

Smart Irrigation System

Harshal Shinde, Aditya Bhargav, Dhiraj Thoke Prof. Kiran Suryawanshi

Department of Mechanical Engineering
Guru Gobind Singh Polytechnic, Nashik

Abstract: *The **Rover with Water Sprinkler** is an autonomous or remotely controlled mobile system designed for efficient irrigation in agricultural fields, gardens, and urban landscapes. This project integrates a robotic rover equipped with a water sprinkler system to automate and optimize the watering process, reducing water wastage and improving plant health. By implementing smart irrigation techniques, this project aims to enhance water conservation, reduce labor efforts, and increase agricultural productivity. The **Rover with Water Sprinkler** serves as an innovative solution for sustainable farming and automated irrigation in both rural and urban environments*

Keywords: Rover with Water Sprinkler