

St. Joseph's College of Education for Women

Opp. Sambasivapet 2nd Lane, Naaz Center, GUNTUR, A.P., INDIA.
(Under the Management of Society of Jesus Mary & Joseph)

R



7.1.3

Documentary Evidence in Support of Each Selected Response



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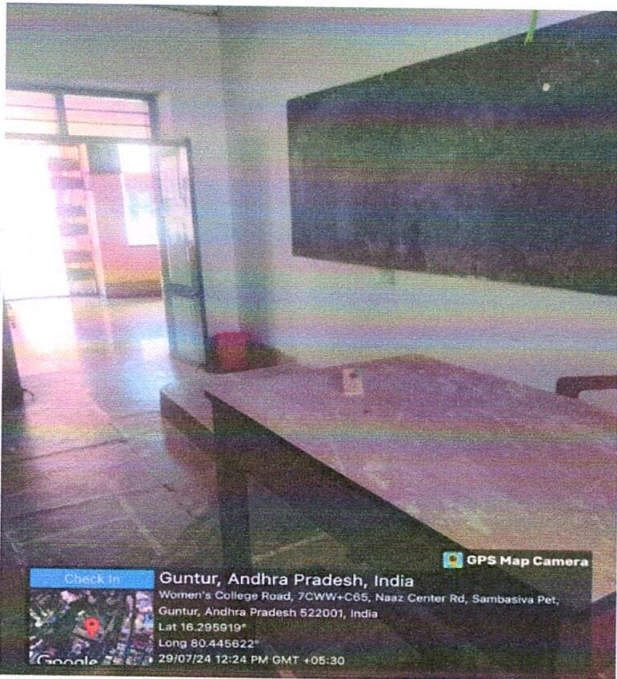
SEGRAGATION OF WASTE

Segregation of Wastes

In order to maintain a clean environment in the SJCE campus, garbage bins are provided throughout the college premises at every room and corners. Two different colored garbage bins (blue and green) are kept at college campus. Blue trash bins are used for collection of dry waste like paper waste, glass bottles, wood and metal waste. Green trash bins are used to collect wet waste like vegetables, food waste and other kitchen degradable waste from hostel and canteen. The organic waste is converted in to manure. It is used for sustainable growth. The Accumulated dry waste material is disposed daily from the campus by municipality vehicle.



Dustbins are placed for disposing off waste material



The students dump the waste material in Dustbin



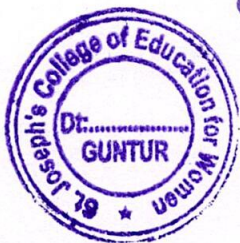
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Dry waste collected by our Supporting team



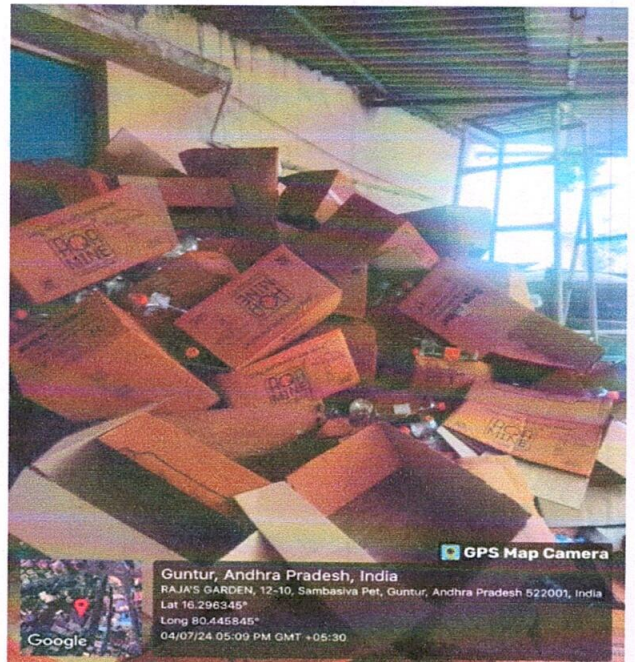
Collection of waste by Guntur Municipal Corporation



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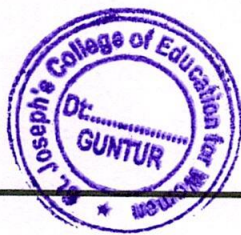
Sending Cardboard Boxes for Re-Cycling

Cardboard's used newspapers, books and other papers is sold off to the recyclers .If paper used only on one side or blank pages from answer Scripts are utilized for rough use.



