

0.0.1 Introduction - Why a forklift?

Throughout history a certain industrial trend has become the most pronounced it has ever been, automation. Any and all tasks that could be automated in a financially viable way have seen at least one instance of it happening. This is due to the numerous benefits that an autonomous system can provide. In a similar vein, our team also aimed at contributing to this phenomenon within the scope of the third semester project. The aim of the project was to make an autonomous intelligent vehicle.

Project work started with exploring the possible fields where such a vehicle could find sensible applications. This mindmap portrays the various ideas considered. Some of these include a food and beverage delivery system both in a restaurant and home settings and some were related to various monitoring systems. Others had more a focus on everyday home-support.

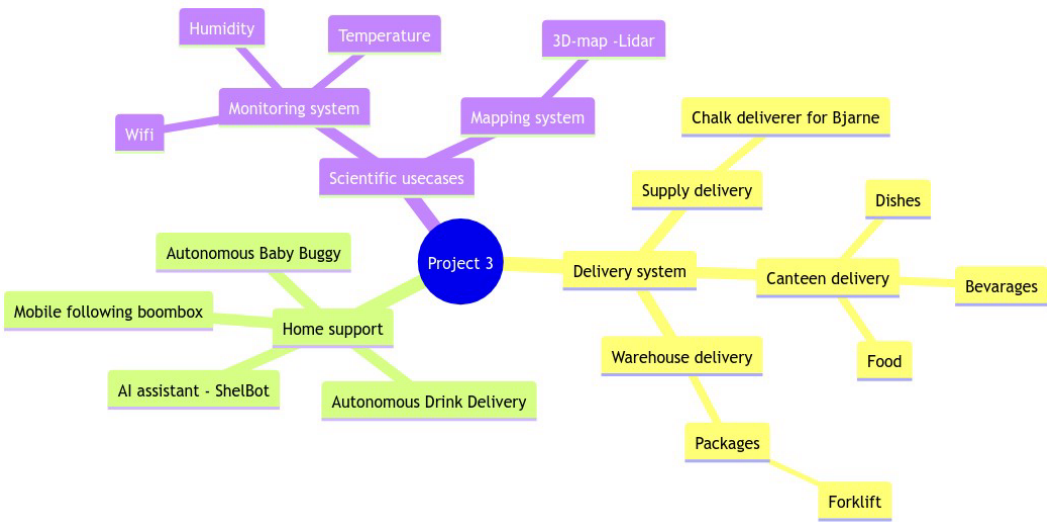


Figure 1: Mind-map of project ideas

Throughout the idea phase, the aspect of presenting the idea at the tech expo at the end of the semester was important. The audience should be able to grasp the concept of the project and understand how it could be beneficial in everyday life.