IJARSCT
ISSN (Online) 2581-9429
International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)
International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal
Impact Factor: 7.53
Volume 4, Issue 1, May 2024

Design and Execution of Rainwater Harvesting System at CJITS

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Abstract: *Recognizing the importance of water conservation, our project at Christu Jyothi Institute of Technology and Science focuses on Rainwater Harvesting as a viable and eco-friendly approach. This initiative aims to address the increasing water stress faced by our campus and contribute to the broader goal of sustainable water management. Rainwater harvesting involves the collection, storage, and utilization of rainwater for various purposes. Our system incorporates a network of strategically placed collection points such as rooftops and paved surfaces equipped with gutters and downspouts. The collected rainwater is then directed to storage tanks or recharge pits, depending on the intended use. The main aspect of our project is the integration of modern technology to enhance efficiency and monitoring. The project aligns with the principles of sustainability and environmental responsibility. It promotes a circular water economy by harnessing rainwater, which might otherwise go unused, and utilizes it within the campus ecosystem*

Keywords: Rainwater harvesting, bore well, storage tank, manholes

DOI: 10.48175/568
ISSN 2581-9429 IJARSCT