**ROBOT CONTROL WITH VOICE COMMAND**

**ABSTRACT**

Speech is the most used way of communication for people. We born with the skills of

speaking, learn it easily during our early childhood and mostly communicate with each other with speech throughout our lives. By the developments of communication technologies in the last era, speech starts to be an important interface for many systems. Instead of using complex different interfaces, speech is easier to communicate with computers.

In this project, it is aimed to control a robot with speech commands. The robot is able to recognize spoken commands to move correctly. To give a direction to robot, first the voice command is send to the computer using a microphone. The computer recognizes the command by speech recognition system. And then computer converts the voice command to direction command that predefined and recognizable by robot. When the robot gets the direction command, it moves according to spoken command.

Speech is the most important way of communication for people. Using the speech as

interface for processes became more important with the improvements of artificial intelligent. In this project it is implemented to control a robot with speech comment. Speech commends were taken to the computer by microphone, the features were extracted with The Mel Frequency Cepstral Coefficients algorithms and they were recognized by the help of Artificial Neural Networks. Finally the comments were converted the form in which the robot can recognize and move accordingly.