Progress report

During this week we have done milestone 1-6, 10 and 11. We have programmed the robot to patrol in different modes, guard and peaceful mode. Our assignments includes marking the different modes and functions that the robot are about to operate, such as sound, changing colors and moving in a certain way. The problems we have encountered are for example, when patrolling and turning in a square of 1x1 meter the robot has dislocated approximately 90 degrees. The path or the distance has not been correct, according to the assignment. The solution to this problem was to make the robot move backwards a couple of centimeters before it turns in the square. We have been using the time package to solve milestone 3 and 7. We have not used it that much yet. We will probably use the time package further into the project.

We have not been able to use all the sound files for our robot. The only sound that works is “woops”. The major problem has been using the tracks instead of the wheels. Our theory is that the gravity point on our robot is not in the middle of the tracks, rather a bit further in the front, which makes the turns incorrect.