



ABSTRACT

The purpose of the study is to make an announcement robot which will roam around the Computer Studies Department. It will remind the faculty members about their important meetings and dates to remember.

Trackie is basically a Text to Speech Line Follower Robot. This robot is able to detect dark lines and base it as its path. It is equipped with a text to speech program which can be installed in any laptops, preferably a netbook because the tank chassis cannot carry too much weight. The robot will not run if it is not connected in a laptop USB Port because it is the microcontroller's source of power while the 9V battery is used for the motor driver which controls the movement of the motor. While Trackie is roaming around CSD it will play the typed text on the Text-to-Speech program simultaneously, a speaker will be attached to the laptop to make it more understandable.