COLLEGE NAME: PRIYADARSHNI ENGINEERING COLLEGE

COLLEGE CODE:5119

COURSE NAME: IBM

GROUP NUMBER 2 PROJECT TITLE: SMART WATER MANGEMENT PROJECT SUBMITTED TO:SKILL UP ONLINE

YEAR: 3 DEPARTMENT ECE

SEMESTER:05

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MART WATER MANAGEMENT

PROBLEM STATEMENT

The water management is Maximize the efficient use of water through technologies like drip irrigation

And rainwater Balance water use to meet current needs without compromising the needs of future

Promote water conservation practices at home, industry, and agriculture to reduce waste Safeguard

Water sources from pollution and Plan .water management holistically, considering factors like

Ecosystems, climate change, and urban development.Many regions experience water scarcity due to

Overuse, climate change, and population growth.Pollution: Contamination from industrial,

Agricultural, and urban activities can degrade water quality.Aging Infrastructure: Much water

Infrastructure is old and in need of repair or replacement.Unequal Access: Some populations lack

Access to clean, safe drinking water and sanitation.Climate Change: Altered precipitation patterns and

Increased evaporation can disrupt water availability.Ecosystem Impact: Mismanagement can harm

Aquatic ecosystems, affecting biodiversity tensions.Waterborne Diseases: Poor water quality can lead

To waterborne diseases, particularly in developing countries.Inefficient Agricultural Practices: Waterintensive agriculture can strain resources and lead to runoff pollution.Lack of Data: Inadequate

Monitoring and data can hinder informed decision-making.

SOLUTION;

Public Awareness: Educate the public about water conservation and the importance of responsible

Water use.Climate Resilience: Develop strategies to adapt to changing precipitation patterns and

Mitigate the impact of climate change on water resources.Transboundary Cooperation: Collaborate

With neighboring regions or countries to manage shared water resources more effectively.Green

Technologies: Invest in innovative, eco-friendly technologies for wastewater treatment and pollution

Control.Financial Incentives: Offer financial incentives or subsidies to promote water-saving

Technologies and practices.Data Monitoring: Improve water data collection and monitoring systems to

Inform decision-making.Integrated Water Management: Adopt an integrated approach that considers

The interconnectedness of water, energy, and food system

 "SAVE WATER.THE WHOLE WORLD DEPAND ON YOU"