# **Speech Recognition**

- With Information Retrieval & Command Prompt -

Project Report ED5-1-E17

Aalborg University Electronics and IT





Electronics and IT Aalborg University http://www.aau.dk

Title:

Speech Recognition

Theme:

Scientific Theme

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**Project Group:** ED5-1-E17

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#### **Abstract:**

This report goes into detail about the implementation of distributed speech recognition systems, information retrieval and machine learning. The main objective of the speech recognition system is to provide a handsfree human-computer interface experience, where the system is also able to handle noise.

The content of this report is freely available, but publication (with reference) may only be pursued due to agreement with the author.

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## **Todo list**

Is it possible to add a subsubparagraph?	2
I think that a summary of this exciting chapter should be added	2

## **Preface**

The project entitled Speech Recognition with command prompt was made by three student Engineering programme at Aalborg Universithe fifth semester.	s from the Electronics and Computer
	Aalborg University, October 4, 2017

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### Introduction

Here is the introduction. The next chapter is chapter 1. a new paragraph

### 1.1 Examples

You can also have examples in your document such as in example 1.1.

### Example 1.1 (An Example of an Example)

Here is an example with some math

$$0 = \exp(i\pi) + 1. \tag{1.1}$$

You can adjust the colour and the line width in the macros.tex file.

### 1.2 How Does Sections, Subsections, and Subsections Look?

Well, like this

#### 1.2.1 This is a Subsection

and this

#### This is a Subsubsection

and this.

A Paragraph You can also use paragraph titles which look like this.

Is it possible to add a subsubparagraph?

**A Subparagraph** Moreover, you can also use subparagraph titles which look like this. They have a small indentation as opposed to the paragraph titles.

I think that a summary of this exciting chapter should be added.

## **Problem Description**

### 2.1 Problem Description

List to wright about here:

- Main Objective/Goal
- What will be required
- How are we going solve the Objective?

### 2.2 Problem Delimitation

To ensure that the project meets the desired scope, specific success criteria are formed which will be evaluated during the final stages of the report. The following list of requirements are the desired success criteria, where the focus will ve on reaching the given goals.

- Create a network infrastructure for Client/Server Model
- Identify the system parameters (speech)
- Design a filter
- Detect and identify human speech
- Implement a speech recognition system with information retrival

Brief summary on how are we going to obtain all of these bullet points.

# **Machine Learning**

3.1 Recurrent Neural Nerwork

## Conclusion

In case you have questions, comments, suggestions or have found a bug, please do not hesitate to contact me. You can find my contact details below.

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## Appendix A

# Appendix A name

Here is the first appendix