Social Connect and Responsibility Report-3		
Department: Computer Science Engineering (Data Science)		**Course Code:22SCK47**
Semester: 4	**Section: A**	**Group No: 15**
Student Name: Fredrick George F		**USN: 1NH23CD049**
Faculty Mentors: Mr. Sankhadeep Pujaru		
Module 3: ORGANIC FARMING AND WASTE MANAGEMENT		
Activity Planned: We planned to create a campus organic garden using compost from kitchen waste, conduct awareness sessions on waste segregation, and set up a basic composting unit.		
Location of activity execution: Vpgf+6q4, Huskur Dommasandra Rd, Chokkasandra, Bengaluru, Karnataka 560099, India Lat 12.8771° Long 77.723705°		
Date and timings of execution: 30/04/2025 10:51 AM GMT +05:30		

Report on Organic Farming and Waste Management

Organic Farming

Objective

- To gain an understanding of eco-friendly farming techniques.
- To study farming methods that rely on natural inputs instead of chemical fertilizers and pesticides.
- To link classroom learning with practical, hands-on experience.
- To investigate the feasibility of practicing organic farming within the school or college campus.

Usefulness of Organic Farming

- Environmental Advantages: Organic farming enhances soil health, minimizes environmental contamination, and helps protect diverse plant and animal life.
- Health Advantages: It provides food free from harmful chemicals, supporting overall well-being.

- Economic Advantages: It lowers reliance on costly synthetic inputs, offering long-term, sustainable income opportunities for small-scale farmers.

Visit and Case Study

- The farmers prepared compost using cow dung and created natural pesticides from household kitchen waste.
- They maintained crop variety through intercropping pulses and vegetables.
- Rainwater harvesting systems were in place to meet irrigation needs.
- The farm owner highlighted the benefits of maintaining soil fertility over time and reducing overall farming expenses through low-cost inputs.

Outcomes

- Understood how age-old farming wisdom is effectively combined with modern techniques in organic agriculture.
- Became aware of the difficulties faced, such as reduced yields at the beginning and obstacles in selling the produce.
- Learned that increasing consumer awareness plays a key role in boosting demand for organic products

Implementation

- Establish a small organic garden in a designated area on campus with active involvement from students.
- Convert kitchen waste from the cafeteria into compost for use in the garden.
- Collaborate with the Eco Club to promote awareness through educational workshops and activities.
- Cultivate vegetables and medicinal herbs that can either be used in the canteen or serve as learning tools for students.

Waste Management

Objectives

- To understand practical techniques for sorting and recycling waste efficiently.
- To explore the significance of proper waste handling and its impact on the environment.
- To examine how waste is managed at a community or organizational level.

Usefulness

- Protecting the Environment: Helps decrease pollution, conserves space in landfills, and lowers emissions that contribute to climate change.
- Efficient Use of Resources: Recovers and reuses materials that might otherwise be discarded.
- Health Benefits: Reduces health risks by preventing the spread of diseases linked to improper waste disposal.
- Economic Opportunities: Transforms waste into valuable resources like energy, compost, or recyclable materials.

Visit and Case Study

- Sorting waste at the point of origin into categories like biodegradable, non-biodegradable, and hazardous materials.
- Processing organic waste through aerobic composting methods.
- Breaking down and recycling plastic materials using shredders.
- Active participation from local residents and women-led self-help groups in waste management efforts.

Outcomes

- Realized the crucial role personal accountability plays in effective waste segregation.
- Observed how proper waste management can transform waste into valuable resources.
- Recognized the significant impact of community involvement and education in the success of these initiatives.

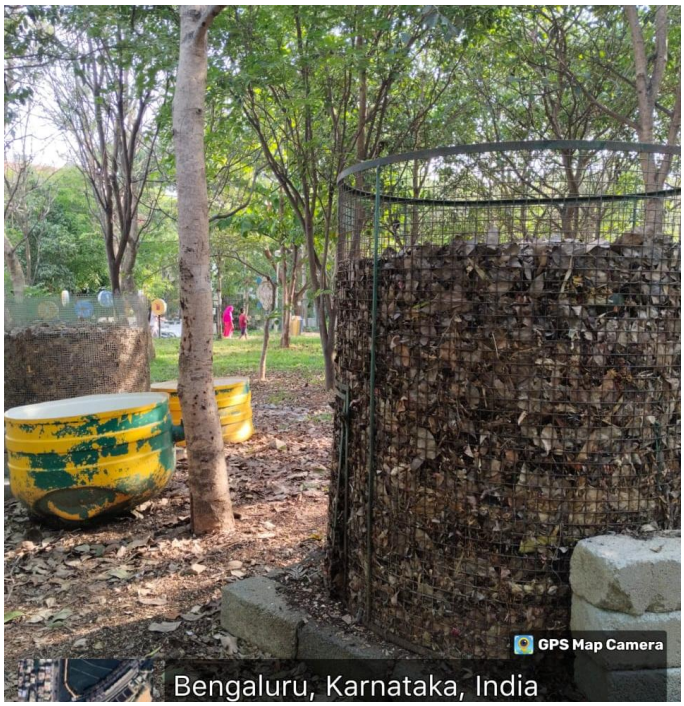
Implementation

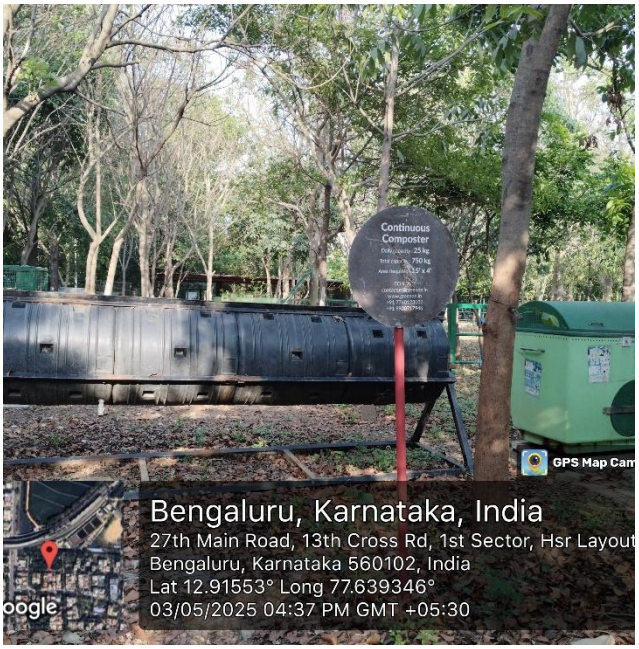
- Establish a 3-bin waste sorting system in each classroom and around the canteen area.
- Create a composting unit for organic waste from the canteen and campus gardens.
- Organize awareness drives to inform both students and staff about proper waste management.
- Partner with recycling services for regular collection of dry waste such as paper and plastic.

Conclusion

This experience in social connectivity provided me with a profound understanding of how both individual and collective actions can foster sustainable living spaces. Organic farming and waste management go beyond environmental benefits—they also help in building a sense of community, promoting responsibility, and ensuring long-term resilience. I am confident that both practices can be successfully introduced on our campus through small, impactful initiatives.

GEO tagged photos: (minimum 6 pics with group and individual)





Student Signature

Faculty Mentor Signature