DESCRIPTION: The Draw-Talk-Write process assists non-textually literate users to tell their stories, and in the process develop literacy skills over time. In recent years, attempts have been made to automate the DTW process using speech recognition and neural network pattern recognition techniques. The student will be provided with (Java-based) DTW software, which provides image output in response to (limited vocabulary) speech input. The NVivo qualitative analysis package will also be provided. The student will develop techniques for efficiently linking the output from the DTW package to the input of NVivo. Images produced by DTW will be output by NVivo in what is essentially Entity-Relationship Diagram form. Such a facility will further enhance the development of literacy skills, by linking the various key objects of the user's (oral) stories in visual form.

DELIVERABLE: Software to link pre-existing DTW and NVivo packages in a manner which will enhance literacy learning.