Scope of the Project

The main project is to modify an open source white board application (*Open-Sankore*) as per client requirement. And as per client’s requirement, the modified application should support hand writing recognition feature.

The scope of this project is to do a feasibility study of supporting hand writing recognition and to do a test implementation of one of the feature that requires hand writing recognition.

Requirement item taken for feasibility

Fill in the blanks with Images (CUP - Cup Image and C\_P, Pen - Pen Image and PE\_) etc.

Requirement understanding

As per the above requirement, words like ‘CUP’ will be displayed along with an image corresponding to that word. Then a ‘fill in the blank’ type statement will be displayed like ‘C\_P’.

User should able to write *letter* in the blank space provided and the system should recognize the letter written and should able to check if the written letter is correct or not.

Feasibility process

The project will be done in Windows7 64bit OS as a 32bit application.

The *Open-Sankore* source code will be downloaded from the source repository and will build as a 32bit application using QT-Creator or visual studio 2010.

First we shall check if the existing system support hand writing recognition feature and its feasibility in our new implementation. If the system doesn’t support the feature or if it’s not feasible with the new requirement, we shall use some other open source projects like *Open-CV* and integrate it into existing system to support hand writing recognition feature.

After that we will implement the above mentioned new feature in the existing *Open-Sankore* system.

Time frame for feasibility

The feasibility is planned to be completed within 15 days from the date of acceptance. The actual effort will be provided after the completion of feasibility.