**Name of the project**

**Project plan**

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# Introduction​ and background

This project was chosen because it is an interesting area of expertise. It is also a subject that is scientific interesting in this technical era, and that shall be mastered in the coming years. Background knowledge for this project has been articles, lectures in software engineering and lectures in programming courses.

# Aim and purpose

We aim to produce a product that will record a voice command and compare it to a database and based on what command was sent, different lights should be turned on.

## Research questions

Is voice recognition reliable when used as an input command?

Can voice recognition be used to improve quality of life for the disabled?

Will atmega328p have the computing power to fully operate with voice recognition?

## Limitation

This project will be a small one because there is not much time and the software is new to us.

Budget and knowledge is also two big limitations.

# Method

## Literature review

// What does the literature say about the research question you are trying to answer

According to the literature voice recognition is not a reliable source when it comes to input commands, it is not enough developed to be considered a reliable input program.

// What was you search criteria when searching for articles

We searched for articles that had a connection with our topic.

// What was your inclusive and exclusive criteria, i.e.

// How many articles you have considered and why

// How many you discarded and why

// What is the conclusion that you draw from the articles

## Benchmarking

// Have you made a market analysis and considered the competition? Why would your product/prototype/project be better?

# Expected Results

We expect to deliver a finished product that should be able to turn on and off lights depending on the voice command given.

# Social and ethical aspects

It might be discriminating to some people with broad dialects and accents.

# References

Araújo, A., Portugal, D., Couceiro, M. S. & Rocha, R. P., 2014. Integrating Arduino-Based Educational Mobile. p. 18.

Saume, D. L. &. C., 2012. En undersökning av röststyrning för Android-enheter. Volym 1, p. 35.

Zhong, Y. o.a., 2014. JustSpeak: Enabling Universal Voice Control on Android. p. 4.

# Appendix and enclosures

If you want to append any figures here…

