Office of Dean of Sustainability
Thapar Institute of Engineering & Technology
(Deemed to be University)
Patiala – 147004 INDIA

Activity: Tree Plantation by Dean of Sustainability

Location: Front Lawn of the Director Office

Date: 22 November 2024, Friday

On **22th November 2024 (Friday)**, a significant tree plantation drive was organized at Front Lawn of the Director Office, **Thapar Institute of Engineering and Technology (TIET), Patiala**. This event was led by Prof. Rafat Siddique, **Dean of Sustainability**, TIET, Patiala.

Details of Plants

Name of Plant	Botanical Name	No of Plants	CO_2 Absorption* (Pounds/year),
Bottle Palm	Hyophorbe lagenicaulis	28	20-25

* These values are averages for mature trees and can vary significantly depending on environmental factors such as sunlight, soil quality, and maintenance. Young or newly planted trees typically absorb less CO_2.

Tree planting **by Rafat Siddique,** Dean of Sustainability, TIET, Patiala, Punjab

Tree watering **by Rafat Siddique,** Dean of Sustainability, TIET, Patiala, Punjab

Significance of the Planting Bottle Palm

Aesthetic and Ornamental Value

The Bottle Palm is widely admired for its unique, swollen trunk and graceful fronds, making it a striking addition to gardens, parks, and urban landscapes. Its sculptural beauty enhances the visual appeal of any setting, creating tranquil and inviting environments.

Environmental Benefits

Though modest in CO_2 absorption (~20–25 pounds/year), the Bottle Palm contributes to improving air quality and reducing the urban heat island effect by providing shade and greenery.

Cultural and Symbolic Significance

In many regions, palms symbolize peace, prosperity, and resilience. Planting the Bottle Palm serves as a reminder of the need for sustainable co-existence with nature.

Low Maintenance and Longevity

The Bottle Palm requires minimal maintenance and thrives in tropical and subtropical climates. Its slow growth and long lifespan make it an excellent choice for urban landscaping, requiring fewer resources over time.

(Kulbir Singh)
Associate Dean Sustainability

(Rafat Siddique)
Dean Sustainability