Fabtech College of Pharmacy
The Future Begins Here.

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DTE CODE : 6937 MSBTE CODE : 1903

Tree Plantation Report

NSS Day Celebrations

Date: September 24, 2024

Location: Collage Campus

Organized by: National Service Scheme (NSS) Unit, Fabtech College of Pharmacy, Sangola.

Objective: To promote environmental sustainability, combat climate change, and improve air quality through a tree plantation initiative.

1. Introduction

In line with the global efforts to mitigate the effects of climate change and environmental degradation, the National Service Scheme (NSS) Unit, Fabtech College of Pharmacy, Sangola initiated a tree plantation drive to increase green cover, enhance biodiversity, and educate the local community on the importance of trees. The plantation took place in the Fabtech College of Pharmacy, Sangola, an area that has been identified as needing more greenery and environmental restoration.

2. Objective of the Drive

The key objectives of the tree plantation program are:

- To increase the forest cover in the selected area.
- To provide long-term environmental benefits by improving air quality and supporting wildlife.
- To promote awareness about the significance of trees in combating global warming.
- To engage the local community in sustainable practices.

3. Pre-Plantation Preparations

- **Site Selection:** A survey was conducted to identify suitable locations for the plantation. The selected site was analysed for soil quality, water availability, and space for tree growth.
- **Tree Species Selection:** The tree species were chosen based on the climate and ecological suitability of the region. Some of the selected species included:
    - Neem (Azadirachta indica)
    - Peepal (Ficus religiosa)
    - Banyan (Ficus benghalensis)

- Mango (Mangifera indica)
- Gulmohar (Delonix regia)

- **Collaboration and Support:** The project was supported by local authorities, environmental NGOs, and volunteers from the community.

4. Methodology

- **Soil Preparation:** The site was cleared of weeds and debris. The soil was tilled and mixed with organic compost to ensure the proper growth of the saplings.
- **Planting Process:**
  - Saplings were planted at optimal distances to allow space for root expansion.
  - A team of volunteers, consisting of local community members, school students, and volunteers from environmental NGOs, participated in planting the trees.
  - Holes were dug to accommodate the roots of the saplings, which were carefully placed and watered.
- **Watering and Fertilization:** Post-plantation, saplings were regularly watered and monitored for initial growth stages. Organic fertilizers were applied to promote healthy growth.
- **Awareness Campaign:** Educational sessions on the benefits of trees, environmental conservation, and climate change were held before and during the event. These sessions were conducted by environmental experts.

5. Tree Plantation Activities

- **Date of Plantation:** September 24, 2024
- **Number of Trees Planted:** 101
- **Types of Trees Planted:**
  - Neem (Azadirachta indica)
  - Peepal (Ficus religiosa)
  - Banyan (Ficus benghalensis)
  - Mango (Mangifera indica)
  - Gulmohar (Delonix regia)
- **Total Area Covered:** 4000 Sq/feet

6. Challenges Encountered

- **Weather Conditions:** Unpredictable weather and heavy rainfall delayed some of the plantation activities.

- **Soil Quality:** Some parts of the plantation site had poor soil conditions that required additional amendments.
- **Involvement of Local Communities:** Engaging local communities was a challenge as some individuals were initially unaware of the benefits of tree plantation. However, awareness programs helped overcome this challenge.

7. Impact and Benefits

- **Environmental Impact:**
  - The planted trees are expected to improve air quality by absorbing carbon dioxide and releasing oxygen.
  - The trees will help in reducing soil erosion and promoting water retention in the area.
  - Increase in biodiversity, providing shelter and food for birds and other small wildlife.
- **Social Impact:**
  - Local communities have become more aware of the importance of tree plantation.
  - The initiative has fostered a sense of environmental responsibility among the youth and community members.
- **Long-Term Sustainability:**
  - Regular monitoring of the growth of the saplings will be conducted.
  - A plan for continued watering, fertilizing, and protection of the trees from pests will be implemented to ensure their survival.

8. Conclusion

The tree plantation drive has been a significant success, with [insert number] trees planted in the selected area. The initiative has contributed positively to the environment and has raised awareness about the importance of trees in combating climate change. The active participation of local communities and volunteers helped ensure the successful implementation of the plantation. Moving forward, the project will focus on nurturing the young saplings and continuing efforts to improve the overall green cover in the region.

9. Future Recommendations

- Establishing a monitoring and maintenance program to ensure long-term survival of the planted trees.
- Expanding the tree plantation efforts to other areas of the region.
- Encouraging more community-based environmental initiatives.

10. Glimpse of the event

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