



Cover page

Project title: Noo-Noo

Academic Year: 2021-2022

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Department Name: Computer Engineering

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Project Type: Hardware

Supervisor Name: Dr. Raed Qadi

Format:

- Single space, Times New Roman.
- 12 pt,
- Maximum 1 page.

Abstract Body:

Items must be provided in the Abstract:

- Why do you think this project is important? Please explain the significance of this Project in brief.
- In your point of view what are the important aspects that should be covered in the project?
- Objective(s): In your view, please explain the main objectives of the project.
- Methodology: Give a brief outline of the application development process.
- Had this project been done before? Are there any similar applications available today?
- **Note:** Please deliver this abstract early to ensure that your Project has been approved by the department's projects committee. **Registration will not be done without this approval.**



Project's Abstract:

Noo-Noo is a clean worker Robot can clean the floor by using the water and distribute the water and collect it into water drain by itself, the Robot can clean the carpets using a special broom that can collect the dust and dirt. So the importance of this Robot, it helps the housekeepers get their work done and save them time.

The Robot should be able to move in all directions easily and clean the carpets and floor in a reasonable time by itself.

The main objectives of the project are learning new skills in building hardware Robot and make a technology that can helps the humans in their works.

The development process will begin with design the shape of the Robot and print it using 3D printer, then build the Robot's structure and use the microcontrollers to make it able to move in all direction using 3 wheels, then add a special broom on the robot and make it able to clean the carpets. Finally, we will make it able to clean the floor and deal with water. In addition, if the time permit, we will add a new feature, it's make the Robot detect the garbage using image processing and collect it on his store then go to empty it on the trash.

The project is a new idea but there is a similar device and it is a Vacuum Cleaner that can clean the carpets by itself.