**Robotics using Ned Niryo 2**

Team

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Segregation of books based on color

Abstract

We created a program that segregate the books based on color. We used inbuilt function “vision\_pick()” to segregate the books.

The book is detected based on the format of vision\_pick(),which is extracted from the python module “niryo\_robot\_python\_ros\_wapper”

vision\_pick(workspace\_name,height\_offset=-0.005,

shape=ObjectShape.ANY,color='RED')

this code segment detect the object with color red, and of any shape object.

By using this logic we gone a segregate the book based on the color.

This project can be further developed by various image processing algorithms , such that it can segregate based on alphabets , category which help the librarian and readers to identify easily.