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(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

Perundurai, Erode - 638052, Tamil Nadu, India. Email: principal@nandhaengg.org

Website: www.nandhaengg.org Phone: 04294-225585

7.1 Institutional Values and Social Responsibilities

7.1.3

Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste

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Solid Waste Management

SOILD WASTE MANAGEMENT- COMPOST WHAT YOU CAN"

-Department of Agriculture Engineering

Collection of biodegradable organic waste from college campus to prepare Compost

Fertility of the soil is highly essential for better crop productivity. To improve soil fertility and productivity of college farm, the landscape maintenance waste materials are collected time to time and heaped in the farm for composting. Waste materials such as leaves, twigs, flower plant parts, straw, woody pruning, grass clippings and weeds are collected. Grass clippings on the lawn are present in huge volume which is high in nitrogen content are added to the daily waste of the landscape.

Plants lose about 50 and 75 percent of their volume in composting, so a lot of plant material can be processed effectively. Composting waste recycles nutrients back into the soil and saves landfill space. Composting reduces waste volume by 50 to 75 percent. Composting not only keeps waste out of landfills and the water-wasting garbage disposal, it yields a highly nutritious soil additive that improves drainage, adds life and organic matter to compacted soil, and even helps fight off some plant diseases.

Frequent watering is done to maintain the moisture content of the heap. Turing is done once in a week to improve the aeration of the heap and also to reduce the temperature build inside due to decomposition activity of the microorganisms. After 40- 45 days the entire waste material is converted in to organic manure which is effectively utilized in the farm to improve the fertility status of the farm. Further, the compost is effectively utilized to prepare indoor potted plants.

Plants are cut at frequent intervals to maintain its structure in the college landscape. The plant parts that are removed are utilized and planted in mini pots of various size and watered daily for better plant growth. These pots are maintained under shade for further growth and development. Once grown they will be sold out at reasonable prizes.

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Collection of biodegradable organic waste from college campus













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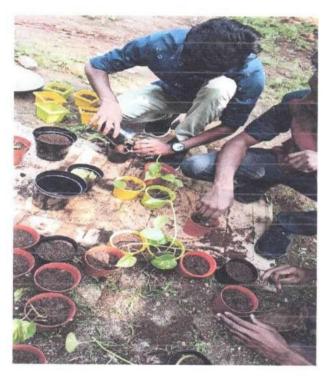
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Composted material & Potting mixture preparation for growing indoor plants







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FRANK BOOKE



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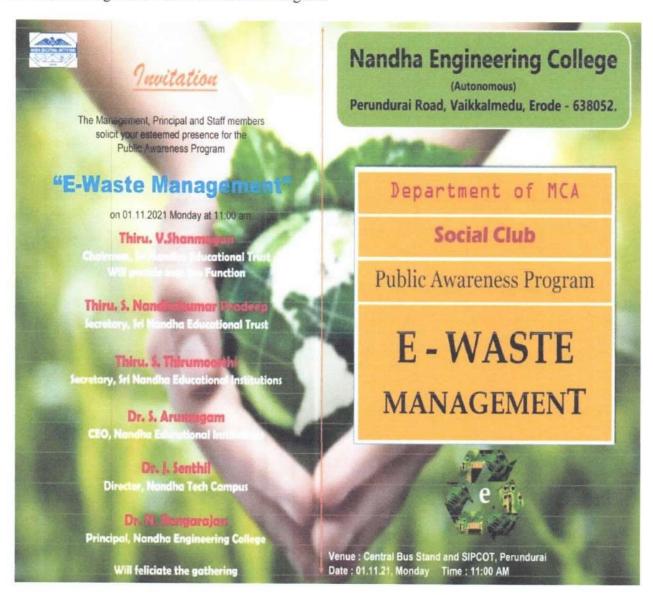
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E-Waste Management

E-Waste Management Public Awareness Program:





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Awareness Program on E-Waste Management:



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INTERNAL QUALITY ASSURANCE CELL (IQAC) organizes

