



CHILDREN'S EDUCATION SOCIETY (Regd.)
THE OXFORD COLLEGE OF ENGINEERING

(Recognised by the Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi.

Approved by A.I.C.T.E. New Delhi.

Recognised by UGC Under Section 2(f)

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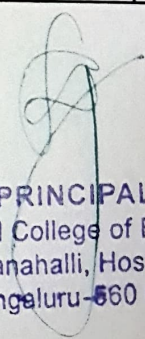
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Geo-tagged Photographs of the Facilities

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Bommanahalli, Hosur Road
Bengaluru-560 068



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1. Solid waste management

The main objective of the solid waste management system in The Oxford College of Engineering is to promote the conservation and environment management in the Institute Campus. The purpose of the current available system is:

1. To introduce and aware students to real concerns of environment sustainability.
2. To secure the environment and cut down the threats posed to human health by analyzing the pattern and extent of resource use on the campus.

The waste generated in the campus includes paper, old assignment books and blue books wrappers, glass, metals, paper, plastics, Old newspapers, used papers and files, workshop scrap etc. are given for given to external agencies where they segregate and dispose/ recycle according to the nature recycling to external agencies. Glass, metals, plastic and other non- biodegradable wastes are of the waste. Sanitary Napkin Incinerators have been installed in the girls' hostels to facilitate disposal of sanitary napkins in an environment-friendly way. We encourage students and staff not to use plastic items. Also we encourage them to reuse the plastic items.



Dustbin at Department Corridor



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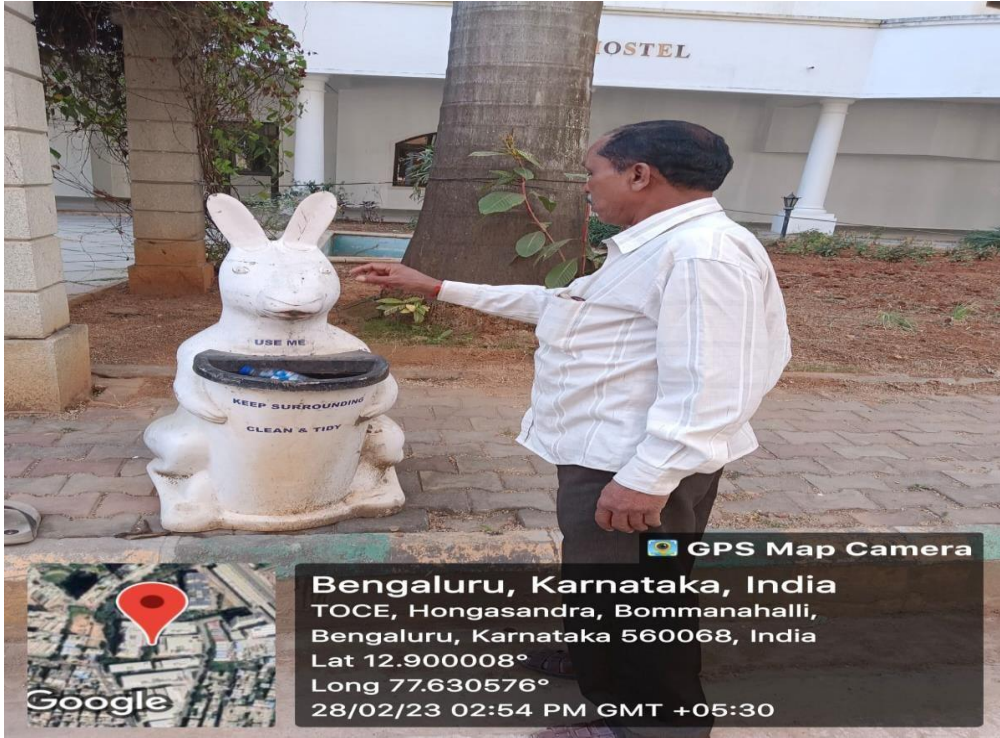
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Dustbin at Hostel



Dustbin at Canteen



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2. Photographs on Solid & Liquid Waste Segregation



Dustbin at College



Dustbin at Parking



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Dry waste of canteen and Hostel





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Wet waste of canteen



Wet waste of Hostel

Liquid Waste Management

The liquid wastes generated in the campus include Sewage, Laboratory, Laundry, hostel and canteen effluent waste. The above waste is treated through Sewage Treatment Plant (STP) setup in the institution. The entire treated water is used for watering the gardens and lawns maintained in the campus. The sludge settled in the STP is removed and is dried on drying beds and used as manure for the gardens. Therefore, the entire waste water generated in the campus is treated and reused.



