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H.K.E. SOCIETY'S
BASAVESHWAR COLLEGE OF EDUCATION,
BVB CAMPUS, MANHALLI ROAD, BIDAR – 585 403 KARNATAKA, INDIA.
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CRITERION –VII

Institutional Values and Best Practices



7.1 – INSTITUTIONAL VALUES AND SOCIAL RESPONSIBILITIES

7.1.3 Institution waste management practices


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NOTICE

It is hereby informing that, our college is setting some rules for the disposal of waste. All teaching, non-teaching staff and students are informed to follow the following rules.

- All biodegradable wastes should be put in green dustbin
- All non- biodegradable wastes should be put in blue dustbin.
- All E-waste should be put in red dustbin.
- Plastics below 50 microns are banned in college premises

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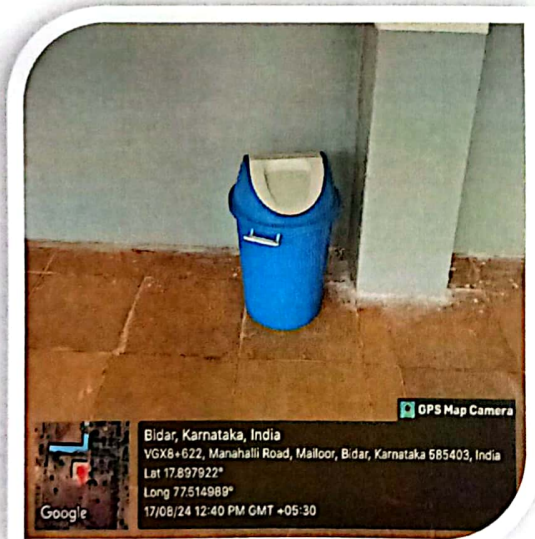
Segregation of waste

Management of the various types of degradable and non-degradable waste

Our college segregates biodegradable waste and provides designated bins for collection. The partnering institution, specializing in waste management, takes responsibility for regular waste collection and transportation to their composting or anaerobic digestion facilities.

Our college demonstrates its commitment to environmental sustainability and responsible waste management, while benefiting from the expertise and infrastructure of the partnering institution. Together, we contribute to a cleaner and greener campus environment.

A systematic waste management system has been established in our institution to ensure proper disposal and recycling practices. Different bins are strategically placed throughout the college for the segregation of recyclable, organic, and non-recyclable waste. The college community, including students, faculty, and staff, is actively encouraged and educated about the importance of waste segregation through campaign. Biodegradable wastes are sent for composting and non-biodegradable wastes are picked by Municipal Corporation. Usage of plastic is discouraged with in the premises of the college. Overall, the college's efforts in segregating solid waste contribute to a cleaner and more sustainable environment.