In

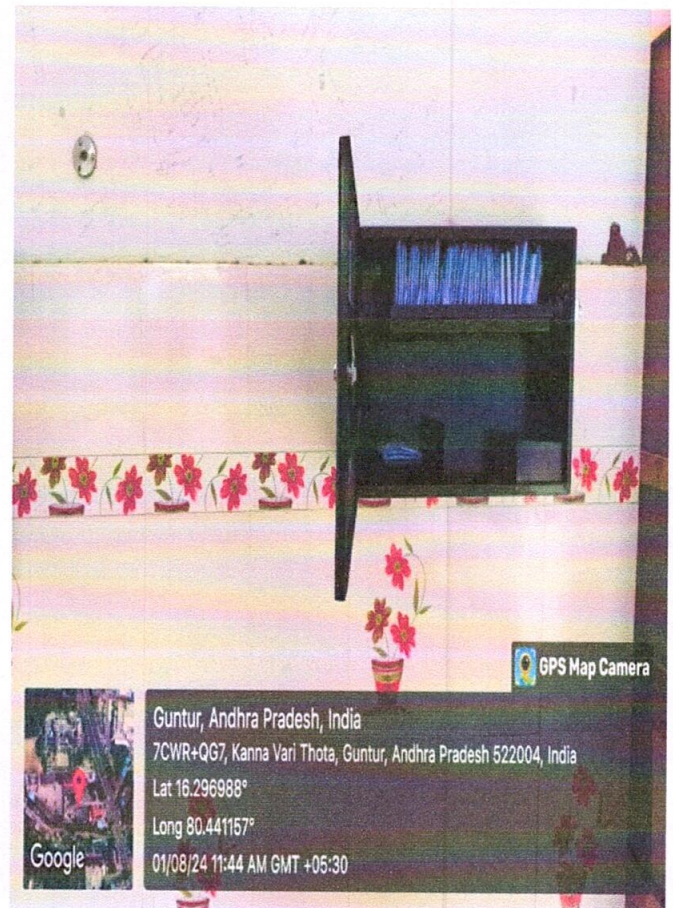
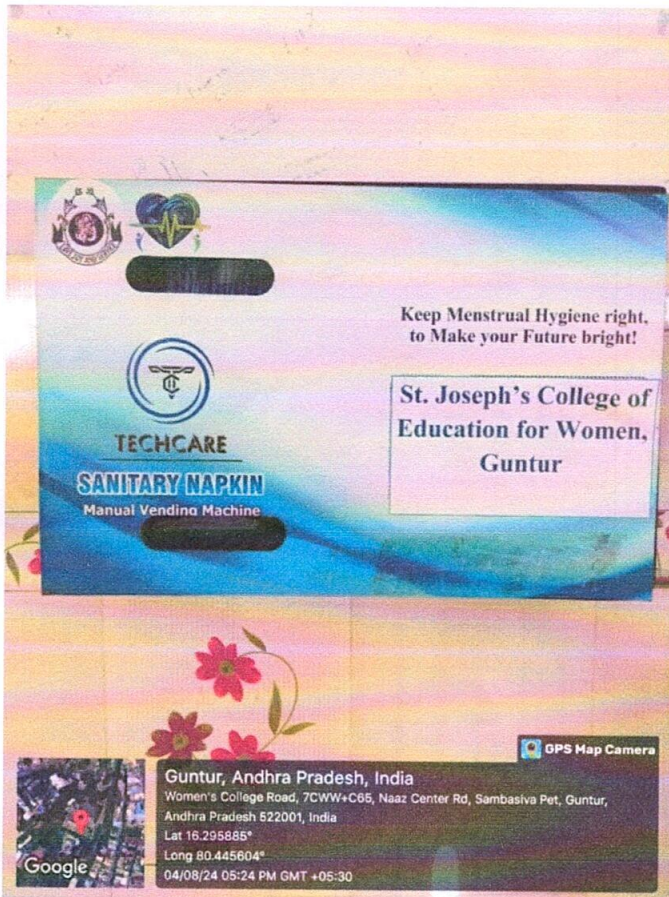
SJCE has collect and give away the recyclable waste including any kind of paper waste and old records generated in the college and handover to Sri Lakshmi paper mart, Chowtra center, Guntur.



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Provision of Sanitary Napkins for Staff and Students

SJCE management provides hygiene related sanitary pads for all the staff and students, during the menstrual cycle, sanitary napkins vending machine is filled with sanitary napkins, whenever the students are in need of it, they utilize them for free of cost.



Sanitary napkin vending machine for our students free of cost



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Incinerator/Sanitary Napkins Disposal Machine

Incinerator is used for safe disposal of sanitary napkins for students and staff. Sanitary pads are converting them in to ash, fuel gas and heat. It helps to reduce the volume of Hazardous /contaminated materials are safely neutralized by Incinerator so students are by using this product taking a part in hazardous.



Sanitary Napkin Disposal Machine to maintain Menstrual Hygiene



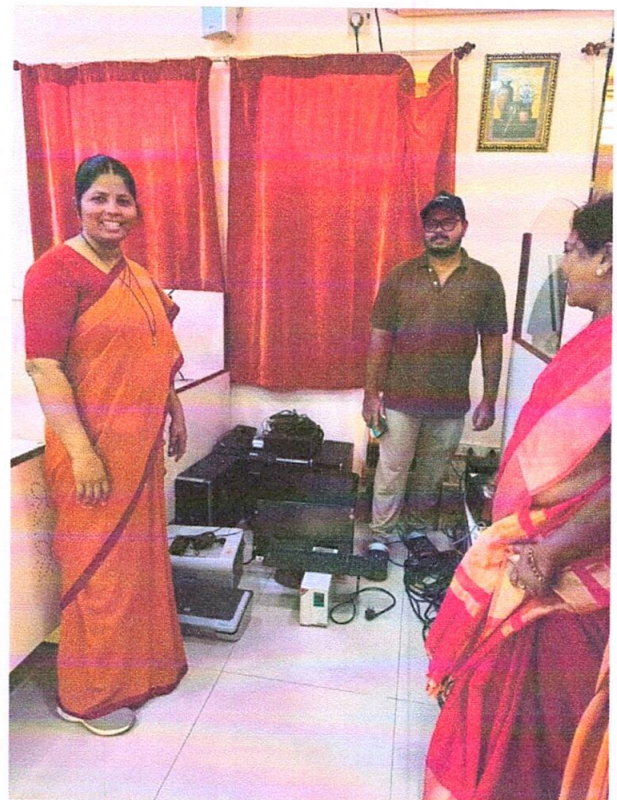
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E-WASTE MANAGEMENT

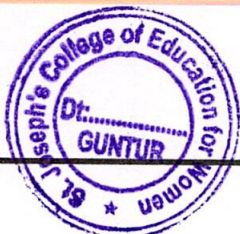
E-Waste Management

Another our regular practice of the institution is E-waste management that involve collection of E-waste recover, recycle and dispose of E-waste by collaborating with recycling agencies to reduce its adverse impacts on Environment. Students also educate people during their outreach community programs about E-waste risks and good disposal practices.

