

PLASTIC BOTTLE GARDEN

Objective: To promote sustainability by re-purposing and recycling plastic bottles to create a functional and aesthetically pleasing space for growing plants. encourage the reuse of materials, and foster a sense of environmental responsibility and also managing RO plant waste water for utilising to bottle garden.

Context: As our college is a reputed college, too many programmes are being organised here to enhance quality of the institution and for the benefit of the student. In this scenario, plastic bottles are used at lunch. We are collecting the bottles and using for the plastic bottle garden. RO plant waste water is running out wastely, hence we are utilising that water for our bottle garden.

Practice: Our students collect the bottles and collect vermi compost from department of Zoology. They will prepare the bottles with plants with a proper procedure. They place the bottles on the Grills of Department of Physics and Electronics. We arranged pipe system for diverting waste water to the plastic bottle garden with a valve.

Evidence Of Success: As we are create awareness among the people of the college, the usage of plastic bottles is little reduced. We reduced the water wastage also here.

Problems Encountered: Excessive watering can lead to waterlogged soil, causing root rot and other plant diseases. Ensure proper drainage in the plastic bottles by creating sufficient holes at the bottom. Monitor soil moisture and water plants only when needed.

Resources required & Notes: Waste Plastic bottles, soil, seeds, watering tools etc. By gathering the necessary resources, following planning and preparation steps, and incorporating notes for ongoing monitoring and adaptability, you can successfully implement and sustain a plastic bottle garden.