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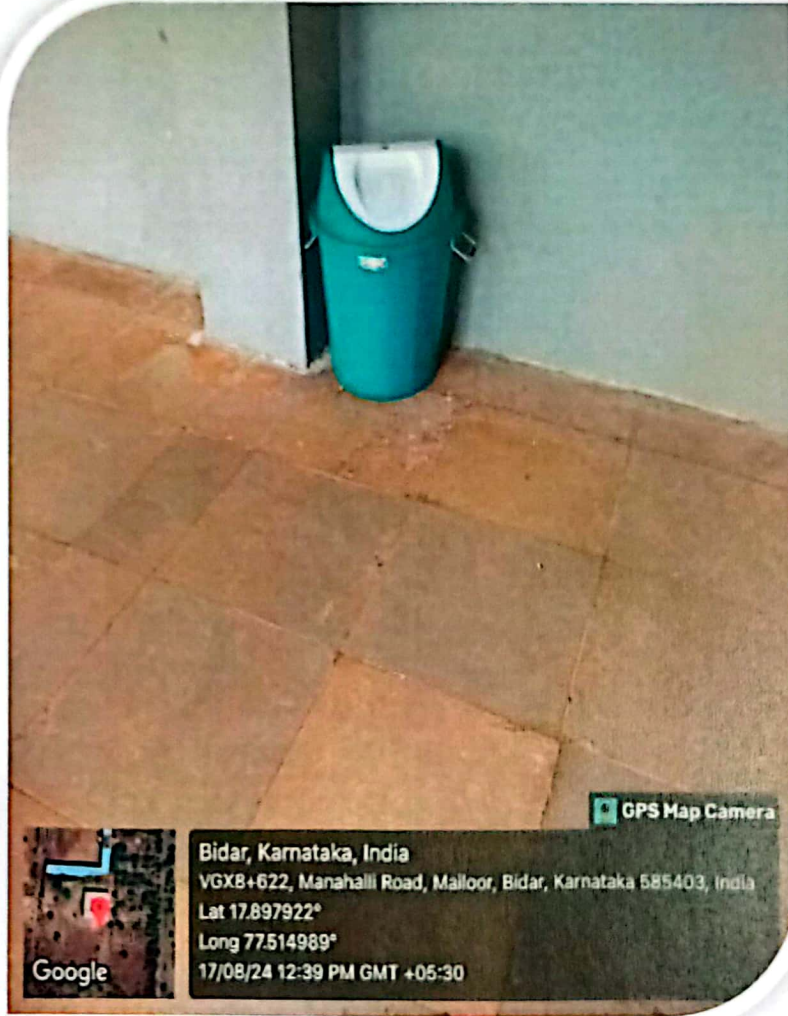
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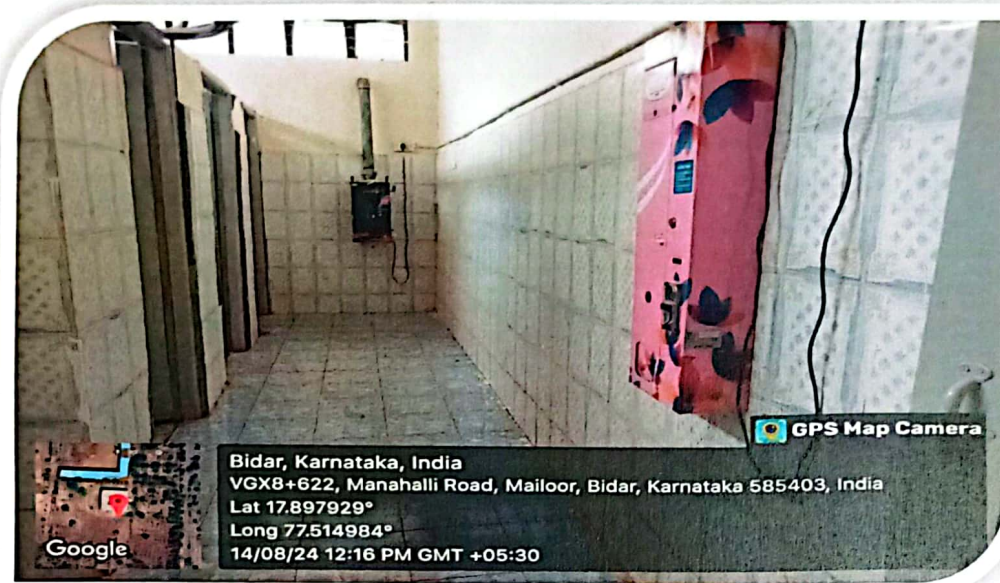
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Segregation of waste

Our College of Education has implemented a sanitary pad burning machine to promote proper disposal of sanitary pads. The machine efficiently burns used pads, minimizing environmental impact. Its user-friendly design and safe operation ensure a hygienic and sustainable solution for managing menstrual waste on campus.



Pad burning machine

Our College of Education, an efficient waste management system has been implemented, utilizing various bins for different types of waste. The college has designated bins for recyclables such as paper, plastics, and glass, promoting environmental responsibility. Additionally, organic waste is collected separately, contributing to sustainable practices and reducing landfill waste. Hazardous materials, like batteries and electronics, have their designated containers to ensure safe disposal. The college also encourages students and staff to reduce waste through awareness campaigns and by providing reusable options like water bottles and food containers. Regular educational programs reinforce the importance of proper waste segregation. This comprehensive approach to waste collection ensures a cleaner fosters an environmentally conscious community within the teacher education college.


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For vermicompost production, a multitude of organic substrates can be used. In deciding for or against certain substrates, individual circumstances must be taken into account. In Our College campus has utilized the best combination of waste generated in the campus. Substrates we have successfully used in vermicompost production are.

