

B. T. GOVT. DEGREE COLLEGE, MADANAPALLE – 517325

DEPARTMENT OF BOTANY

{Herbal gardening on 07.11.2024}

1. Scope:

- **Educational:**

- Providing hands-on learning about botany, medicinal plants, and their uses.
- Integrating the garden into curriculum for subjects like biology, environmental science, and traditional medicine.
- Offering workshops and demonstrations for students and the community.

- **Environmental:**

- Promoting biodiversity and conservation of medicinal plant species.
- Creating a green space on campus.
- Encouraging sustainable gardening practices.

- **Community:**

- Sharing knowledge about traditional medicine and herbal remedies.
- Potentially providing herbs for local use.

2. Objectives:

- **Establishment:**

- To create a well-maintained herbal garden with a diverse collection of medicinal plants.
- To ensure the garden's sustainability through proper planning and resource management.

- **Education:**

- To educate students about the identification, cultivation, and uses of medicinal plants.
- To promote awareness of the importance of herbal medicine and traditional knowledge.
- To provide a living lab for student research projects.

- **Conservation:**

- To conserve local and regional medicinal plant species.
- To contribute to the preservation of traditional knowledge related to herbal remedies.

3. Procedures:

- **Planning:**

- Site selection and preparation.
- Plant selection based on local climate, soil conditions, and educational objectives.
- Garden design and layout.
- Resource allocation (budget, materials, labor).

- **Implementation:**

- Soil preparation and enrichment.
- Planting and labeling of herbs.
- Establishment of irrigation and drainage systems.
- Regular maintenance (weeding, watering, pruning).

- **Education and Outreach:**

- Developing educational materials and programs.
- Creating signage and information displays within the garden.

- **Monitoring and Evaluation:**

- Tracking plant growth and health.
- Assessing the garden's impact on student learning and community awareness.
- Gathering feedback from students, faculty, and community members.



1. Students are cleaning and preparing place for Herbal gardening



2. Students are planting the collected Herbal plants

4. Outcomes:

- **Educational Outcomes:**

- Increased student knowledge and understanding of medicinal plants.
- Enhanced practical skills in botany and horticulture.
- Greater awareness of traditional medicine and its importance.

- **Environmental Outcomes:**

- Conservation of medicinal plant species.
- Improved campus biodiversity.
- Creation of a valuable green space.

- **Community Outcomes:**

- Increased community awareness of herbal remedies.
- Potential for local use of herbs.
- Enhanced connection between the college and the surrounding community.