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 high growth rate is predicted and the functionality & usability of domestic robots is evolving everyday.

The purpose of this project is to design and implement a Vacuum Robot which uses Artificial Intelligence & becomes an intelligent assistant .

Subject robot operates in autonomous mode as well as in manual mode along with additional features like scheduling for specific time and bagless dirt container with auto-dirt disposal mechanism.Voice Recognition with smart reply system will also be implemented. This work can be very useful for simplyfing life style of consumer.Vacuum Robot will have several criteria that will make them very user-friendly.

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