Green Horizons: Building Sustainable Futures

Objectives of the Practice:

1.**Water Conservation and Management:** Implement Rainwater Harvesting to conserve water, reduce runoff, and manage water resources sustainably.

2.**Organic Waste Recycling:** Use Vermicomposting to recycle organic waste into nutrient-rich compost, enhancing soil fertility and promoting sustainable agriculture.

3.**Community Engagement:** Educate and involve the community in sustainable practices.

4.**Waste Management:** Establish efficient waste management systems.

5.**Energy Efficiency:** Enhance energy efficiency by reducing energy consumption.

6.**Environmental Education:** Organize seminars, workshops, and expert lectures on environmental topics.

Context:

"Green Horizons" is an initiative focused on environmental sustainability and conservation. The program fosters collaboration among organizations and communities to implement eco-friendly solutions, including renewable energy adoption, waste reduction, and biodiversity conservation. By raising awareness and forming partnerships, "Green Horizons" integrates environmental stewardship into everyday practices, aiming for a greener, healthier planet.

Practice:

The college has actively engaged students, staff, and teachers in the Green Campus campaign, achieving significant progress in addressing environmental challenges. Key programs and activities include:

- **Clean and Green Campus:** The campaign transformed the campus into a cleaner and greener environment, enhancing its aesthetics.
- **Energy Efficiency:** Transitioning from CFL to LED bulbs reduced energy consumption and improved energy efficiency.
- **Water Management:** Rainwater harvesting and waste diversion strategies recharged the groundwater table, demonstrating the college's commitment to sustainable water management.
- **Awareness through Plantation:** Tree plantations raised environmental awareness and contributed to campus greenery, improving air quality and biodiversity.
- **Green Power Generation:** Solar panels reduced dependence on conventional electricity and lowered carbon emissions.
- **Promoting a No Plastic Zone:** Implemented a "Plastic-Ban" Policy with designated dustbins and steel utensils in the canteen, eliminating plastic waste.
- **Vermicompost Unit:** A unit was established to convert kitchen and garden waste into compost for local use.

- **Plant and Gift a Sapling Initiative:** Saplings are planted during national celebrations and gifted to guests, reinforcing the college's commitment to environmental conservation.

Evidence of Success:

- **Lush Green Campus:** Regular tree plantations enriched campus flora and fauna, transforming it into an eco-friendly environment.
- **Reduction of Plastic Usage:** The plastic-free campaign led to a significant reduction in plastic waste through the use of filtered water facilities.
- **Clean and Green Campus:** The Green Audit validated the transformation of the campus into a cleaner and greener space.
- **Green Power Generation:** Solar panel installation reduced reliance on conventional electricity and lowered carbon emissions. **College has a Solar Pannel of 160 KW capacity which generates 450 to 480 units per day.**
- **Vermicompost Use:** Fertilizer from the Vermicompost and organic manure plants is used on campus, enhancing sustainability.

Problems Encountered & Resources Required:

- **Commitment:** Implementing "Green Horizons" required determination and long-term commitment from stakeholders.
- **Plastic Ban Enforcement:** Banning plastic on campus was challenging and required significant effort.
- **Motivation**: Maintaining volunteer motivation and consistent success necessitated close supervision.

The "Green Horizons" initiative has made significant strides in transforming the campus into a model of sustainability, serving as a blueprint for future environmental projects.