

# IMAGE BASED LOVING E-CATHERDA

At every place we almost see the arrangement of chairs need to be well organized. So keeping this in mind we came with an idea of project IMAGE BASED LOVING E-CATHERDA. This is a MATLAB based Image Processing project which will detect the vacant misplaced chair and place it under the table at its proper place.

In this project colored stickers are paste on all sides of the chair and a camera will be assembled under the table which will continuously keep an eye on the chair. When the chair is vacant and a colored sticker comes within the vision of a camera, code written in MATLAB will be executed and a signal then send to the Xbee module attached to the chair. Chair will then move to the left/right/forward/ backward according to the color of a sticker and will get placed automatically at its proper place under the table without any human efforts.

## **BLOCK DIAGRAM:**