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3. **Photographs on E- waste Management**

The e-waste consists of CPUs, monitors, projectors, motherboards, keyboards, obsolete computer spare parts, mouse etc. The equipment which cannot be refurbished for re-use is dismantled and remanufactured into raw materials (i.e. metals, plastics, glass) to be marketed as recyclable. UPS Batteries are recharged / repaired / exchanged by the suppliers. The waste compact discs and other disposable non- hazardous items are used by students for decoration during college fests as a creative means of showcasing the waste management practice that has been induced in the minds of the students.



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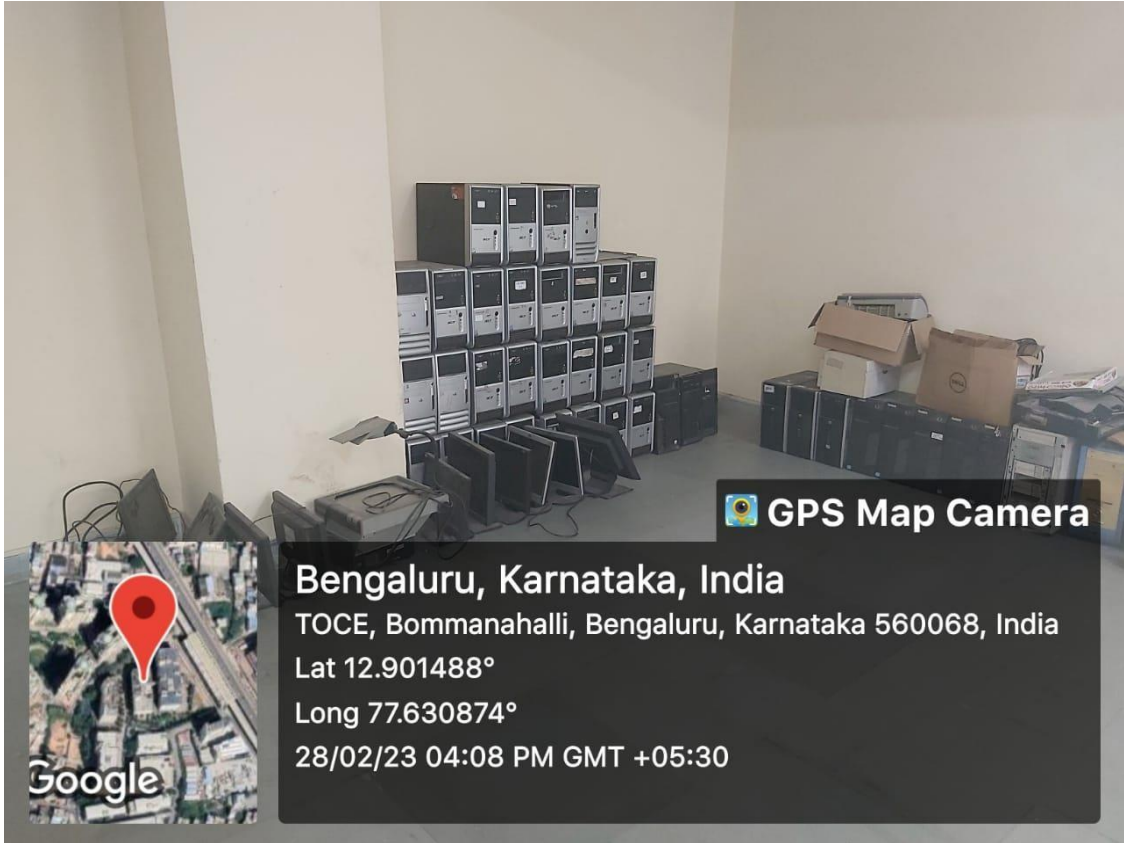
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 **GPS Map Camera**



