



## INTRODUCTION OF SMART WATER SYSTEM

# **GROUP 1**

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# Defining a target

Water is a precious resource that is essential for life. Effective water management is critical to ensuring a sustainable future. Learning how to optimize water usage and reduce waste.

Aquarius is one of the oldest constellations. Its name means “water bearer,” and its symbol is a representation of water.

**2.** Capricornus is the smallest constellation in the zodiac. Its name means “horned goat” and is represented by a goat with a fishtail.

**3.** Aries is one of the zodiac constellations, and its symbol represents the ram’s horns. It’s unique because its image has changed over time.

**4.** Cassiopeia is a constellation in the northern sky. It is easily recognizable due to its distinctive ‘W’ shape, formed by five bright stars.

## About the project

**IoT technology** is transforming water management by providing real-time monitoring and control of water systems. This technology allows for **efficient water usage, cost savings,** and **improved sustainability.**





What is IoT  
Technology?

## About the project

IoT technology refers to the **network of physical devices** that are connected to the internet and can exchange data. These devices can include sensors, actuators, and other types of equipment.



## Challenges of IoT Technology in Water Management

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About the project

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Where we are






# About the project

The use of IoT technology in water management can provide numerous benefits, including **real-time monitoring**, **data analytics**, and **remote control**. These benefits can lead to **cost savings**, **improved efficiency**, and **better decision-making**.



A large center pivot irrigation system is shown in a lush green field. The system consists of a long, straight metal pipe supported by a series of A-frame towers. The pipe is elevated and has several smaller pipes branching off it, which lead to the ground and then to the plants. The field is filled with green crops, and the sky is blue with white clouds. The irrigation system is in the process of watering the crops, as evidenced by the mist or spray coming from the ground-level pipes.

IoT technology can be used to control irrigation systems in real-time. This can help to **optimize water usage**, reduce **water waste**, and improve **crop yields**. It can also provide **weather-based** and **soil-based** irrigation recommendations.



Conclusi  
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## Where we are

IoT technology is revolutionizing water management by providing real-time monitoring and control of water systems. This technology can help to reduce water waste, improve efficiency, and ensure a sustainable future. While there are challenges to its implementation, the benefits of IoT technology in water management are significant.



**Thanking You!**