

DUBLIN CITY UNIVERSITY

ELECTRONIC AND COMPUTER ENGINEERING

EE445 Bioelectronics IoT Group Project



Authors

Michael Lenehan michael.lenehan4@mail.dcu.ie
Student Number: 15410402

Student Number:

Student Number:

08/04/2019

Contents

| | | |
|----------|----------------------------------|----------|
| 1 | Introduction | 5 |
| 1.1 | Aims | 5 |
| 2 | Hardware | 6 |
| 2.1 | Components | 6 |
| 2.2 | Amplifier Design | 6 |
| 3 | Software | 7 |
| 3.1 | ECG Sampling | 7 |
| 3.2 | ThingSpeak Integration | 7 |
| 3.3 | MATLAB Script | 7 |

List of Tables

List of Figures

1 Introduction

1.1 Aims

2 Hardware

2.1 Components

2.2 Amplifier Design

3 Software

3.1 ECG Sampling

3.2 ThingSpeak Integration

3.3 MATLAB Script

Bibliography