Technical Document

1.Introduction

1.1 Purpose

This document gives detailed functional and non functional requirements for Smart Kids. The purpose is that the requirements mentioned in it should be utilized by the software developer to implement the system.

1.2 Scope

Smart kids is an application that is made with the children between the age of 4-5 as the targeted audience. Smart kids aims at teaching the kids to write alphabets and to associate words with each alphabet. The sound that is played in the background helps the kids to better remember the pronunciation. The kids can also listen to poems and read them using this app.

1.3 Overview

The system provides an easy to the parents who want their kids to learn to read and write in an interactive way.

2. General Description

This application allows the user to either learn alphabets or read poems. Children can learn to read and write with the help of Smart Kids. The kids will find the learning process interactive and interesting and will not feel as though they are being forced to do something but will learn taking keen interest in the whole process.

3. Functional Requirements

3.1 Technical Issues

The system should be implemented in eclipse.

4. Interface Requirements

4.1 GUI

GUI 1: Main menu should provide options for either navigating to learning alphabets or to go to the poems section.

GUI 2: Clicking on the alphabets takes you to a screen where you write an alphabet onto the screen in a single stroke

GUI 3: The gesture is detected and an image corresponding to a word that starts with the alphabet is displayed onto the screen ,also a sound is played in the background which helps the children to better understand the pronunciations of the word.

GUI 4: The poems section offers the kids a chance to learn new poems by reading them. The poem will also be played back in the background so that the child can hear and learn the poem.

5. Other Non- Functional Requirements

5.1 Reliability

The whole software should be consistent and should not cause any ambiguous results to be returned.