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Abstract

It is a small microcontroller based robot designed to mop the floor autonomously. The robot uses infra-red or ultrasound sensor to detect furniture or an obstacle and avoid it as the robot is moving orderly and clearing simultaneously in a room.

It is characterised by attaching a paper mop to the body of the robot for cleaning the floor and "Robot Soft I" the programmed software for the microcontroller to control the sensor and the two DC motor for the movement of the robot showed in Fig 1 to 4.