

Development of a bigger dik

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Bachelor Project







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

STUDENT REPORT

Title:

Project Title

Theme:

Digital Filtering

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**Project Group:** 

ED5-1-E18

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**Abstract:** 

Here is the abstract

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### **Contents**

Pr	eface	ix
1	Introduction  1.1 Examples	1 1 1 1
2	Problem Analysis2.1 Problem Description2.2 Problem Delimitation2.3 Initiating Problem	3 3 3 3
3	Mathematical Analysis 3.1 Geometric Structure	<b>5</b> 5
4	Development           4.1         Component List            4.1.1         Microphones characteristics            4.1.2         Measurements scenarios            4.1.3         Setup            4.2         Analog to digital conversion	7 7 7 7 7
5	Noise Filtering	9
6	Directional Noise Elimination	11
7	Neural Network Speech Isolation	13
8	Comparison  8.1 Synthetic Samples	15 15 15

vi	Contents
VI	Contents

8.4 Comparing all three methods and combining them	15
9 Results	17
10 Future Work	19
11 Conclusion	21
Bibliography	23
A Appendix A name	25

## **Todo list**

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

## **Preface**

Here is the preface. You should	put your signatures at the end of the preface.
	Aalborg University, November 16, 2018
Author 1 <username1@xx.aau.dk></username1@xx.aau.dk>	Author 2 <username2@xx.aau.dk></username2@xx.aau.dk>
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	Author 3
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#### Introduction

Here is the introduction. The next chapter is chapter ??. 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 Analysis**

- 2.1 Problem Description
- 2.2 Problem Delimitation
- 2.3 Initiating Problem

# **Mathematical Analysis**

#### 3.1 Geometric Structure

# Development

- 4.1 Component List
- 4.1.1 Microphones characteristics
- 4.1.2 Measurements scenarios
- 4.1.3 Setup
- 4.2 Analog to digital conversion

# **Noise Filtering**

### **Directional Noise Elimination**

# **Neural Network Speech Isolation**

## Comparison

- 8.1 Synthetic Samples
- 8.2 Recorded Samples
- 8.3 Live events
- 8.4 Comparing all three methods and combining them

## **Results**

# **Future Work**

### 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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## **Bibliography**

- [1] Lars Madsen. *Introduktion til LaTeX*. http://www.imf.au.dk/system/latex/bog/. 2010.
- [2] Frank Mittelbach. The LATEX companion. 2. ed. Addison-Wesley, 2005.
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## Appendix A

# Appendix A name

Here is the first appendix