Awareness program on

e-Waste Management

RESOURSE PERSON

Ms. A. Akilandeeswari

Public Relations Coordinator Green Era Recyclers Coimbatore

CONVENER

Dr. S. KAVITHA

PRINCIPAL

Dr. N. RENGARAJAN
Nandha Engineering College

EVENT CO-ORDINATORS

Mr. T. Jayachandran Assistant Professor, ECE

STUDENT CO-ORDINATOR

R.K. Bhoopesh 3rd Year, ECE

Ms. V. Logeswari

Assistant Professor, ECE

Ms. S. Maheswari Assistant Professor, CSE

EVENT DATE

30.12.2021

EVENT TIMING

10.30 AM

EVENT LINK

https://meet.google.com/ungg-vsgy-eur?hs=122&authuser=0

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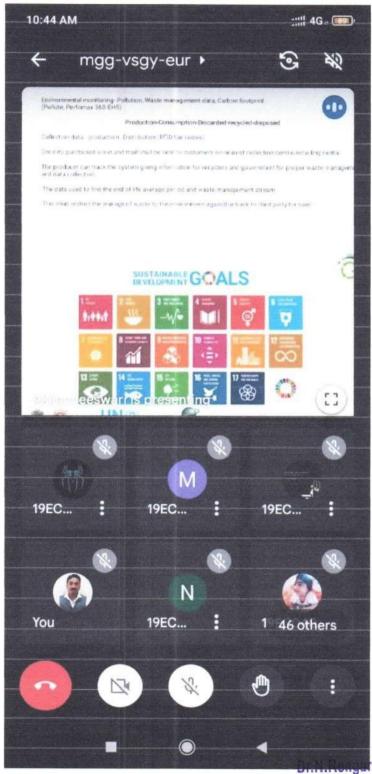
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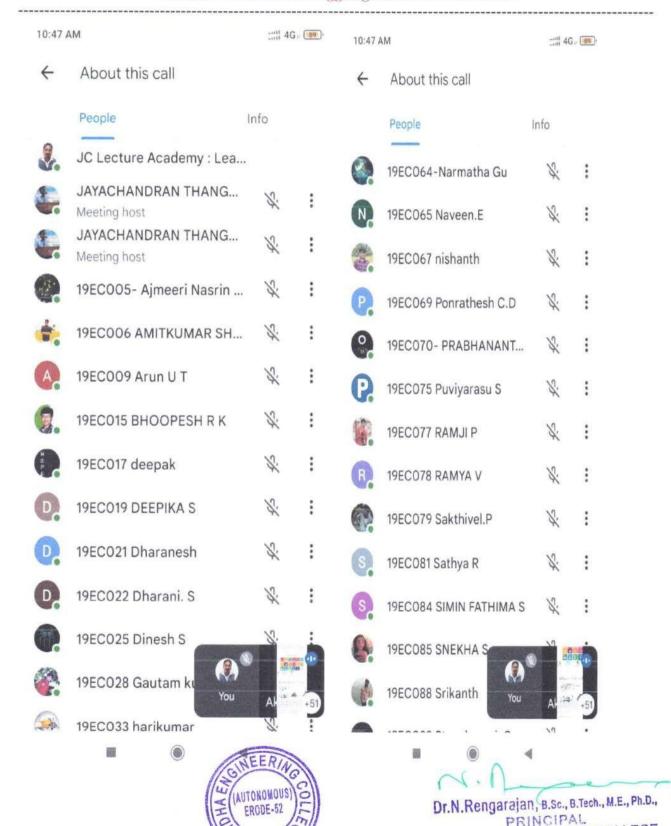
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121/1 velliyam palayam, Perundurai -638 052.

