ST. ALOYSIUS' COLLEGE

AUTONOMOUS

JABALPUR- 482001

MADHYA PRADESH, INDIA

CRITERION-7

INSTITUTIONAL VALUES AND BEST PRACTICES

Key Indicator – 7.1

Institutional Values and Social Responsibilities

Metric No.: 7.1.3

Environmental Consciousness and Sustainability

Document Name

Ewaste Management

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Environmental Consciousness and Sustainability

7.1.3 Facilities in the Institution for the management of the following types of degradable and non-degradable waste

E-Waste Management

Dump of E-waste

Modes of E-waste Mangament

Enhancing Sustainability with System Upgrades

- Proactive Upgrades: The institution adopts a proactive strategy by regularly updating computer systems to minimize e-waste. This keeps our electronics up-to-date and functional, avoiding early disposal.
- Extended Device Lifespan: System upgrades prolong the life of electronic devices, decreasing the need for frequent replacements and helping conserve resources**.**

Responsible E-Waste Disposal:

- The disposal of e-waste is managed through agreements with scrap vendors who strictly comply with government regulations and adhere to the guidelines set by the M.P. Pollution Control Board.

Streamlined Tech Redistribution to Support Education

- Refurbished old computers are repaired and updated before being provided to diocesan schools and hostels within the institution's network. This initiative not only enhances educational resources at sister institutes by equipping them with

necessary technology but also helps minimize electronic waste, supporting sustainability.

Student Engagement

- Students are provided with the opportunity to work with old PC parts, offering them hands-on experience with hardware components and electronic repair techniques. This practical learning enhances their understanding of computers and their components, deepening their skills in a real-world context.

E-Waste and Learning Opportunity

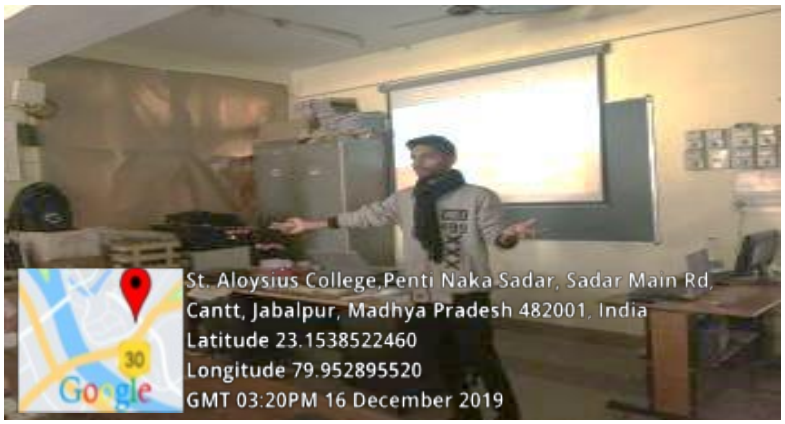
- E-waste is utilized for educational purposes, with various workshops and training programs conducted to raise awareness among students. These sessions enable students to create new devices from old PC parts, enhancing their practical skills and understanding of electronics recycling.

Aagaz 2019

Date: 16th Dec 2019

Time: 10:00 am to 4:00 pm

The Department of Computer Science orchestrated AAGAZ 2019, a pioneering event tailored to spotlight e-waste management and encourage innovative reuse initiatives. This dynamic fest drew participation from 16 teams from diverse educational institutions.



Learning Outcomes:

This segment of the fest served as a rallying point for students to channel their creativity and ingenuity toward crafting solutions for the burgeoning e-waste crisis.

Training session on e-waste management

Date: 7th Dec 2019

Time: 12 pm

Classes Attended: BSc Students

Number of Beneficiaries: 45

A training session on e-waste management was conducted for BSc students , focusing on the innovative repurposing of discarded materials . During the session, students were instructed on how to create flashlights using empty ink bottles and other scraps . This hands -on activity aimed to raise awareness about the importance of reducing e-waste and promoting sustainable practices.