Our Students are encouraged to minimize E-waste and given training to safely dispose of the E-Waste bin. The college take utmost care in the safe disposal of E-waste such as cameras, hard disk, Mobile, printers, laptops, CPU, air coolers, scanner, mouse, old computers, Refrigerator, electrical switches other miscellaneous E-waste bin.



Handing over the E- Waste for a safe disposal



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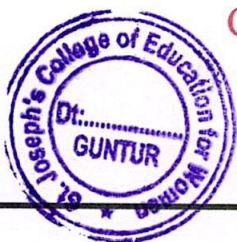
VERMI COMPOST

Vermi Compost

Organic waste is put into compost pit and later plants are grown by using the compost Produced. SJCE Management maintaining the disposed waste sent to compost pit to make manure and fertile by decaying bio degradable waste .It helps to reduce waste improves soil health and promote healthy plant growth.



Compost used for plants growth in SJCE Garden

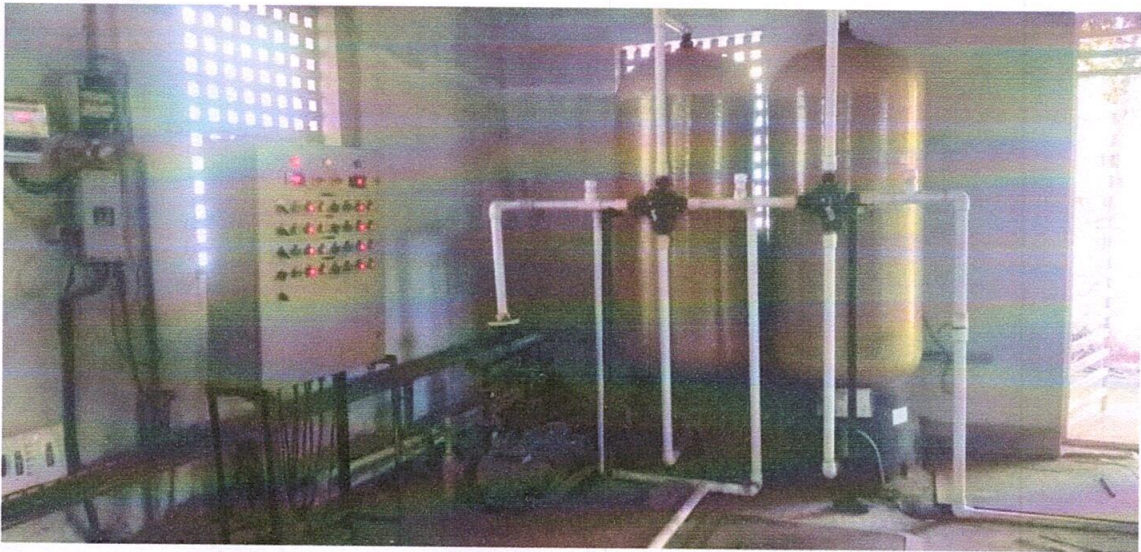


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SEWAGE TREATMENT PLANT

Sewage Treatment Plant

A sewage treatment plant is a facility designed to clean and process wastewater, making it safe for release into the environment and for reuse. It plays a decisive role in managing water pollution by removing harmful substances, bacteria, and organic matter from sewage. Through a series of physical, chemical, and biological processes, the plant treats the wastewater, ensuring that it meets environmental standards before being discharged. The sewage water is directed to garden, to toilet flush and other uses. The students are educated to use the water carefully. The use of sewage treatment plants is essential for maintaining clean waterways, protecting public health, and promoting sustainable water management practices.

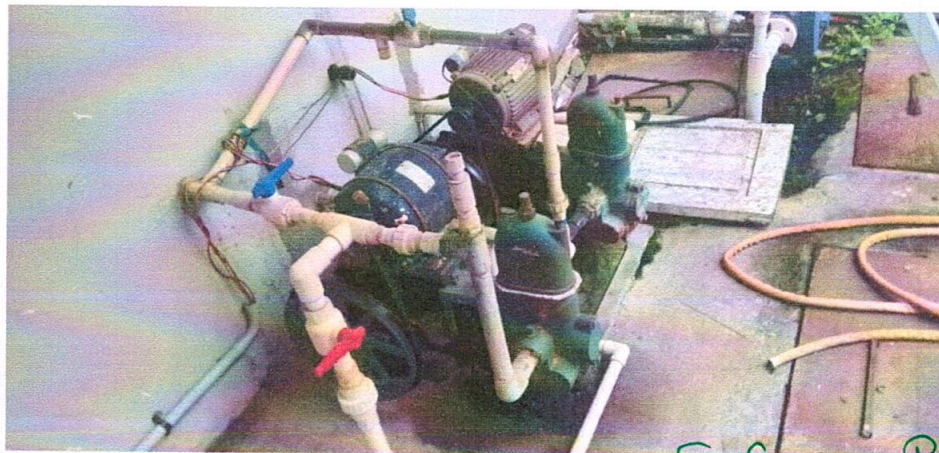
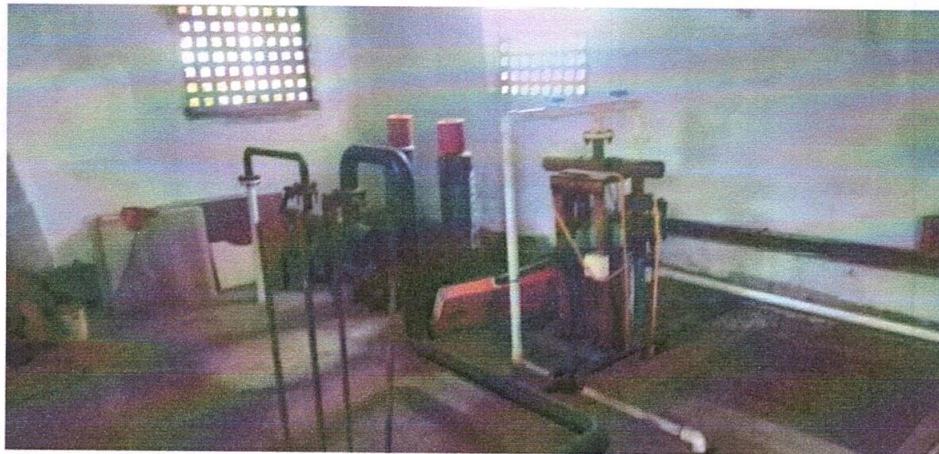


