

INFANT CARETAKER: A SYSTEM TO IDENTIFY BABY CRY AND ENTERTAIN CRYING BABY Biruntha G. Department of Computer Science, Faculty of Science, University of Jaffna, Sri Lanka

Introduction

The first verbal communication of an infant is **cry**.

An infant crying signal is the attention call for parents or caregivers and motivates them to alleviate the distress. There are five types of infant cries:

- "neh" means hunger
- "owh" means tired
- "eh" means that the baby wants to burp
- "eairh" means pain
- "heh" means uncomfortable

This is an automation system which would be useful for caretakers to take care of their child in busy schedule.

Objective

During the first year of child's life, it is very difficult for new parents to understand why their infant crying.

- To suggest the reason of cry.
- To alert the caretaker by sending SMS.
- To give more **attention** towards their child.
- To entertain the baby with songs and rhymes.
- To monitor the baby's activities.

What is Infant Caretaker



While working, Their precious baby cries.

Nowadays our mother's are totally stressed out with the workload they have.



Without knowing the reason she will get panic.

Figure 1



The cry sample dataset was divided into two such as training data and testing data. 95 training cry samples were using and those 95 cry samples were compiled by considering 19 samples from each of the following type of baby cry: hungry baby cries, sleepy baby cries, wanted to burp baby cries, in pain baby cries, and uncomfortable baby cries (uncomfortable feeling may be because of wet diaper, severe hot or cold climate etc). Another 45 samples were used for testing purpose.

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