

# **IOT based QuantumClean SparkSwift**

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**Abstract:** *QuantumClean SparkSwift is an innovative IoT-based project focuses in the development automatic vaccum cleaner. Leveraging the IoT technology, the system allows users to remotely control and monitor the vaccum cleaner through a mobile application. The device employs sensors for obstacle detection and obstacle avoidance and mapping, ensuring efficient cleaning. The integration of smart features such as obstacle detection, obstacle avoidance, mapping, Bluetooth control, voice command controlling enhances user convenience, making it a practical and innovative solution for automated home cleaning*

**Keywords:** QuantumClean SparkSwift, IoT, Vaccum Cleaner