An awareness programme was given to the students about the mechanism of a sewage treatment plant which involves several stages to clean wastewater:



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1. **Preliminary Treatment:** Large debris and solids are removed using screens and grit chambers.
2. **Primary Treatment:** The wastewater then enters sedimentation tanks, where heavier solids settle at the bottom, forming sludge, while lighter materials float to the top and are skimmed off.
3. **Secondary Treatment:** The water undergoes biological treatment, where bacteria break down organic matter in aeration tanks. This stage significantly reduces pollutants and organic load.
4. **Tertiary Treatment:** Further purification occurs through filtration, disinfection (usually with chlorine or UV light), and sometimes nutrient removal, ensuring the water meets environmental standards.
5. **Sludge Treatment:** The sludge collected is treated separately, often through digestion and dewatering, to reduce its volume and make it safe for disposal or reuse. This multi-step process ensures that the treated water is safe for discharge into the environment or for other uses.



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Waste Management Practices



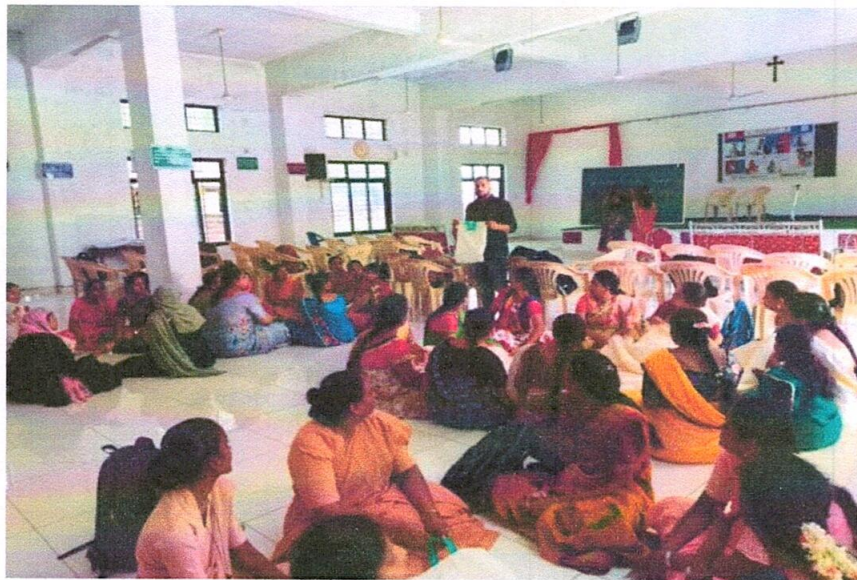
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Cloth Bags Preparation

We train our students to prepare cloth bags and we encourage students to use only cloth bags to promote eco-friendly choices. Main our focus is to decrease the amount of plastic usage and also reducing pollution and its best alternatives for sustainable practices.



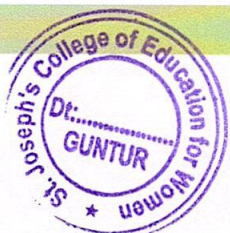
Students at work for the preparation of cloth bags



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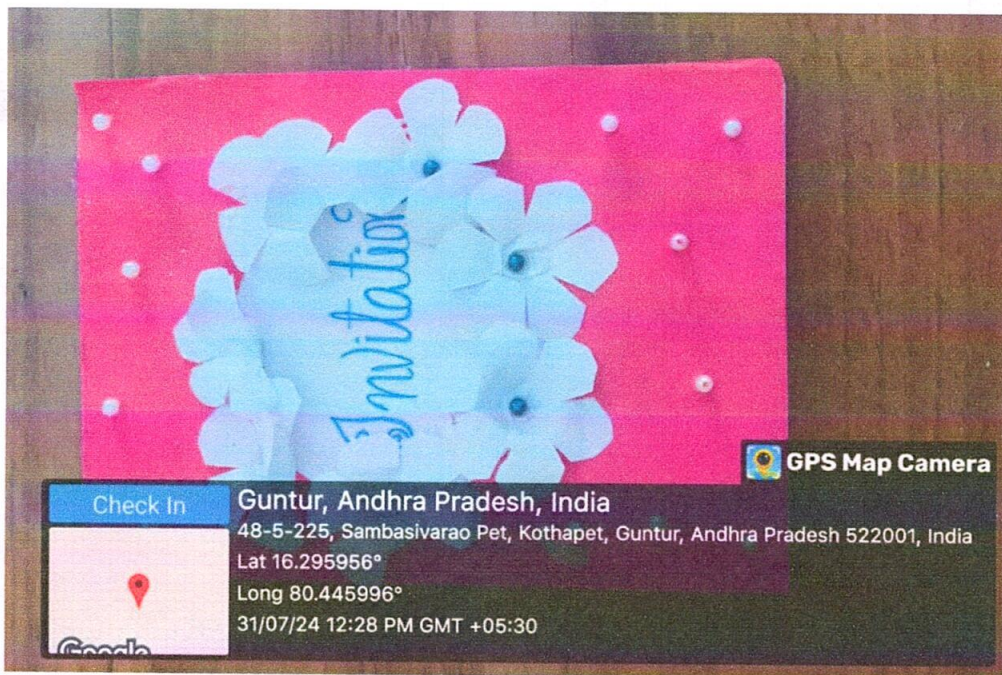
These cloth bags are prepared by B.Ed students



