



COLLEGE NAME: PRIYADARSHINI ENGINEERING COLLEGE

COLLEGE CODE : 5119

COURSE NAME: Internet Of Things (IOT)

GROUP NUMBER: 1

PROJECT TITLE: SMART WATER MANGEMENT

PROJECT SUBMITTED TO: SKILL UP ONLINE

YEAR: 3rd

DEPARTMENT: ELECTRONICS AND COMMUNICATION ENGINEERING.

SEMESTER: 5th

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GUIDED BY: Dr.A.BANUPRIYA.HOD/ECE

SPOC NAME: Dr.R.THENMOZHI.HOD/EEE

INNOVATION :

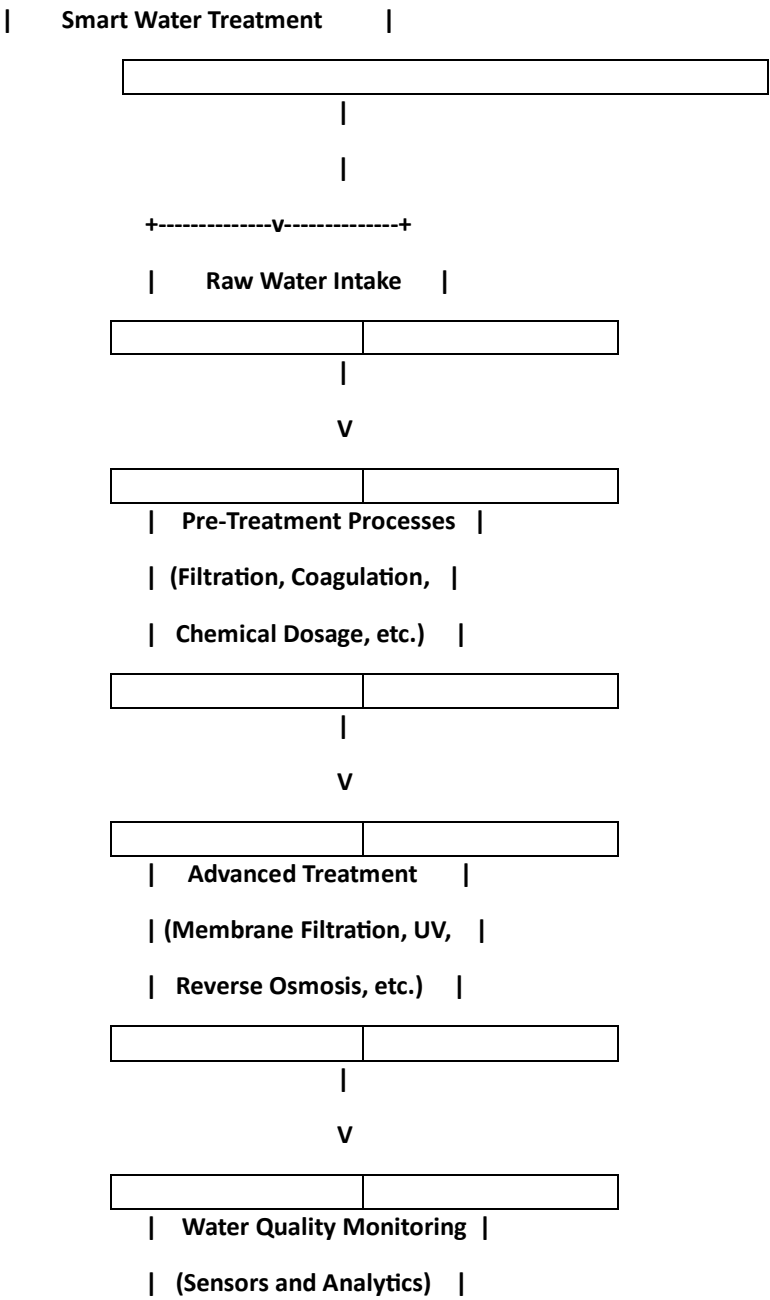
Implement lot sensors to monitor water consumption in public places like parks and gardens.

The data can be made available on a public platform, encouraging water conservation efforts.

Smart meters should be used to monitor the outlet of water in Pipes. These data is to be sent to internet with the help of an ESP32 processor.

This data is then shared on a public platform to create awareness among the public.

BLOCK DIAGRAM



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| **Control and Automation** |

| (PLC, SCADA, IoT Integration) |

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| **Disinfection** |

| (Chlorination, Ozonation, |

| UV Disinfection, etc.) |

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| Treated Water Storage |

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| Distribution Network |

| (Pipes, Pumps, Valves, etc.) |

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| End Users |

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| (Web/Mobile App) |

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5. Automation; Smart water treatment systems often use Programmable Logic Controllers (PLCs) and Supervisory Control and Data Acquisition (SCADA) systems to automate the operation of pumps, valves, and other equipment. Automation ensures precise control and reduces the need for human intervention.