- Agricultural manure: eg, cow dung, chicken droppings, dung
- Kitchen waste - peeling of vegetables and fruits, stale food etc.
- Agricultural by-products: eg, leaves, harvest residues
- Renewable resources: eg, crop silage, hay, cereals, beets

Vermicomposting is a scientific method of composting using earthworms. They usually live in the soil, eating biomass and excreting it in decaying form. Rumiiculture means "worm farming". Earthworms feed on organic waste material and excrete in the form of "rubicasts" rich in nitrates and minerals such as phosphorus, magnesium, calcium and potassium. These are used as fertilizers and improve soil quality. Recomposing involves two methods

Pit Method: This method is not ideal because it involves poor aeration and drainage problems. However organic matter is collected in cement pits.

Bed Method: This is an easy method of making beds of organic matter.

In our college we have mainly followed pit method for vermicompost production. Procedure

1. For making compost, a concrete tank can be used.
2. Collect the biomass and keep it in sunlight for about 8-12 days.
3. Prepare cow dung slurry and sprinkle it on the pile for quick decomposition.
4. Add a layer of soil or sand to the bottom of the tank.
5. Later prepared a good bed by adding partially dry leaves, decomposed cow dung and other biodegradable wastes collected from fields and kitchen.
6. Continue to add both chopped bio-waste and partially decomposed cow dung to the tank layer wise to a depth of around 1.0 feet.
7. After adding all the organic waste, leave the earthworm species on top of the mixture and cover the compost mixture with dry grass.



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8. The moisture has been maintained regularly by spraying water.
9. Cover the tank with a roof to prevent entry of ants, lizards, rats and etc. and to protect the compost from rainwater and direct sunlight.
10. Check the compost frequently to avoid overheating. Maintain proper humidity and temperature.

The major benefits of vermicomposting are:

1. Develops plant roots.
2. Improves the physical structure of the soil.
3. Vermicomposting increases soil fertility and water resistance.
4. Helps in germination, plant growth and crop yield.
5. Nourishes the soil with plant growth hormones like auxin, gibberellic acid, etc.



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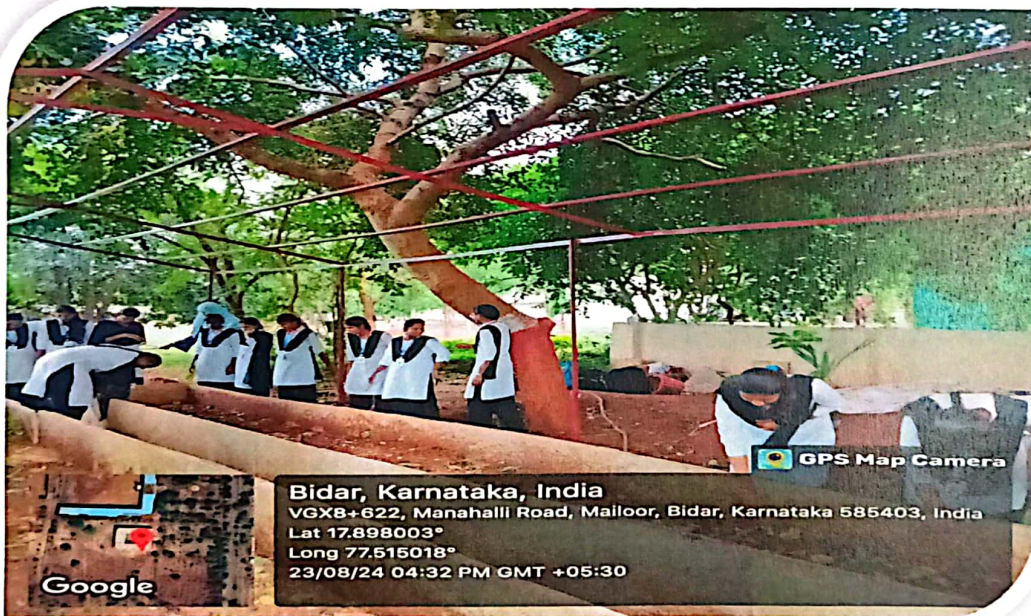
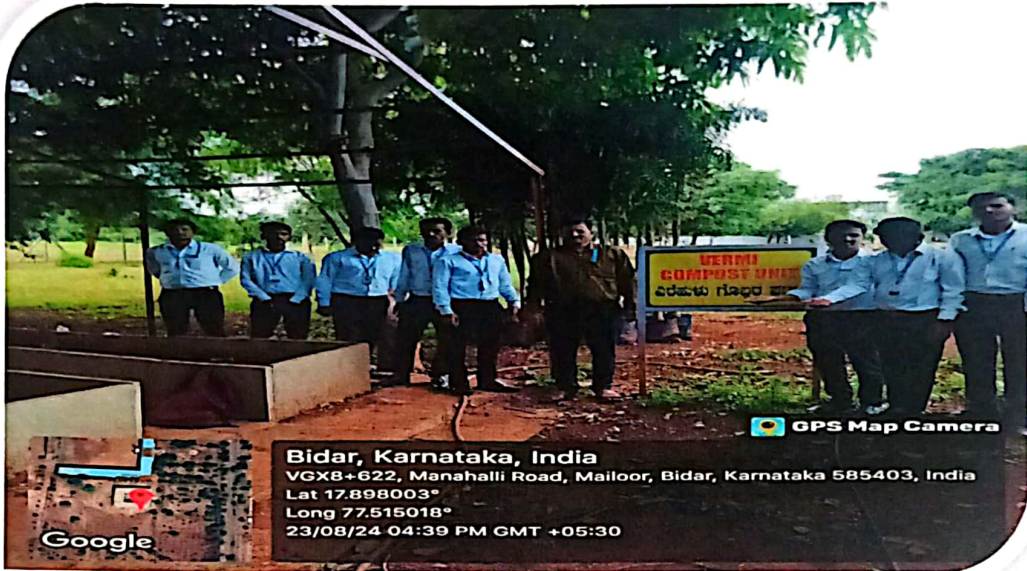
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The waste management cell in the institution was established in 2019 with the purpose to provide hygienic, efficient and economic activities to manage solid waste without polluting the atmosphere, soils and water system. The cell works to fulfill specific objective which are necessary to fulfill the motto of, 'reduce. Recycle and reproduce.