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Preparation of Greeting /Invitation Cards by using of waste Papers

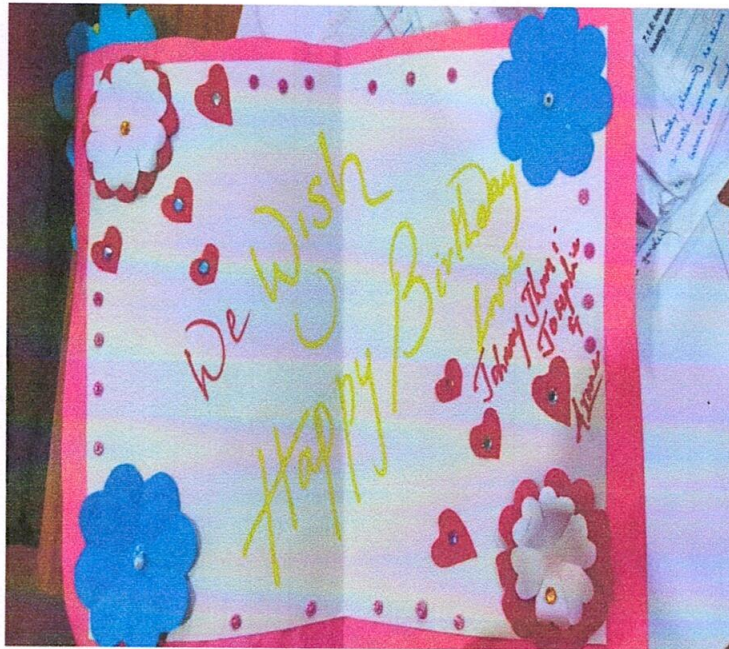
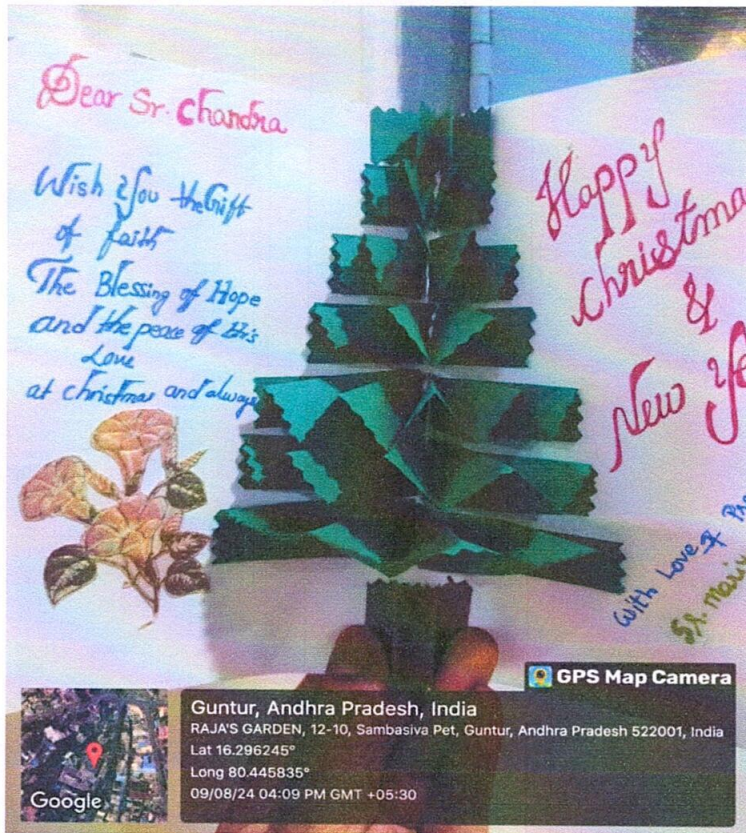
As a part of Art Education we train our students will learn how to transform waste papers into elegant and eco-friendly greeting and invitation cards. The process begins with collecting and sorting various types of waste paper, such as old newspapers, magazines, and scrap paper. Students will then experiment with techniques like papier-mâché, collage, and handmade paper creation to repurpose these materials into textured, visually interesting surfaces for their cards. Emphasizing sustainability and creativity, students will design and assemble their cards, incorporating innovative uses of recycled materials to add unique patterns and colors. This project will enhance skills in sustainable art practices while allowing students to create personalized and environmentally conscious cards.



Greeting card prepared by the M.Ed students



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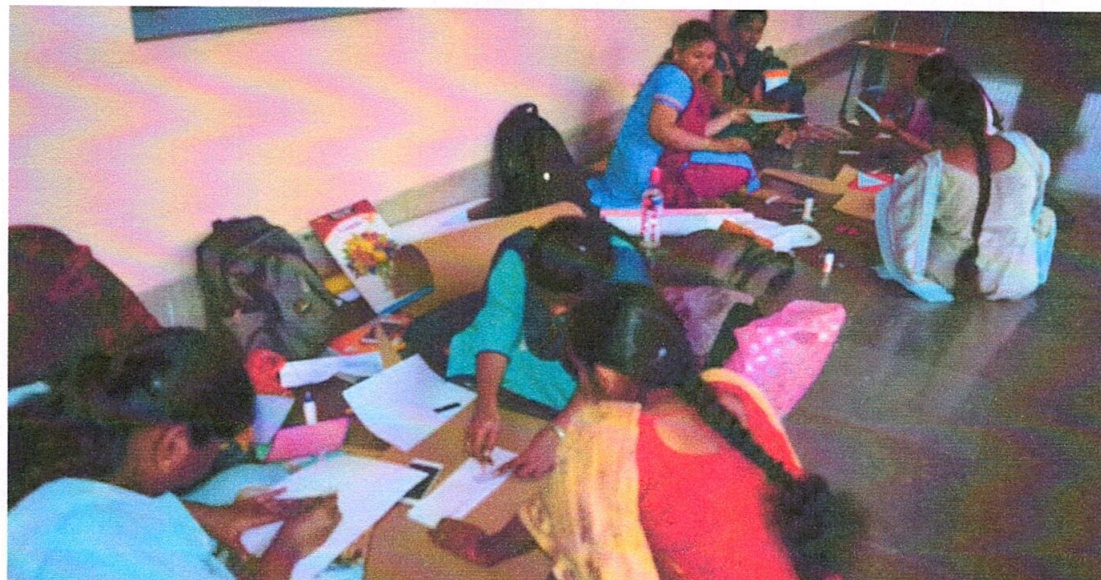
Greeting card / Invitation Cards are prepared by students