GSTIN: 33ANOPY2385K1Z6

Original For Recipient
Dupilicate For Supplier/Trans porter
Triplicate for Supplier INVOICE Reverse Charge Transportation Mode : ON ROAD Invoice No. CTA/21-22/022 Vehicle Number Invoice Date 01-09-2021 Date of Supply 01-09-2021 Tamil Nadu State Code : 33 Place of Supply : PERUNDURAL Detailes of Receiver | Billed to : Details of Consignee | Shipped to : Name NANDHA ENGINEERING COLLEGE Name NANDHA ENGINEERING COLLEGE Address KOORAPALAYAM PIRIVU Address KOORAPALAYAM PIRIVU PERUNDURAL PERUNDURAL ERODE-638052 ERODE-638052 GSTIN GSTIN State Tamil Nadu State Code: State Tamil Nadu State Code 33 HSN UOM QTY RATE Amount Less: CGST Taxable SGST IGST Name of Product / Service No Total ACS Discoun Value Rate Amount Rate Amount Rate Amount 1 LABOUR SERVICE 998333 NO 14000 14000 14000 9% 1260 9% 1260 2520 Total: 14000 0 14000 0.9 1260 0.9 1260 2520.00 Total Invoice Amount in Words: **Total Amount Before Tax** 14000.00 Add: CGST 1260.00 Add : SGST 1260.00 INR: SIXTEEN THOUSAND FIVE HUNDURED TWENTY RUPEES ONLY Add: IGST 0.00 Tax Amount : GST 2520.00 : Bank Details : Rounded off 0.00 * Bank Account Number 629101010050277 Total Amount 16520.00 * Bank Branch IESC UBIN0931730 * Bank Name Union Bank Of India ertificate that the particulars given above are ture and correct E CHEM TEX AQUA : Terms and Conditions : 1) Goods once sold will not be taken back or exchanged 2)Seller is not responsible for any loss or damaged PERUNDURAL of goods in transit 638 052 3)Buyer undertakes to submit prescribted ST declaration to sender on damand. Disputes if any will be subject to seller court jurisdication



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121/1 velliyam palayam, Perundurai -638 052.

GSTIN: 33ANQPY2385K1Z6

Original For Recipient Dupilicate For Supplier/Transporter Triplicate for Supplier INVOICE Reverse Charge Transportation Mode : ON ROAD Invoice No. CTA/21-22/022 Vehicle Number Invoice Date 31-08-2021 Date of Supply : 31-08-2021 State Tamil Nadu State Code : : PERUNDURAI 33 Place of Supply Detailes of Receiver | Billed to : Details of Consignee | Shipped to : Name NANDHA ENGINEERING COLLEGE Name NANDHA ENGINEERING COLLEGE Address KOORAPALAYAM PIRIVII Address KOORAPALAYAM PIRIVU PERUNDURAL PERUNDURAL ERODE-638052 ERODE-638052 GSTIN GSTIN State Tamil Nadu State Code: 33 State : Tamil Nadu State Code HSN UOM QTY RATE Name of Product / Service Amount Less: Taxable CGST SGST No ACS Total Discoun Value Rate Amount Rate Amount Rate Amount 1 LABOUR SERVICE 998333 NO 14000 14000 14000 9% 1260 9% 1260 Total: 1 14000 14000 O.9 1260 0.9 1260 2520.00 Total Invoice Amount in Words Total Amount Before Tax 14000.00 Add : CGST 1260.00 Add : SGST INR:SIXTHEEN THOUSAND FIVE HUNDURED TWENTY 1260.00 Add: IGST 0.00 Tax Amount: GST 2520.00 : Bank Details : Rounded off 0.00 * Bank Account Number : 629101010050277 Total Amount 16520.00 * Bank Branch IFSC UBIN0931730 * Bank Name Union Bank Of India ertificate that the particulars given above are ture and correct CHEM TEX AQUA : Terms and Conditions : 1) Goods once sold will not be taken back or exchanged 2)Seller is not responsible for any loss or damaged PERUNDURA of goods in transit 638 052 3. P. Subbatra: 3)Buyer undertakes to submit prescribted ST declaration to sender on damand. Disputes if any will be subject to seller court jurisdication

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Hazardous Chemicals and Radio Active Waste Management System



NANDHA ENGINEERING COLLEGE

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Hazardous Chemicals Waste Management Policy