OBJECTIVES

- ❖ To ensure waste management is performed in accordance with all waste.
- ❖ To ensure safe handling and storage of waste in the college.
- ❖ To promote holistic approach of waste management in the campus.
- ❖ Disposal of water in cost effective manner.
- ❖ To provide appropriate training, code of conduct for staff, students and other stakeholders on waste management issues.
- ❖ To invest into the expansion of recycling opportunities in the college and transform waste into value added product.
- ❖ To minimize waste generation at source and facilitate repair, reuse and recycling.
- ❖ To provide clearly defined roles, responsibilities to identify and co-ordinate each activities of waste management.

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The **waste management cell** in the institution was established in 2019 with the purpose to provide hygienic, efficient and economic activities to manage solid waste without polluting the atmosphere, soils and water system. The members of the cell as a follows:

Sr. No	Name	Designation	Contact
01	Smt. Shilpa Hippargi	Asst. Professor	9480757016
02	Shri. Rajkumar Sindhe	Asst. Professor	9886638766
03	Smt. Kavita Hiremath	Asst. Professor	9986001115
04	Shri Dhanraj Bhoura	Physical Dir.	9886429323

The cell arranges meetings twice a year to discuss important matters related to effective waste management at institution level and issues notice time to time with the purpose to make institution eco-efficient and orientate the faculty and students about. The action plan is implemented with the help of college Beautification committee. The cell provides information about the recyclable material, hazardous radioactive waste. The cell updates waste management procedure on regular basis. Meetings, seminars and extension lectures are organized by the cell form time to time in order to encourage the staff and students about preference on minimization and landfill disposal.