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TLM Preparation by using Low Cost & No Cost Material

As part of Teacher Training Course students are engaged in creating effective teaching-learning materials using low-cost and no-cost resources. Students learn innovative techniques for re-purposing everyday items such as cardboard, fabric scraps, and plastic bottles to develop educational tools and resources. The workshop covers practical methods for designing visual aids that support diverse learning needs. By focusing on affordability and resourcefulness, students gain hands-on experience in crafting functional materials that enhance classroom learning environments while also fostering creativity and problem-solving skills. This approach not only promotes budget-friendly teaching solutions but also encourages sustainable practices in education.



Students engaging themselves in TLM preparation



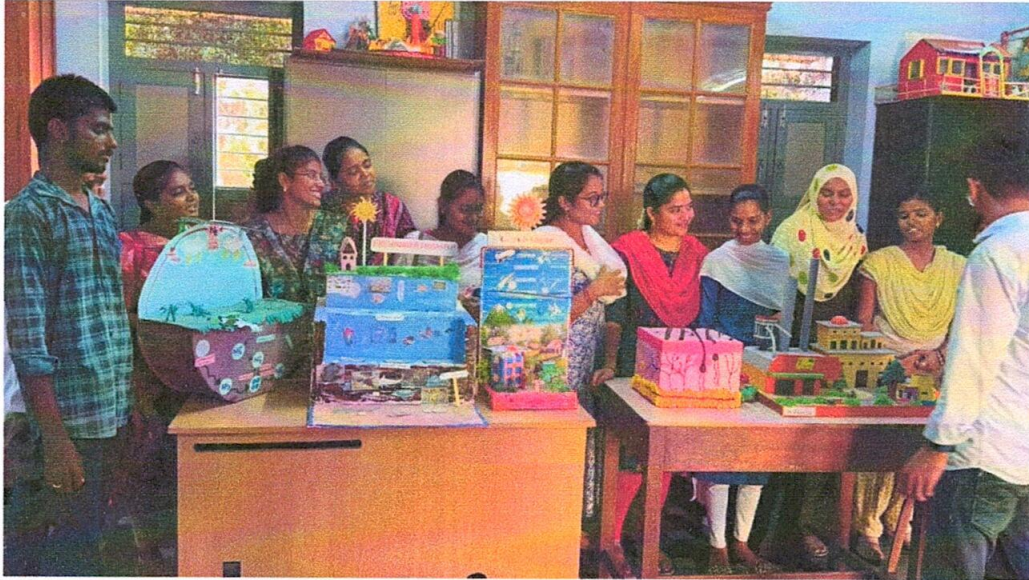
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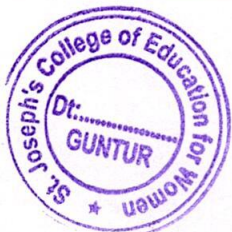
TLM's prepared by Physics Methodology students



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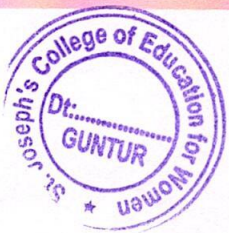
TLM's prepared by Social Methodology students



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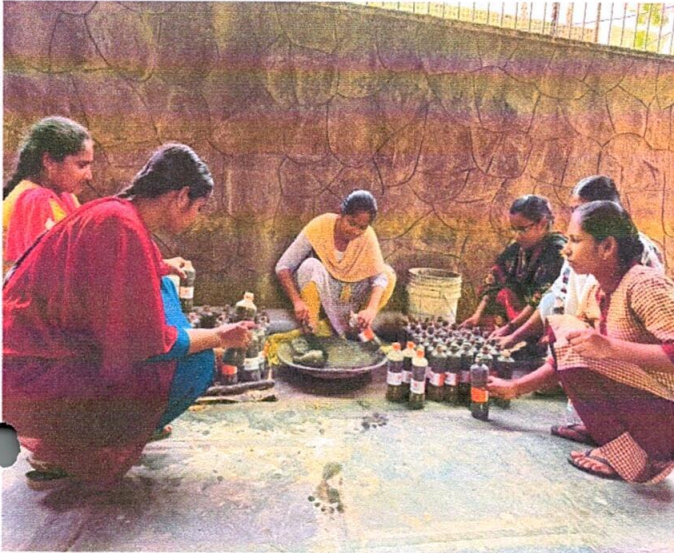
Articles prepared by English methodology students



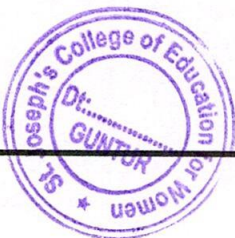
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Re-use of Water Bottles for Gardening

We train our students to re-use waste bottles in a productive way so we encourage to use water bottle for garden, to make the water bottles as a bricks for our garden.