Learning Outcomes:

Through practical demonstrations and guidance , participants learned how to transform seemingly useless items into functional and environmentally friendly products . The session not only provided valuable skills in upcycling but also instilled a sense of responsibility towards waste management and conservation

E-waste activity

Date: 20 Dec 2022

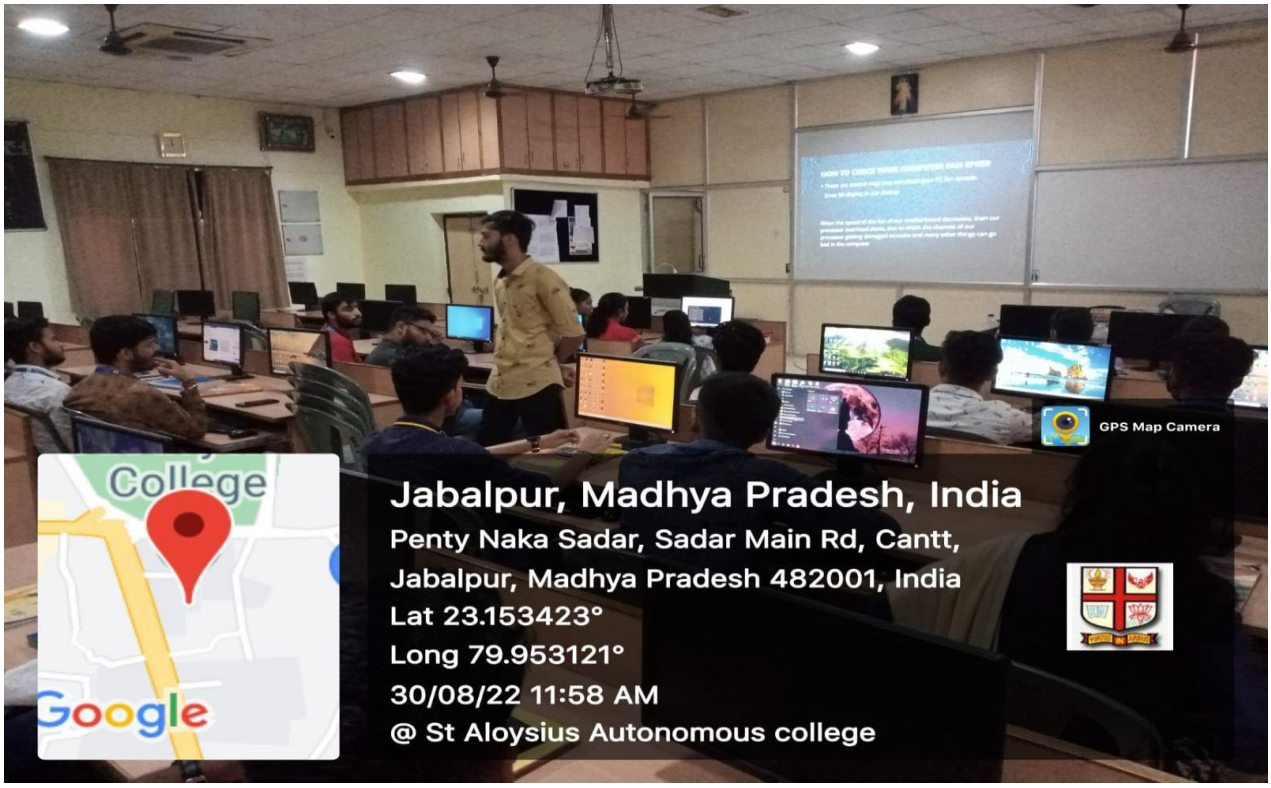
Time: 11 am

Number of Beneficiaries: 55

An e-waste activity was conducted focusing on training students in reusing old PC parts to create innovative devices. The session aimed to educate participants about the environmental impact of PC waste while emphasizing the potential for reuse and recycling. Through practical training, students learned how to repurpose old PC parts to craft useful devices, like cooling fan, lights etc.

