

# EndSem Status Report

Sai Gollapudi; Fall Semester, Nov, 2013

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## Earlier work

Prior to this Fall Semester, i.e. during Spring and Summer, I had worked on information gathering and do exploratory work for topic area. The focus has been on Accessibility and Personalization. I had already begun the deep dive into Accessibility.

In the earlier semester, I had already published a paper in T4E2012. It was titled "Text, Table or Image, which is better?" I had also co-authored and published a Accessibility paper for Dyslexics. It was called "ReadAid tool to help dyslexia" and was published in HCI 2012.

In my earlier work I had built a Mozilla browser add-on to help me (1) learn the skills of web development, and (2) to get familiar with browser based solutions ... which I may choose to use in doing Accessibility and Personalization work.

## Current work

During this semester I had published a paper in T4E 2013 conference. It was titled "A Descriptive study of Tier 2, Tier 3 students of AP". The chief aim of this paper was to establish the differences in learner competencies and technical skills. This paper was accepted as a short paper. It got good reviews and one of them was recommending me to publish in a journal.

A second paper got published in iHCI 2013 proceedings. The title of this work is "Less is more...". This paper was addressing NPTEL video bandwidth reduction issue. I had used a social solution of video cropping of gestures (instead of a technical solution). The paper got good reviews.

During this semester, I had put significant effort in pulling together 3 NWO proposals. The work is ongoing, and the effort also continues. All of the proposals essentially involve the concept of SWeeTs. The three proposals were: (1) a Serious Game project with PurpleTalk, (2) a medical health information platform with Rand, (3) a Software Maintenance project with SGI. This project helped us concretize our ideas around SWeeTs and also forge new relationships with people outside IIIT.

Overall, during this semester we were able to crystallize the SWeeT concept and framework. This was critical for my PhD effort. To enable this, I am working with Nitin to setup up the back-end SWeeT repositories at IIIT-Hyd. VM has been setup, domain name has been allocated – swtr.iiit.ac.in – and code has been linked in GitHub. Nitin is working on activating the repository now.

During this semester I have also begun developing a mechanism to deposit SWeeTs (ongoing).

To get some implementation work done, I have been working with external students to develop some code for use in Renarration. These projects include “URL overloading”, “Personalization as a web-service”, and some experimental research work. Except for the former the latter two have not demoed their work. The students are from VNRVJIET campus. Apparently, the second project was also done... but still waiting on the report, demo and closure.

## **Future work**

As part of future work, I will continue to work on the funding work (NWO proposals, other sources?), develop some Semantic Web apps using SWeeTs (for demos), draft SWeeT papers for Accessibility / Semantic Web conference or journals, and see if I can present a formal “PhD proposal” for my PhD at IIIT.