

## **ABSTRACT**

*In this final project, presents a global system for mapping and tracking of the movement of some of Soccer Robot. using image processing for color filters of the robot and labeling marker for mapping the position of each - each robot. Marker robot consists of a combination of two colors as the robot and team identity. To generate a global information, Camera placed on the robot soccer field. Feedback resulting from the coordinate information and fiture soccer robots - robots fiturenya on Soccer games in real time. Output data in the form coordinate position of the ball, robots, and headings. Data will be processed and sent to the robot to control the movement and strategy on the soccer robots.*

**Keywords:** *soccer robot, image processing , global vision*