**PROJECTS:**

**1)The Urban Reforestation & Habitat Restoration Project**

Objective:

To fight climate change, protect natural habitats, and support wildlife and biodiversity.

**What to Do in the Project**

**-Planting Drive Preparation**

Select a suitable degraded area. Research and source native tree species, ensuring they provide food and shelter for local birds, insects, and animals.

-**Habitat Protection**

Create small wildlife habitats (e.g., bird feeders, insect hotels) alongside the trees to support local biodiversity. Plan a long-term care routine to protect endangered species by maintaining their natural habitat.

**-Tree Planting Activity**

Organize a Tree Planting event. Focus on planting trees to reduce climate change and prevent soil erosion, as roots hold the soil.

**2) The Sustainable Upcycled Product & Awareness Project**

**Objective:**

To reduce plastic pollution, promote recycling, and demonstrate sustainable living

**What to Do in the Project**

**-Plastic Collection Drive**

Organize a community **Plastic Collection Drive**. Focus on collecting non-biodegradable plastic that clogs drains, rivers, and oceans.

-**Upcycling Workshop**

Host a workshop to turn collected plastic (e.g., bottles, bags) into usable items like eco-bricks, bags, or art. This reduces the need to produce new plastics, saving resources.

**- Sustainable Living Awareness**

Organize an exhibition to show the finished upcycled products. Discuss how these actions reduce our impact on nature and support a cleaner and healthier environment for the future.

3) **3. The Community Water-Saving Infrastructure Project**

This project focuses on **Water Conservation** through the implementation of real infrastructure.

* **Goal:** Reduce water wastage and increase local water availability, especially during dry seasons.
* **Action Steps:**
  1. **Need Assessment:** Survey a school, community center, or residential building for water usage patterns and identify major points of wastage (e.g., leaky taps).
  2. **Rainwater Harvesting Installation:** Design and install a basic **Rainwater Harvesting** system to collect and store rainwater for later use, such as for gardening or cleaning.
  3. **Fixture Upgrades:** Install water-saving devices like low-flow faucets or timers in public restrooms to ensure water is used efficiently.
  4. **Public Awareness:** Post signs explaining the project's importance, emphasizing that conserving water saves it for drinking, agriculture, and industries.

4) **The Community Composting & Waste Diversion Project 🗑️🌱**

This project addresses Waste Management by diverting biodegradable waste from landfills.

* **Goal**: Establish a localized system for managing biodegradable waste and creating a useful resource.
* **Action Steps**:
  1. **Site** **Identification**: Find a suitable, accessible location in the community (e.g., a school yard, community garden, or large residential area).
  2. **Compost System Build**: Construct a simple compost bin or system for collecting and treating waste in a safe way.
  3. **Collection Drive**: Organize regular collections of Biodegradable waste (like food scraps) from participating homes or a school cafeteria.
  4. **Education**: Conduct workshops on the importance of proper waste disposal, which prevents littering and bad smells, and how composting helps maintain a healthy ecosystem.

**5) The School Eco-Audit & Sustainable Upgrade Project**

**Objective:**

To implement sustainable living practices, conserve resources, and fight climate change within a school setting.

**What to Do in the Project**

**-Energy Consumption Audit**

Teams audit electricity usage in classrooms, offices, and common areas. They identify lights left on and electronics unplugged. The project then installs motion sensors or reminder stickers to reduce bills and conserve energy.

**-Water Fixture Efficiency**

Students check all school bathrooms and drinking fountains for leaks. The project team estimates the water wasted per day and reports the leaks for immediate repair to ensure water availability.

**- Renewable Energy Research**

Research the feasibility of installing **solar panels** on the school roof to generate energy from the sun. Present the benefits of reducing carbon emissions and air pollution to the administration.