computers, Laptops, Printers and Projectors which have less working condition from each department and to donate them to any nearby Government Schools from the forthcoming academic year. The Committee believes that this donation shall help a few school students to get some exposure and technical knowledge.
- Safe disposal: Keep e-bin at many places in the campus from the forthcoming academic year for collecting the e-waste such as repaired/expired wires, switches, batteries, mobile phones, chargers etc. Ensure that e-waste is collected and kept in an appropriate storage and prepare a report for disposal.
- Public awareness: Organize annual events to promote E-waste awareness.

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Page 3

3. Policy Objectives

In developing this E-waste policy, KSRIET seeks to meet the following objectives:

- To minimize E-waste generation
- To mobilize and sensitize stakeholders on the proper management and handling of E-waste on a sustainable basis.
- To develop and implement a critical human resource base knowledge in handling E-waste.
- To develop beneficial environmentally sound E-waste recycling.
- To provide guidance on the standards of electronic equipments that is imported into the college.

4. Members of E-waste Management Club

- Coordinator: Mr.P.Govindaraju, ASP & Head / ECE
- * Team Members: 1. Mr. K. Vinoth, CSE
 - 2. Mrs. K.Meenatchi, EEE
 - 3. Mr. M. Udhayakumar, ECE
 - 4. Mr. D.Balakrishnan, IT
 - 5. Mr. A.Mohanraj, MECH

5. Review of Policy

The policy shall be reviewed after every 5 years or earlier, as need arises.

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Page 4

7.1.3 – Waste Recycling Management

Our college has two bio-gas plants. Food wastes, vegetable wastes, waste water and cow dung collected from college messes, canteens and cow farm are used in the plants to generate gas. It is used in our college canteen and hostel mess for preparing food. Around 200 kg to 250 kg food wastes are collected and they are converted into thermal energy.



Gobar Gas Plant



Biogas Digester

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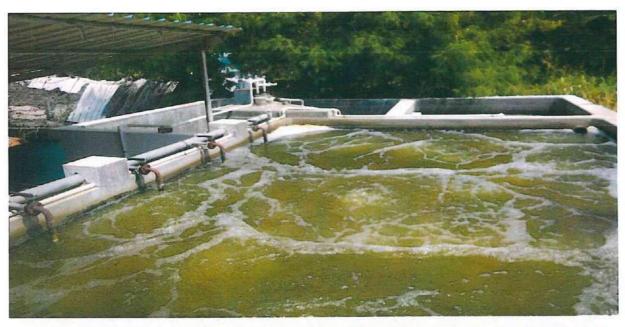
Capacity: 100000 lit per day

Method of Treatment: Extend aeration process

Parameters Monitored: PH TDS BOD AND COD

Standard: TNPCB Norms

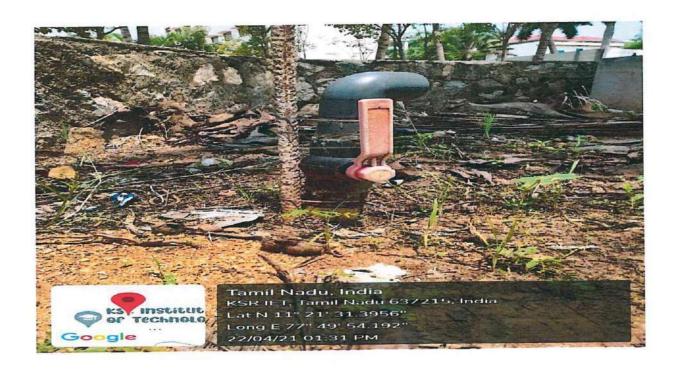
Application of Treated Water: Lawn Sprinkling and Irrigation

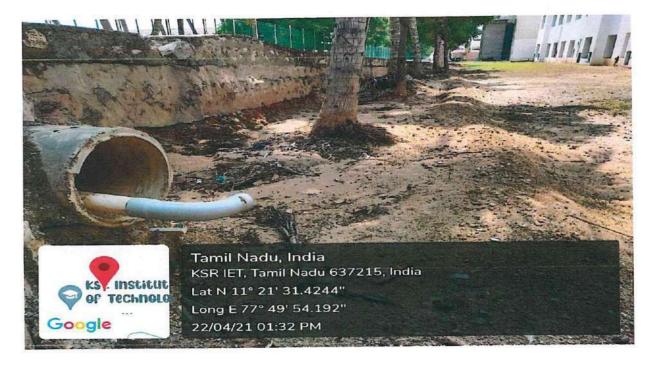




Water Recycling Plant

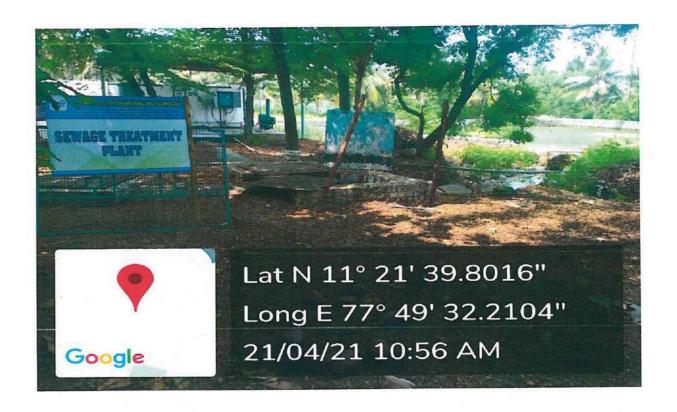
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Recycled Water used for Irrigation







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