- The main objective of the Management of Hazardous Chemicals Policy is to prevent and control chemical hazards at workplace, and safeguard the health and safety of persons against chemical hazards inside the campus.
- Management of Hazardous Chemicals Programme should be conducted annually to ensure that it is relevant and up-to-date.
- Prior Orientation must be given to all the Students about the hazardous chemicals and
 the procedure for using them by following the safety procedures. First aid kits must be
 kept inside the laboratories for immediate medical attention.
- The Management of Hazardous Chemicals Programme must cover the safety and health aspects throughout the life cycle of the hazardous chemicals that are used or produced in a plant, transportation, storage, handling, usage and disposal of the chemicals and necessary orientation should be given to the lab instructors about the handling of hazardous chemicals.
- The Management of Hazardous Chemicals Programme enhances chemical safety and prevents chemical-related injuries, illnesses or diseases at the workplace.
- In addition, the floors should be equipped with appropriate fire fighting appliances and lab instructors should be trained in dealing with emergency situations.
- Loading, unloading and transfer operations are prone to accidents, and should be managed properly. Control measures should be implemented to reduce the risks.
- Management of Hazardous Chemicals Programme Review and Audit The management should conduct a review of. The programme should be subjected to regular audits to ensure that it has been implemented effectively.

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Principal



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WASTE MANAGEMENT POLICY

As Nandha Engineering College has been making very distinctive approach in the field of environment and sustainability, it shall pay considerable attention to minimize the production of waste on the campus. This policy visualizes to guarantying the moral, social and legal responsibilities of the College in creating an environment-friendly and sustainable world devoid of waste and manipulation of nature. This policy is a guidance document to the faculty and students to behave responsibly in the production of waste, waste segregation, storage, handling, transport and disposal.

Policy Statement:

Nandha Engineering College will adopt the principles of the 'best practicable environmental option' in the delivery of its waste management services. It intended to reduce, reuse, recycle and recover waste products in preference to the disposal of waste to landfill. We recognize the importance of meeting these legal requirements and to manage its waste responsibly, reduce the volume of waste sent to landfill and maximize reuse and recycling where possible.

Policy Objectives:

The objectives of this policy are:

- ✓ To provide appropriate training for teacher, resident, staff, students and other stakeholders on waste management issues.
- ✓ To promote holistic approach of waste management in the campus.
- ✓ To ensure that waste management is performed in accordance with all waste. legislative requirements, including the duty of care, and to plan for future legislative changes and to ease their effects.
- ✓ To minimize waste generation at source and facilitate repair, reuse and recycling over the disposal of wastes in a cost-effective manner.
- ✓ To provide clearly defined roles and responsibilities to identify and co-ordinate each activity of the waste management.
- ✓ To promote environmental awareness in order to increase and encourage waste minimization, reuse and recycling.
- ✓ To invest into the expansion of recycling opportunities on the campus and transform waste into value added products.

✓ To ensure the safe handling and storage of wastes on campus.

Principal

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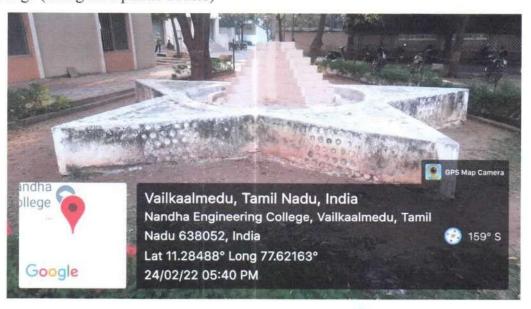
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Waste Management Projects at our Campus

Bull (Using mechanical and Automobile Waste).



Sitting Lounge (Using used plastic bottles)





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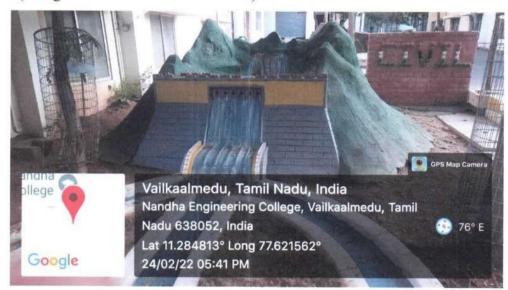
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Model Car and Model Well (Using Construction Waste materials)



Model Dam (Using Construction Waste materials)





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