Bengaluru, Karnataka, India

TOCE, Bommanahalli, Bengaluru, Karnataka 560068, India

Lat 12.901488°

Long 77.630874°

28/02/23 04:08 PM GMT +05:30



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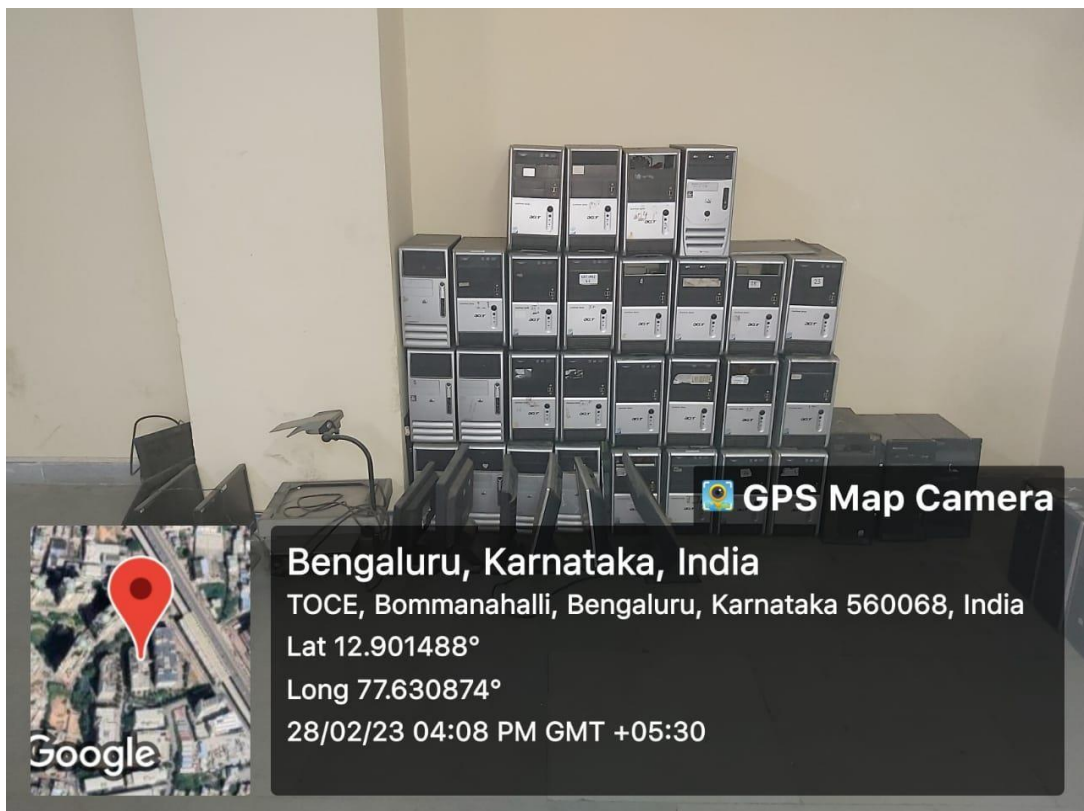
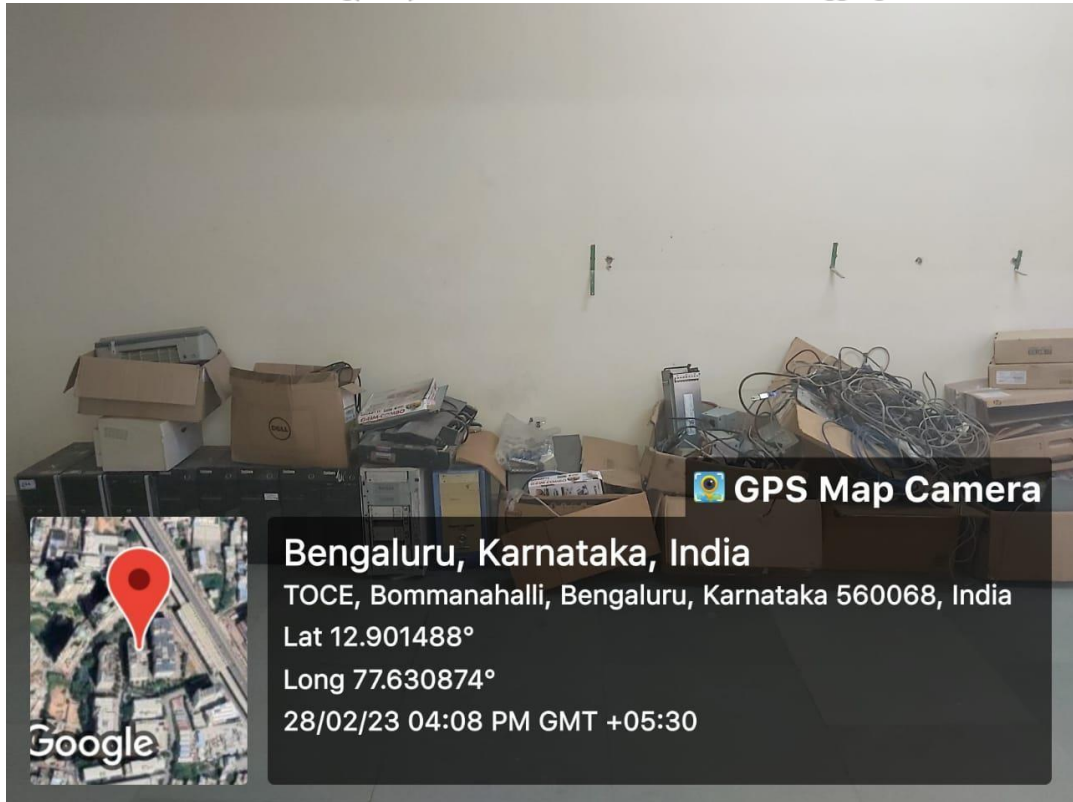
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4.