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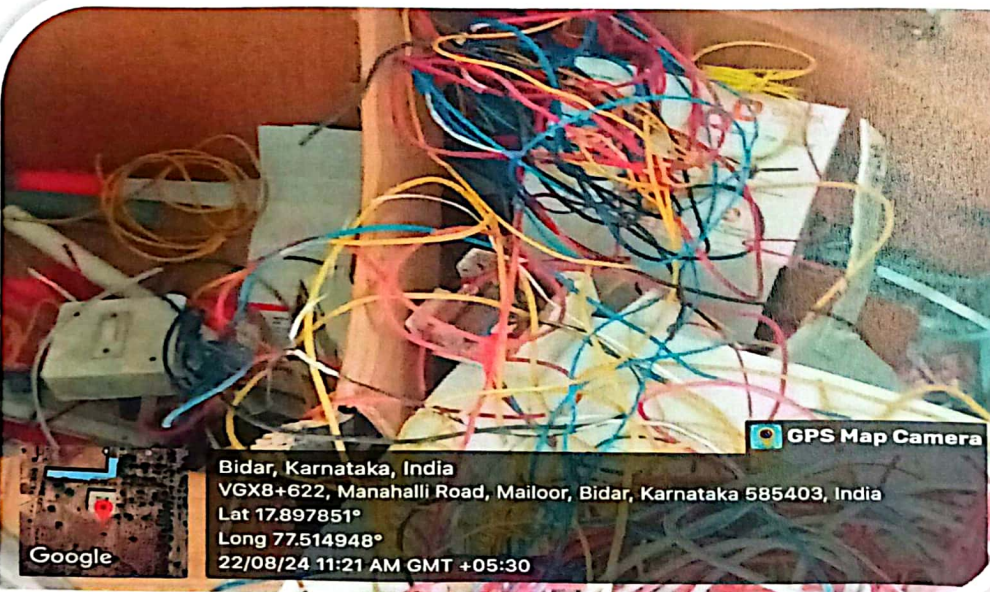
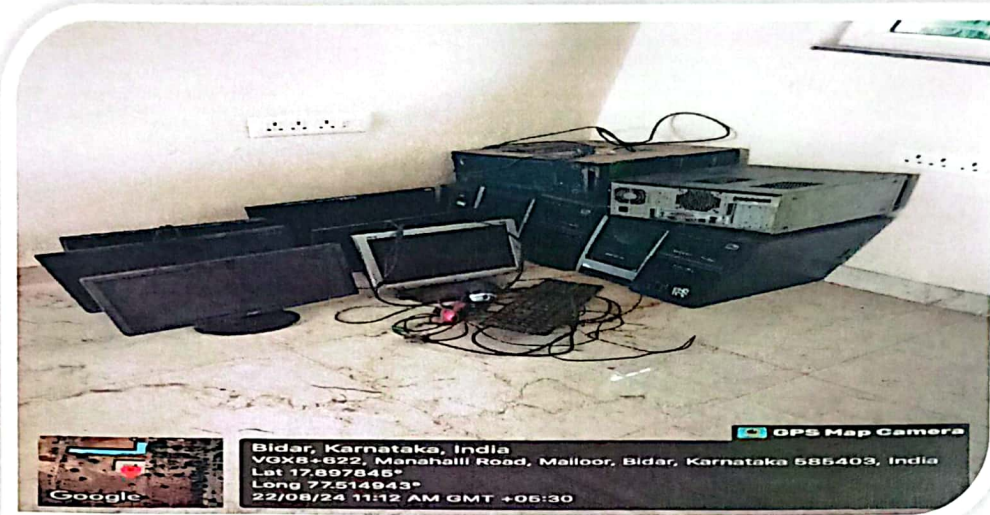
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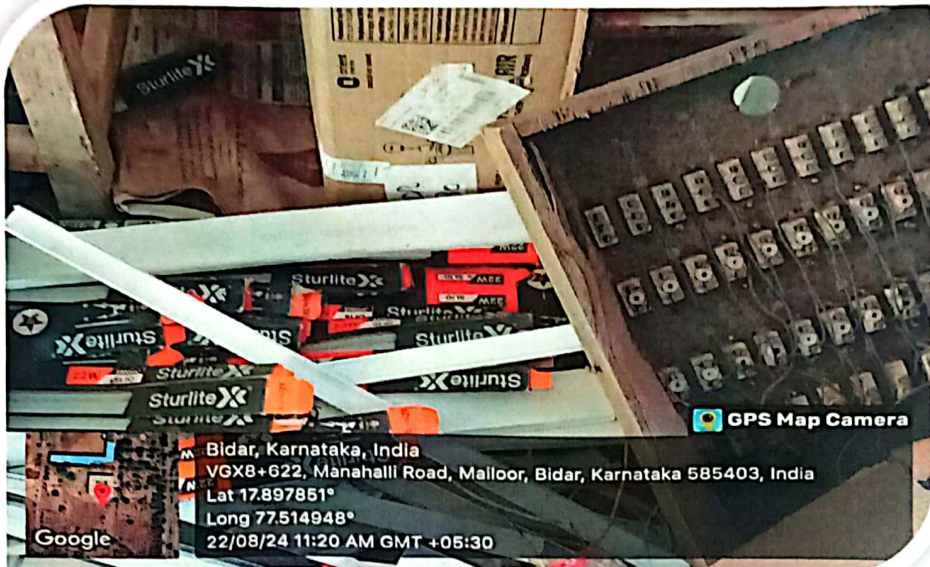
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