

Abstract Graduation project 2:

For our graduation project 2, and after a continuous search to provide a multi-use cleaning robot, the project idea that came up was a cleaning robot “scan shine”

It has a three-step cleaning process:

1. Sweeping and dust-removal
2. Mopping
3. Perfuming

It cleans on its own without the need for follow-up by humans, it relies on a combination of sensors and software to navigate their environment. The sensors help the robot detect its surroundings .it can walk and know its way without redoing the cleaned areas. However, hindered it is during its walk, it completes the process smoothly. Furthermore, it gives notifications in case she needs to clean the filters and also in case the amount of water is needed to clean or unload the internal trash.

There are many smart sweepers robots, most of them are specialized only in sweeping, while others are specialized in mopping, but our robot will be different since it will gather both mopping and sweeping.