

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

Solid waste management:

Solid waste is collected from hostel rooms each morning by housekeeping staff in separate containers and assembled at the waste yard marked as compost pit at extreme end of the campus. Here the dry waste including paper/plastics etc. is segregated and sent in vans to recyclable joints and/or Municipal Corporation dump yard. We encourage students and staff not to use plastic items. Also we encourage them to reuse the plastic items. Many of our students are encouraged for making best from waste items by using plastic bottles etc., NO PLASTIC sign boards are available at various places of the campus to encourage students and staff not to use plastic items.

The waste generated in the campus includes wrappers, glass, metals, paper, plastics, etc., Old newspapers, used papers, workshop scrap etc., are given for recycling to external agency like ITC limited which is started in 2007 with an objective to educate people on recycling of waste to protect environment, conserve natural resources, incubate the habit of source segregation among the citizens, recover the dry recyclable waste which is going in to landfill and make it available for recycling and incentivize the municipal workers. Glass, metals, plastic and other non-biodegradable wastes are given to ITC limited where they are segregated and disposed/ recycled according to the nature of the waste. Leaf litter is allowed to decompose systematically over a period of time to be used as manure for the gardens in the institute.

College adopts almost paperless concept by digitization of office procedures through electronic means via WhatsApp group, email; thus, reducing paper-based waste and reduce carbon dioxide emissions.

Also to encourage paper waste in the aspect of teaching and learning - Sliptests, Quizzes etc, are conducted using various apps and by sharing link to the students. Powerpoints are also shared to student's whatsapp groups by the faculty members to reduce the wastage in paper printing as well as expenses.



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Use of paper printed on one side is encouraged in print drafts before final document, meeting minutes, memos and notes in office practices as environmentally preferred alternative to waste management.

Biodegradable kitchen waste from mess and cafeteria is collected in separate bins. Horticultural waste such as dried leaves, twigs, and plant clippings is collected from all around the campus and used for vermicomposting. Dustbins have been installed throughout campus for waste segregation. The chemical bottles which are made by plastic and used vehicle tyres were used for plantation that gives impressive landscape look garden of the institution.

Students are encouraged to use waste paper and newspaper in creative practices during various extracurricular activities.

Liquid Waste Management:

Liquid waste is generated from Science laboratories, Hostels, Residential quarters and canteen. Liquid wastes generated are of two types:

- Sewage Waste
- Laboratory, Residential washing and canteen effluent.

The liquid wastes are mainly drained to improve the ground level of water.

Hazardous Chemicals are kept separately in the laboratory away from the reach of students. Lab In-charge and lab-assistant takes care of the chemicals and safety norms in the laboratory are strictly followed. Students are made aware of the hazardous chemicals and safety aspects when they are given instructions before utilizing the chemicals. The chemicals are wisely utilized for the batches of students in morning and afternoon under the guidance of faculty. Water for washing and rinsing of glassware for cleaning is done with regular water in low amounts. The Chemicals used in the experiments are diluted and after usage the chemical waste gets mixed with routine waste water.

The rain water and the water which is over floated from water tanks are diverted towards lawn/garden through pipe lines.

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Biomedical waste management:

For biomedical waste there is a classification of the waste in hazardous and non-hazardous or infectious and other hazardous. For the personal protection the institute has been advised to use masks while handling the waste. Moreover, wearing head gears, eye covers, apron, gloves and boots as they help in fighting the transmission of infection. Waste generated by healthcare activities includes a broad range of materials, from used needles and syringes, blood, chemicals, pharmaceuticals, medical devices. All medical waste materials are segregated at the point of generation, appropriately treated and disposed of safely.

The laboratory animal waste is disposed separately and safely by technical attendee to avoid zoonoses. Separate colored bins are arranged in laboratories where biomedical waste is generated. Awareness is created through foam boards in the institution regarding biohazards.

E-waste management:

Electronic goods are put to optimum use; the minor repairs are set right by the laboratory assistants and the major repairs are handled by the support of technical assistants. 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. Input devices like keyboards which are of no use are utilized by students for their typing practice and teaching in a very basic level. UPS Batteries are recharged / repaired / exchanged by the suppliers. The waste compact discs and other disposable non-hazardous items are used by students for scrap art in extracurricular activities.

Any other relevant information:

The institution conducts academic exhibition annually (Pharmacy Science Exhibition) where the participants from schools and colleges are invited. As a part of this, the students of the institution makes exhibits by using solid waste like papers, water bottles, iron pieces, rubbers and other e – waste like tube lights, bulbs and CPU fans.

Also institution held various events like scrap art, essay writing, painting on the eve of World water day in association with NSS unit and ISPOR chapters.



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