Design Report: NZ Bird Sound Classifier

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Abstract—**Summarise your project plan in 150–250 words, covering scientific context, objectives, and expected outcomes. Avoid symbols, special characters, or math.**

Index Terms—**project plan, bird classification, sound analysis, machine learning**

I. Introduction

Provide scientific context and motivation for the project. Explain the problem, its significance, and the objectives of the project plan.

II. Theory and Design

Describe the theoretical framework and design approach. Include key concepts, methodologies, or models underpinning the project. Use equations if necessary, e.g.:

$$y = f(x) \tag{1}$$

A. Methodology

Detail the specific methods or techniques to be used. Explain how they address the problem.

B. Design Specifications

Outline the design components, tools, or systems planned for the project.

III. Expected Results

Describe anticipated outcomes, including potential findings, deliverables, or impacts. Justify expectations based on theory and design.

IV. Statement

Provide a concise statement (e.g., project goals, contributions, or ethical considerations). This section can spill onto the third page with references.

References

[1] Author(s), "Title of paper," Journal Name, vol. X, pp. Y–Z, Month Year.