

ELEN4012 EMOTION RECOGNITION PROJECT PLAN

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Abstract:

Key words:

1. INTRODUCTION

2. PROBLEM BACKGROUND

3. PROBLEM SPECIFICATION

4. PROPOSED APPROACH

4.1 Approach Overview

4.2 Approach Details

4.2.1 Signal Conditioning

4.2.2 Signal Enhancement

4.2.3 Signal Classification

4.2.4 User Interface

5. PROJECT MANAGEMENT

Throughout the duration of the project, the partners will be in contact with each other regarding their progress or any other obstacles which they may face. In addition, at least one weekly face-to-face meeting will be held between the partners and project supervisor.

Project files will be housed on a private GitHub repository.

The subsections following will outline how the project components listed in section 4. will be divided and the estimated time to be taken for each.

5.1 Signal Conditioning

5.2 Signal Enhancement

5.3 Signal Classification

5.4 User Interface

6. RISKS & THEIR MITIGATIONS

6.1 Data Security

Data Stolen and misused.

Will be mitigated by storing all collected data in password protected file and destroyed after.

6.2 Ethical Issues

Personal information disclosed, etc.

Ethics clearance will be obtained prior to project. A script will be given to participants therefore no personal info. Each participant will be given information sheet on the project and sign a declaration.

6.3 Inaccurate Results

Data could be distorted and give inaccurate results.

Recorded in soundproof chamber where possible. Tests will be run on data. Estimated percentage accuracy will be obtained.

6.4 Intellectual Property Risks

Google

7. CONCLUSION



Figure 1: Block diagram of approach overview.

Appendix