## Industrial Expert Session

on

# AWARENESS PROGRAMME ON E-WASTE MANAGEMENT

#### JOINTLY ORGANISED BY REGIONAL OFFICE- GPCB, MEHSANA, M/S BASANT CLEANEVIRO LIMITED Mechanical & Mechatronics Engineering Department- GANPAT UNIVERSITY

5<sup>th</sup> June World Environment Day



E-Waste Management: A Crucial Step on World Environment Day

On World Environment Day, it's imperative to highlight the critical issue of electronic waste (e-waste) management. As technology rapidly advances, the volume of discarded electronic devices like smartphones, computers, and household appliances has surged, posing significant environmental and health risks.

E-waste contains hazardous materials such as lead, mercury, and cadmium, which can contaminate soil and water, endangering ecosystems and human health. Moreover, improper disposal methods, including burning and landfilling, release toxic emissions into the atmosphere, contributing to air pollution and climate change.

Effective e-waste management involves several key strategies:

Reduce: Minimizing electronic waste starts with reducing consumption. Opting for durable, high-quality products and resisting frequent upgrades can significantly cut down e-waste.

Reuse: Extending the life of electronic devices through repair, refurbishment, and donation can mitigate the volume of waste generated.

Recycle: Proper recycling processes ensure valuable materials are recovered and reused, reducing the need for new raw materials and preventing hazardous substances from polluting the environment.

Governments, manufacturers, and consumers must collaborate to establish efficient e-waste management systems. Policies promoting recycling, take-back programs, and responsible manufacturing practices are essential. Additionally, public awareness campaigns can educate consumers about the importance of proper e-waste disposal and the available resources for recycling.

On this World Environment Day, let's commit to responsible e-waste management. By taking proactive steps to reduce, reuse, and recycle electronic waste, we can protect our planet and promote a sustainable future for generations to come.

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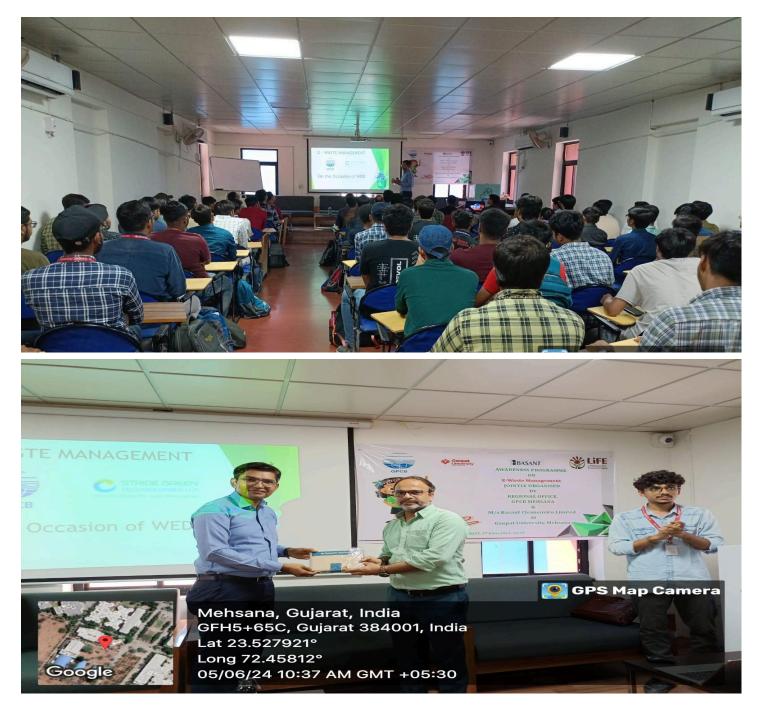
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