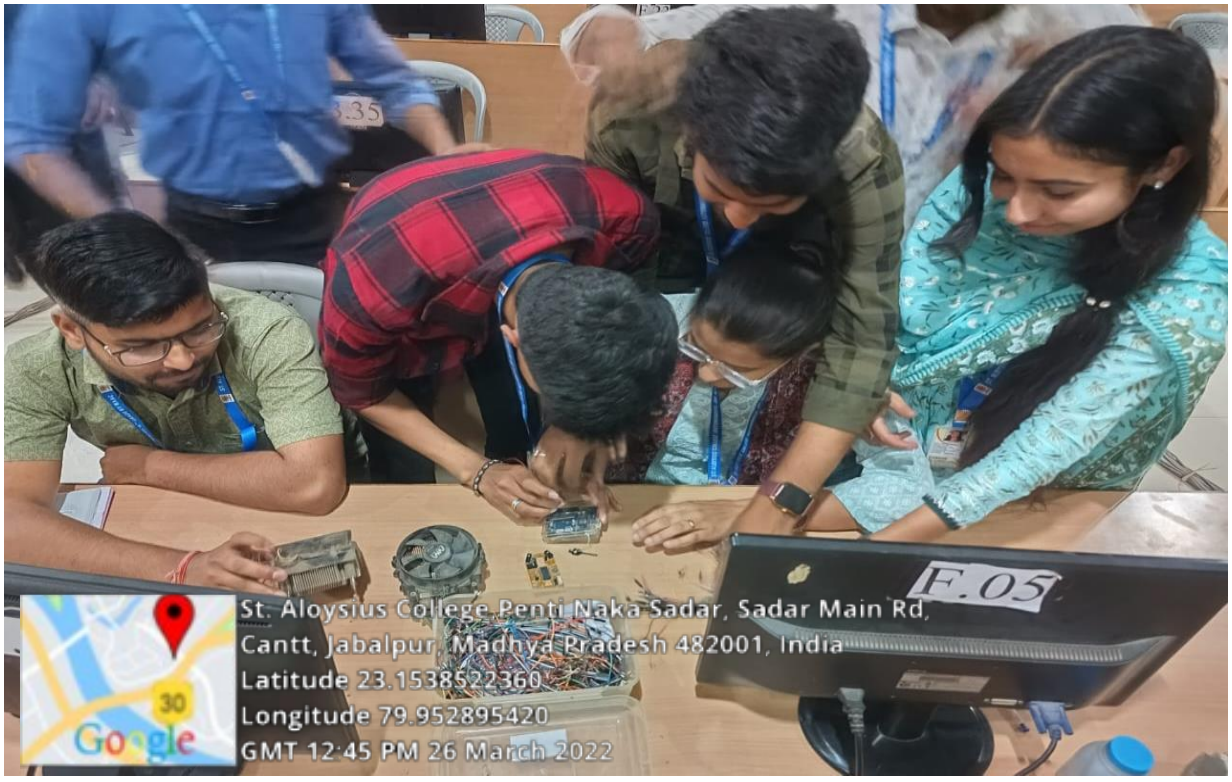
Workshop on Electronic Waste Management

On August 30, 2022, the Computer Science Department hosted an electronic waste management workshop led by Mr. Alok Shrivastav. He highlighted the environmental dangers of improper e-waste disposal and emphasized recycling's importance. During the workshop, participants learned how to repurpose old PC parts into useful devices, gaining practical skills in upcycling electronics to help reduce e-waste. The event aimed to raise awareness and promote sustainable practices in handling electronic waste.



