

# **IOT Based Solar and Wind Water Heater System**

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**Abstract:** *The IoT-based Solar and Wind Water Heater System offers a sustainable and efficient solution for water heating by harnessing renewable energy sources such as solar and wind power. By integrating IoT technology, the system optimizes energy usage, enables remote monitoring and control, and reduces carbon emissions, contributing to a cleaner and more sustainable environment. With its ability to adapt to various applications and provide cost savings through free renewable energy, this innovative system promises to play a crucial role in mitigating climate change and promoting a greener future.*

**Keywords:** Renewable, IoT, Efficiency, Sustainability, Optimization

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