ICES 2024

TITLE OF PROJECT: **Smart Autonomous Rover For Watering Under-Construction Buildings.**

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ABSTRACT:

The emerging field of smart autonomous rovers for watering under construction buildings seeks to revolutionize green space maintenance on construction sites through the integration of robotics and irrigation systems. This innovative approach addresses the challenge of automating the watering process in areas where traditional methods prove impractical. By combining cutting-edge robotics with efficient irrigation systems, this technology aims to enhance the sustainability and aesthetics of construction sites. The key objective is to deploy autonomous rovers capable of navigating construction sites intelligently and watering green spaces in a systematic and precise manner. These rovers leverage advanced robotics to autonomously traverse challenging terrains under construction buildings, ensuring thorough and efficient watering of green areas. The integration of robotics and irrigation systems not only streamlines the maintenance process but also minimizes the need for human intervention in areas that may be inaccessible or hazardous. To stay abreast of the latest developments in this dynamic field, it is advisable to explore recent publications, industry news, and specialized forums focusing on robotics and construction technologies. While specific projects may not be readily available, ongoing research and advancements in smart autonomous rovers for construction site green space maintenance can be tracked through these channels. As the industry continues to evolve, this innovative technology holds the promise of transforming how construction sites manage and nurture green spaces, contributing to more sustainable and aesthetically pleasing environments.

KEYWORDS: Robotics and Irrigation System, Autonomous rover, Sustainability and Aesthetically pleasing environments.

CATEGORY: Environmental Engineering.