Workshop on PC scrap recycling

On March 26, 2024, the Computer Science Department conducted a workshop on PC scrap recycling. This event educated students on reusing PC components, like fans and cables, to create new items. Through practical activities, participants learned how to convert old PC parts into useful products, promoting sustainability and reducing electronic waste. The workshop emphasized the importance of responsible disposal and encouraged eco-friendly practices, enhancing environmental awareness within the department.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Cantt, Jabalpur, Madhya Pradesh 482001, India
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Longitude 79.952895420
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St. Aloysius College,Penti Naka Sadar, Sadar Main Rd,
Cantt, Jabalpur, Madhya Pradesh 482001, India
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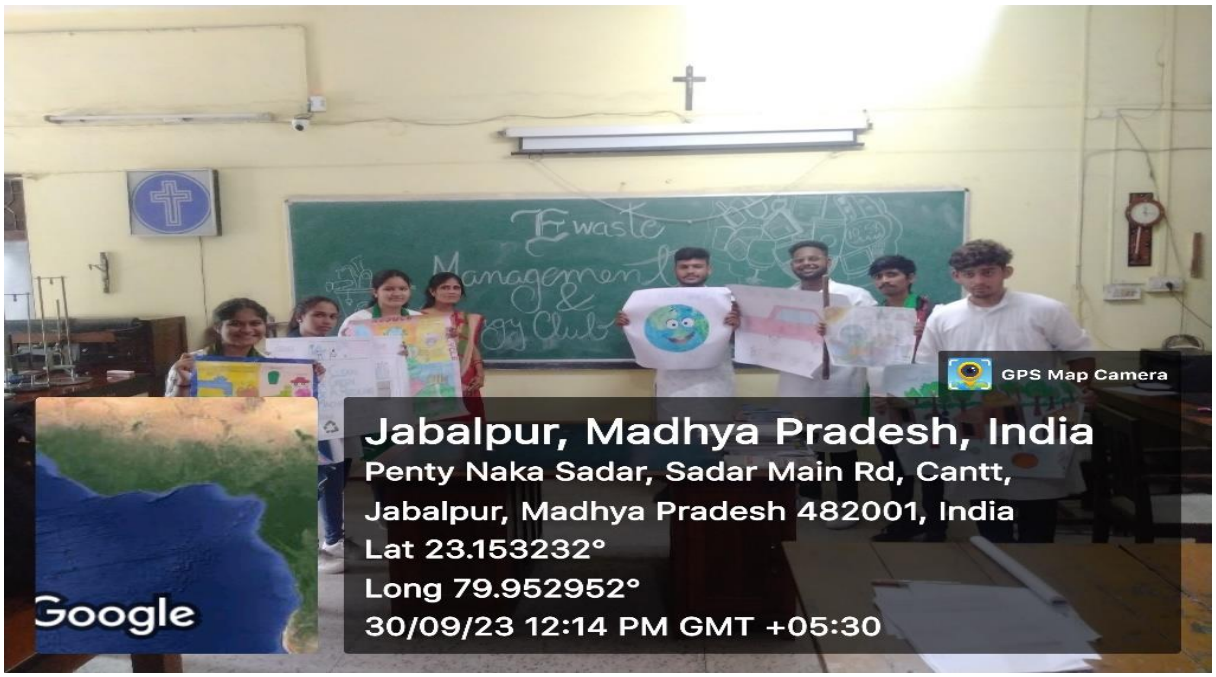
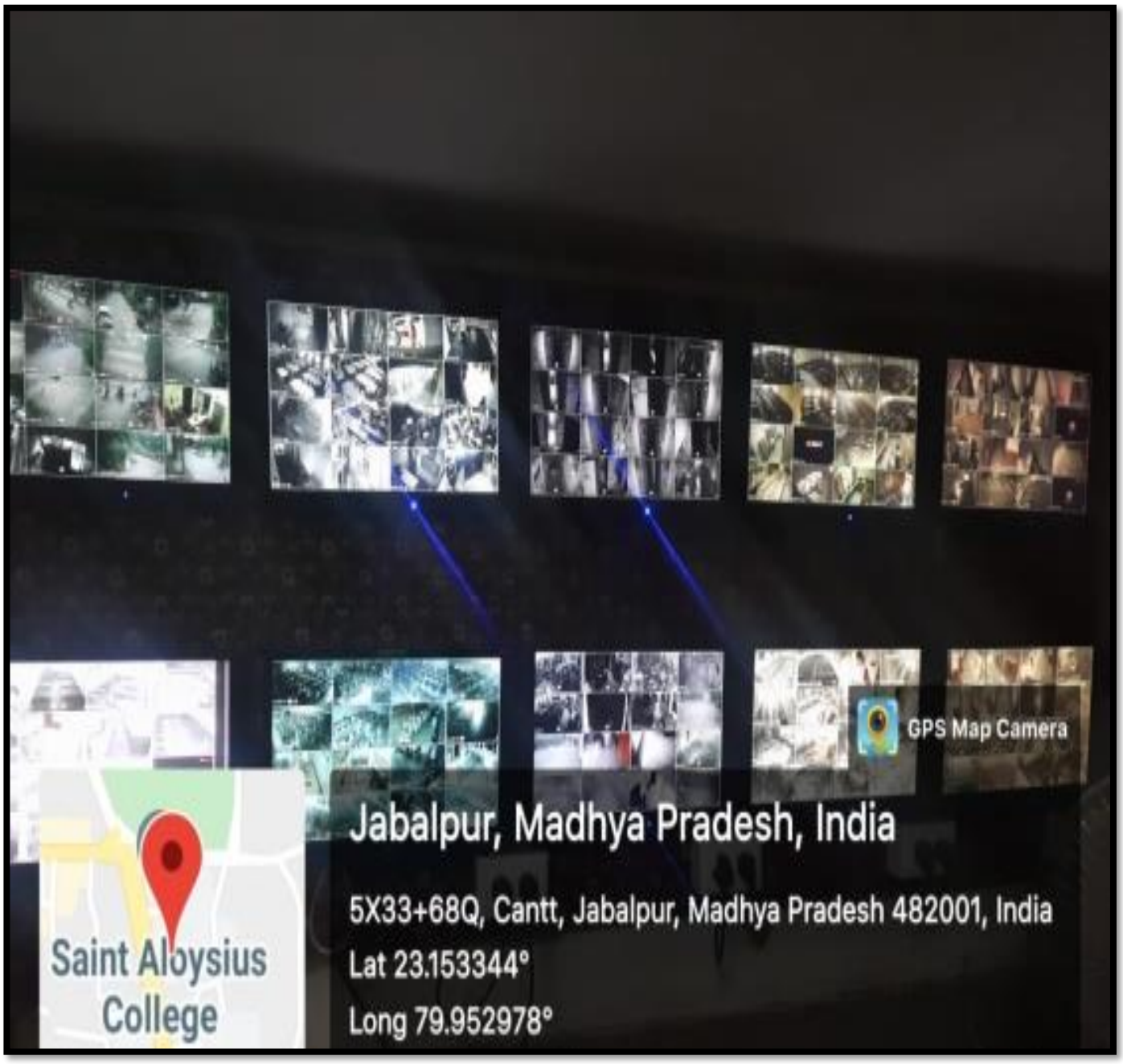
Poster Competition on E-waste Protocols

