EXPERIMENT NO. 1

SOFTWARE REQUIREMENTS SPECIFICATION

Aim

To prepare software requirements specification document for project e-Administration of computer labs in IEEE format.

Description

An SRS is basically an organization's understanding (in writing) of a customer or potential client's system requirements and dependencies.

An SRS should address the following:

a) Functionality. What is the software supposed to do?

b) External interfaces. How does the software interact with people, the system's hardware, other hardware, and other software?

c) Performance. What is the speed, availability, response time, recovery time of various software functions, etc.?

d) Attributes. What are the portability, correctness, maintainability, security, etc. considerations?

e) Design constraints imposed on an implementation. Are there any required standards in effect, implementation language, policies for database integrity, resource limits, operating environment(s) etc.

Conclusion

Based on the information we had, we prepared an SRS which helped us to simplify our tasks, ensure the goals were known before hand and helped ensure that all parties which were involved were aware about what tasks were to be handled and how.

ABSTRACT

Emotion recognition is the part of speech recognition which is gaining more popularity and need for it increases enormously. Although there are methods to recognize emotion using machine learning techniques, this project attempts to use deep learning and image classification method to recognize emotion and classify the emotion according to the speech signals. Various datasets are investigated and explored for training emotion recognition model are explained in this paper. Some of the issues on database, existing methodologies are addressed in the paper. Inception Net is used for emotion recognition with the paper. Inception Net is used for emotion recognition with IEMOCAP datasets. Final accuracy of this emotion recognition model using Inception Net v3 Model is 35%(~). Index Terms: speech recognition; emotion recognition; automatic speech recognition; deep learning; image recognition; speechtechnology; signal processing; image classification.