

# **IoT Based Smart Floor Cleaning Robot**

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**Abstract:** *Households of today are becoming smarter and more automated. Home automation delivers convenience and creates more time for people. Domestic robots are entering the homes and people's daily lives, but it is yet a relatively new and immature market. However, a growth is predicted and the adoption of domestic robots is evolving.*

*In this proposed system, we have designed a iot based wireless floor cleaning robot with dual brush cleaning mechanism. The aim of this project work is to develop and modernized process for cleaning the floor; hence it is widely used in house, hospitals, shops, office, etc. This system is designed by using microcontroller, wifi module for wireless communication and ultrasonic sensor for obstacle detection and avoidance.*

**Keywords:** Microcontroller, Node MCU, Motor driver, LCD screen, Brushes

