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| **Title:** | Design and Implementation of Assistive Robot for The Elderly and Impaired Person | | |
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| **Abstract:** |  |
| In this paper, the design of an autonomous robot is proposed which can detect, search, pick up and drop any object. A central processing unit using Raspberry Pi will take sonar sensor input and control the motor drivers to move freely. Artificial intelligence technology integrated with an image processing unit that will be able to remember its owner and track objects. Four motorized wheels that can be controlled by the user or the robot itself make the robot move to any direction or place. The cameras and microphones will be equipped in the robot to help the robot recognize environments. This mechanism in the robot will allow helping elderly and impaired person inhouse work The proposed design is implemented and successfully verified through commanding to accomplish different work. | |