Water Recycling System



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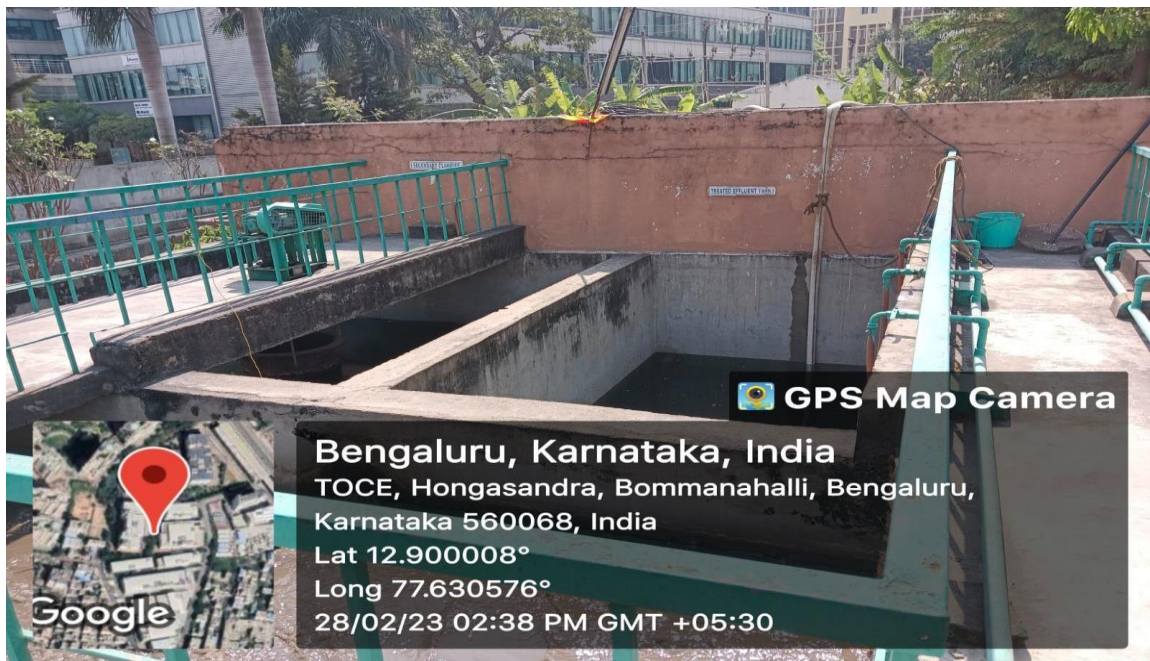
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Water Recycling is the process of treating waste water and putting it back into circulation. The water is treated to filter solids and remove certain contaminants, which can be organic or inorganic. The treatments required depend on the types of contaminants in the water and the desired specification of the purified product.

The waste water from the institute is processed in water recycling system. The purified water is reused for watering of plants and in toilets for flushing.



5. Photographs on Hazardous chemicals waste management



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This indicator addresses hazardous waste, laboratories, medical waste, art supplies, colors, dyes and chemicals used in campus maintenance. Hazardous materials represent significant risks to human health and ecological integrity. They often persist in the environment leaving a legacy of land and water contamination for generations.

It is observed that in the department of Chemistry hazardous chemicals are handled for practical purpose and these hazardous chemical wastes are drain out with basin water directly to the garden and producing negative impact on environment. In some extent it produces an air, soil, water pollution.



6.

Bio - Medical Waste Management



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All medical waste must be disposed of responsibly, even if it is not considered particularly hazardous in order to reduce the risks of human infection, the spread of infections and the emergence of epidemics, it is important to properly sort and dispose of medical waste. The Bio-Medical waste generated by the institutes are segregated and sorted separately in 3 different bins until further processing by the external vendors.



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