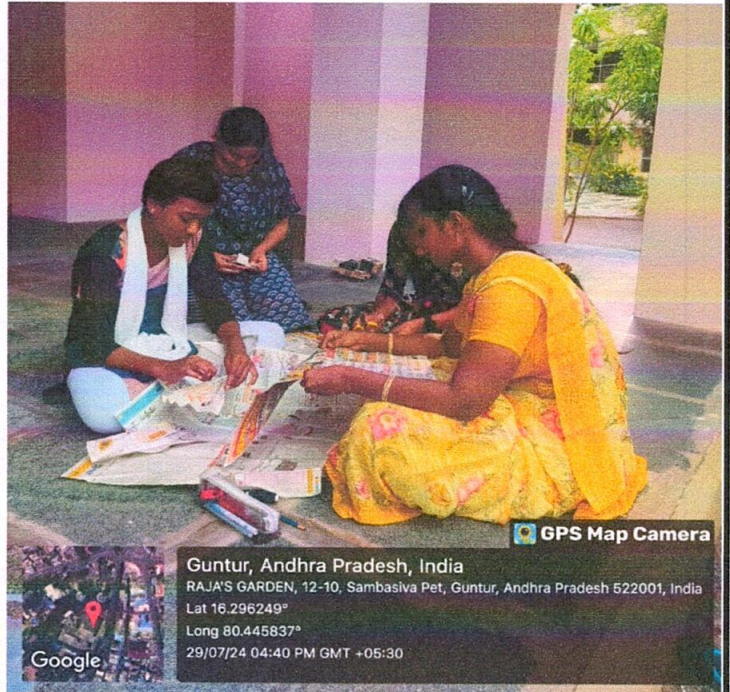
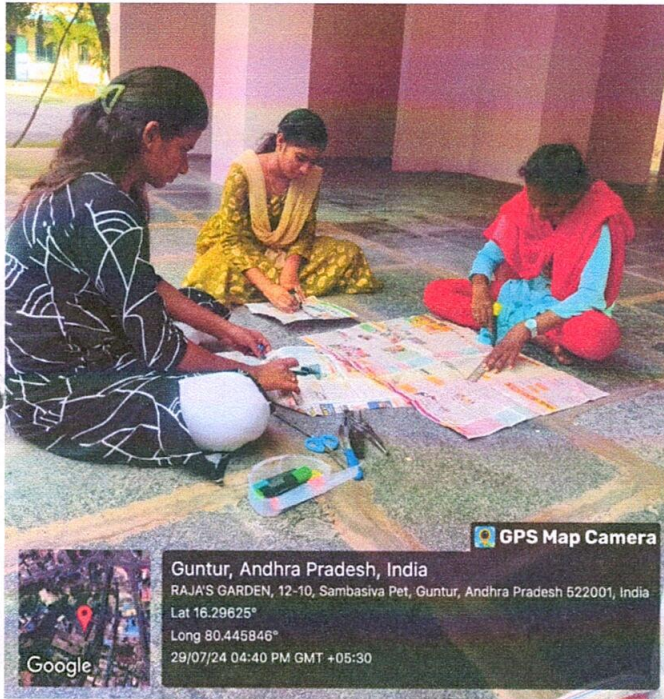
Waste water bottles Monument prepared by B.Ed students for Garden



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Preparation of paper cover

We train the students to prepare paper covers with used notebooks, used papers and newspapers. It is a training to reduce paper wastage and also encourage to reuse. It is environmental sustainable practices for waste management practices.

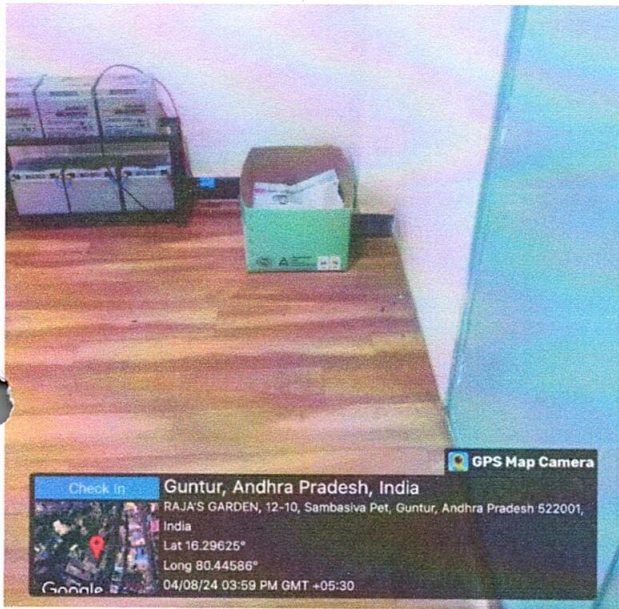


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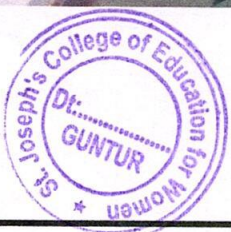
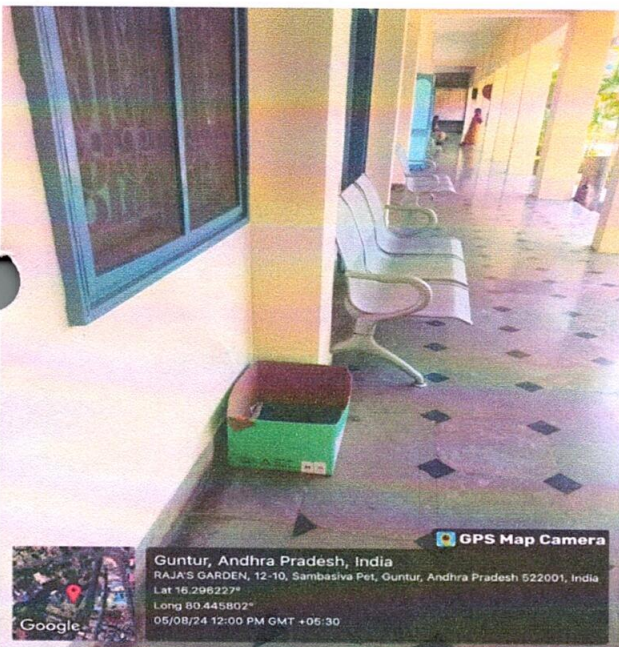
Students are prepared the paper covers with waste and used papers

Cardboard boxes use as Dustbins

For reduce of waste in our institution we use cardboard boxes as dustbins in our staff and office rooms. It is a best waste management practice for our students to reuse/reduce the waste.



