



FINAL YEAR PROJECT REPORT

Title

Garbage Collector Robot

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Acknowledgments

First of all we would like to thank GOD Almighty for blessing us with exceptional parents, and especially life.

We would like to thank all the teacher and scolders that we have encountered in the short time that we have been on this planet, for its because of them that we have come this far and are the people we are today.

Secondly we would like to acknowledge and extend our heartfelt gratitude to our project supervisor Engr. Naveera sami for the guidance and support she has shown toward the success of this project.

Last but not the least we would acknowledge the efforts of Bahria University Karachi Campus and our Head of department, Director and other individuals for their continuous efforts and support.

Abstract

The garbage collecting robot is an autonomous machine that will use image processing to detect the object then collect and differentiate between the different types of garbage i.e. wet or dry garbage. The robot will work in a confined area and dispose of the collected object in the proper container according to the type of garbage.

The image processing system is achieved by using python as a platform as it provides the most easy to use environment and flexibility.

Keywords: Garbage, Robotics, Image Processing, OpenCV, HaarCascade.

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