30th Sept. 2023



Using old monitors for CCTV monitoring

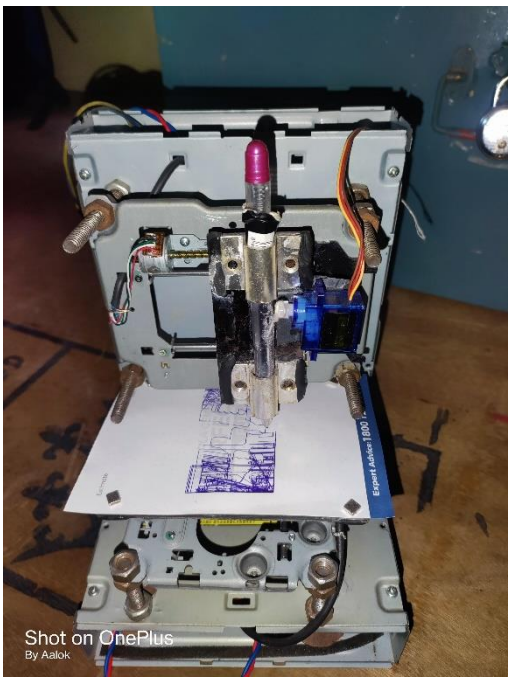


Impact

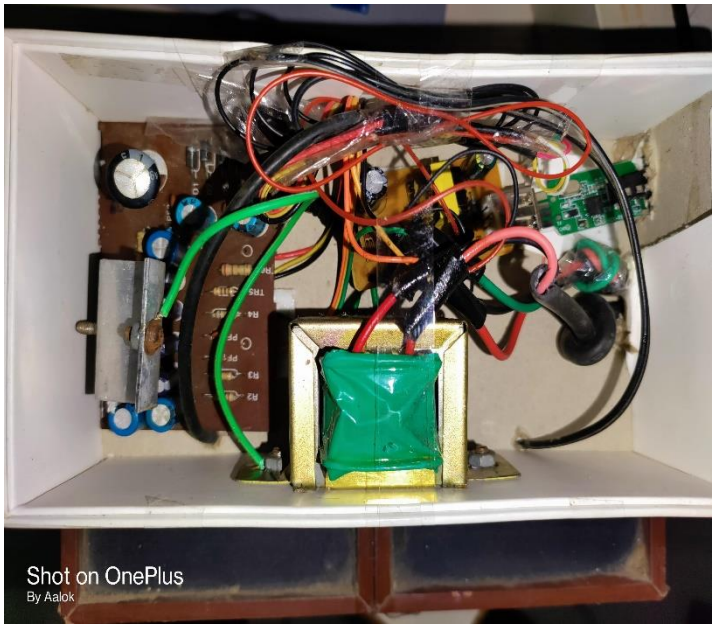
- Environmental Conservation: Our e-waste management practices contribute to the reduction of electronic waste, preventing its accumulation in landfills and minimizing harmful environmental impacts.
- Resource Preservation: By extending the lifespan of electronic devices and promoting repair and reuse, we conserve valuable resources that would otherwise be used in manufacturing new products.
- Educational Empowerment: The e-waste room provides students with practical skills and knowledge in electronic repair and waste management, fostering a generation of environmentally conscious individuals.
- Community Awareness: Our responsible e-waste management practices set an example for the campus community and promote awareness of sustainable electronic consumption and disposal.

List of Gadgets made by the students using E-waste

2 D Printer

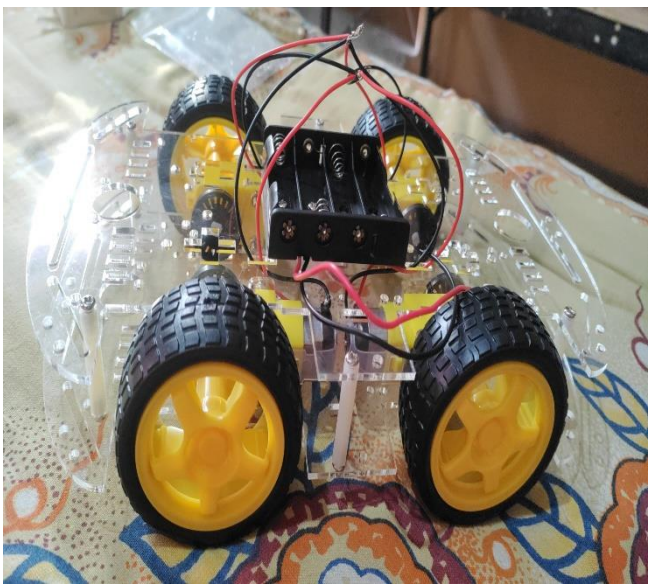


E waste Bluetooth and FM amplifier



Cooling Pad

Ultrasonic sensitive car



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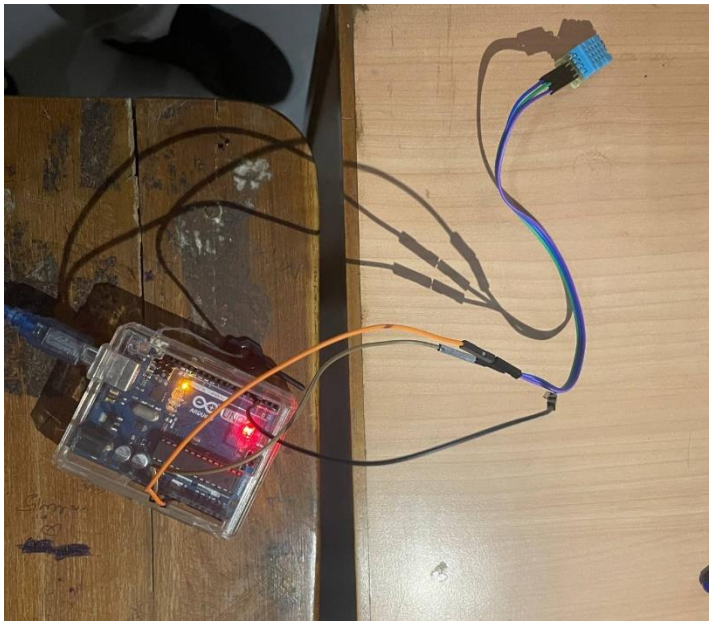
Smart Anti sleep Goggle
This device emits a sound if the driver starts to fall asleep while driving



DHT11 sensor to detect Humidity and Temperature