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| <p><b>7.1.3</b></p> <p><b>QIM</b></p> | <p><i>Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words)</i></p> <ul style="list-style-type: none"> <li>• Solid waste management</li> <li>• Liquid waste management</li> <li>• Biomedical waste management</li> <li>• E-waste management</li> <li>• Waste recycling system</li> <li>• Hazardous chemicals and radioactive waste management</li> </ul> <p><b>Provide web link to</b></p> <ul style="list-style-type: none"> <li>• Relevant documents like agreements/MoUs with Government and other approved agencies</li> <li>• Geo tagged photographs of the facilities</li> </ul> |
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### **Solid Waste Management :**

- The College has collaborated with an NGO, Stree Mukti Sanghatana and installed an organic waste management system on campus to take care of the waste generated by the college canteen and garden. The project is partially funded by United Nations Development Programme (UNDP) and Ministry of Environment and Forests (MOEF). The final compost produced is used as manure for trees and plants in the complex.
- Efforts are taken to minimize the carbon footprints by adopting achievable measures such as: Dead leaves and waste papers are not burnt to restrict Carbon emission and ensure carbon neutrality. Leaves are buried in the designated pit and are treated as biodegradable waste to convert into fertilizer.

### **Solid Waste Management Unit**



### **Multi layer Plastic (MLP) collection & its recycling :**

- Safai Bank of India Project ( Program by Mumbai Sustainability Cente): The College has collaborated with NGO Happie Foundation for collection and recycling of

Multilayered Plastic (MLP) waste from the campus. The collected waste is disposed as per the rules in a process called co-processing .

The NGO 'Happie Foundation' managed by our alumnus Mr. Vishal Sahani , collects plastic wrappers from canteen as well as from college students & recycle it which is used as road construction material to cover potholes. His foundation visits college premise for the awareness of plastic ban & recycling process of plastic.



### Liquid Waste Management :

- To reduce chemical uses & its waste , Chemistry department of our college adopt micro level experiment method while using chemicals.

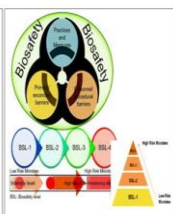
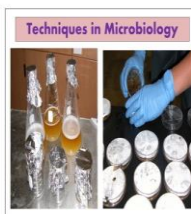
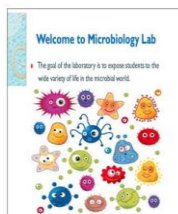
### Biomedical waste management :

- At UG level, students are performing microbiology experiments which requires training. Inhouse faculty of college conducted Online training / Lecture series on "How to handle Microbes in Lab" with ppt for SYBSC (CB) & TYBSC (AC) Students. The topics selected for training included " Microbes around Us." Various Sterilization techniques, Instruments used, Lab safety wear, Various Media preparation, Slants & petriplate pouring, Isolation & identification of of Microbes , Lab safety rules in Microbiology lab (Lab BSL 1 to BSL 4 levels)

# Microbiology Lab Techniques



## “How to handle microbes in Lab”



Theories and principles were explained to students for the new experiments.

## E -waste management :

- College facilitates for collecting the e-waste from the College for recycling. The facility is also extended to staff and students thus sensitizing them towards e-waste management. The College has received a certificate from the NGO ‘Parisar Bhagini Vikas Sangh’ appreciating its efforts towards reducing the carbon footprints.

## Waste recycling system : NA

## Hazardous chemicals and radioactive waste management :

- Hazardous chemicals are not used by any of the laboratories. However strong solutions from Chemical laboratories are neutralized before being disposed of from Laboratory.
- Experiments related to chemicals are done at microlevel to reduce pollution.
- **Any other relevant information :**
- Measures to reduce usage of paper have been adopted by replacing the use of papers with e-communications wherever feasible.
- College is taking initiatives towards Paperless Administration