

Water-Conscious Planting

As the world grapples with increasing concerns over water scarcity and the need for sustainable environmental practices, Manipal University Jaipur is taking a lead role in promoting water-conscious planting. Manipal University Jaipur realizes the importance of landscaping that not only beautifies their campuses but also conserves water resources.

Manipal University Jaipur plants native plants and drought-tolerant species for its landscaping needs. Native plants are adapted to the local climate, requiring less water and maintenance than non-native species. These plants also support local wildlife and ecosystems. By incorporating them into campus landscapes, Manipal University Jaipur is reducing its water footprint while promoting biodiversity. Xeriscaping is a landscaping approach that focuses on water conservation. Manipal University Jaipur adopted xeriscaping principles, which include using drought-resistant plants, mulching to retain moisture, and minimizing turf grass areas (Annexure 1, 2, 3, 4, 5, 6, 7, 8, 9). This approach not only reduces water usage but also decreases the need for chemical fertilizers and pesticides, contributing to healthier ecosystems. Manipal University Jaipur has an irrigation system with smart technology that monitors weather conditions and soil moisture levels. These systems can adjust watering schedules and volumes, accordingly, ensuring that plants receive just the right amount of water. This precision reduces water waste and prevents overwatering, which can harm plants and leach chemicals into groundwater. Rainwater harvesting is another innovative approach adopted by Manipal University Jaipur. Collecting rainwater from roofs and other surfaces allows institutions to reuse this resource for irrigation purposes. It reduces the demand for water supplies and conserves water during dry seasons. Manipal University Jaipur is even incorporating rain gardens, designed to capture and filter rainwater, into its landscaping plans. When designing new campus buildings and outdoor spaces, Manipal University Jaipur is integrating sustainable principles into its plans. This includes selecting plant species that align with water-conscious goals and using permeable materials that allow rainwater to infiltrate the soil rather than run off into stormwater drains (Annexure 10 & 11).

Manipal University Jaipur is taking meaningful steps to minimize water usage through water-conscious planting. By choosing native and drought-tolerant plants, embracing xeriscaping, implementing smart irrigation systems, and engaging in rainwater harvesting, these institutions are demonstrating their commitment to environmental sustainability (Annexure 10 & 11).

