The best way to reuse cardboard boxes

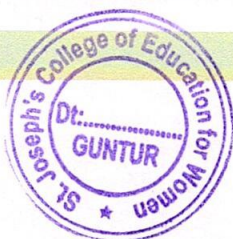
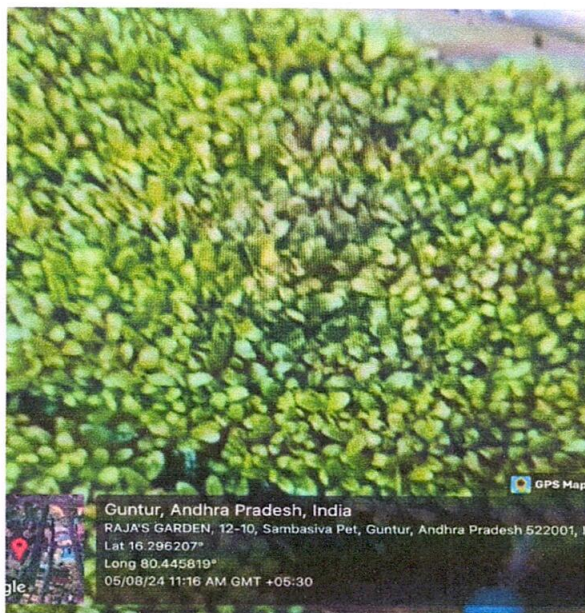


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Waste Management Practices

Kitchen Garden

Preparation of mini and kitchen garden by students by using plastic bottled and tubs and glasses.



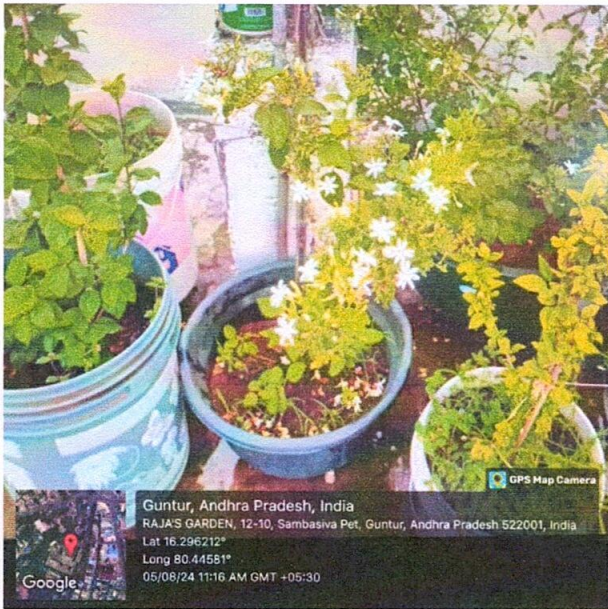
Kitchen Garden maintained by Students

P. Swarnalaxmi
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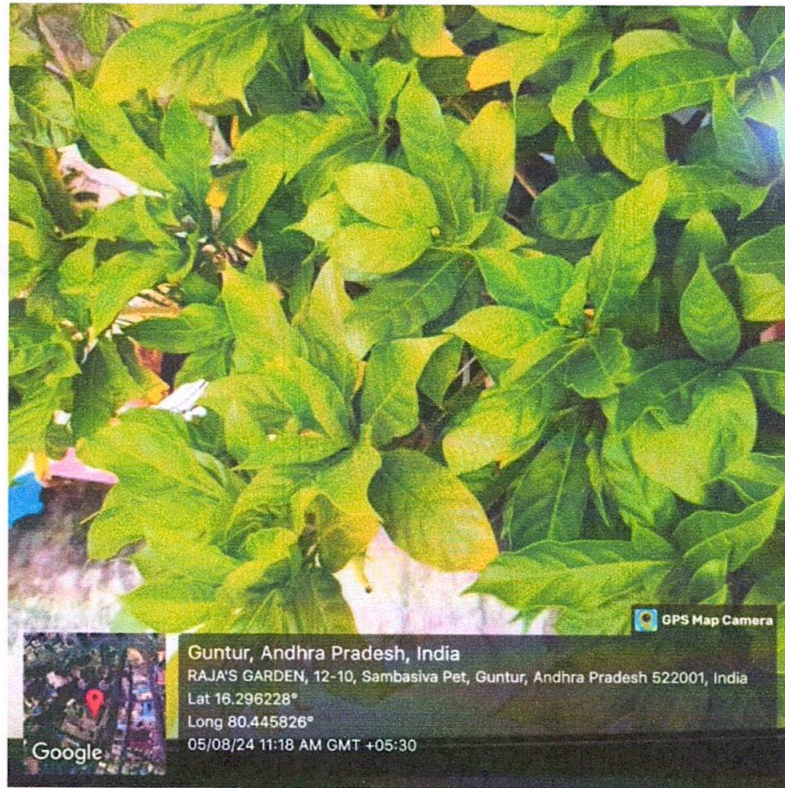
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Roof Garden

As a part of waste management we encourage our students to main roof garden by using of used tubs, plastic buckets, plastic water bottles, and plastic water glass. It is a one of green initiative practices for our students.



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Roof Garden maintained by Our Student



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