

Report January 2016

This is a progress report for the NVDA project in the month of January 2016. The development work is going on in the text to speech engine TTS eSpeak and the screen reader NVDA.

Trainings are also conducted to spread awareness about NVDA.

NVDA section

The following issues were worked on in the month of November:

Bug ID	Description	Status
5618	Reporting status bar in Visual Studio: Instead of the gesture script approach which was tried for this issue earlier, we are again accessing status bar using the bottom coordinates of the screen. Different co-ordinate combinations were tried to make sure that status bar announcement of other applications is not disturbed.	The issue is in incubating stage and is accepted for review.
3683	Reporting cell shading in case of conditional formatting+ reporting excel cell background pattern addition of edge cases for reporting background color in case of gradient pattern applied to cell.	Code is accepted for review.
5619	Added functionality to read file name when Ctrl +tab is pressed for the first time. Researched for finding ways to eliminate extra information being spoken when Ctrl+tab is done for the second time.	Work is accepted for review.
Language toolbar accessibility	Researched on the language toolbar inaccessibility using NVDA object navigation. The MSAA objects for the inaccessible options exist but the hierarchy is broken in between and hence it is not possible to each them via object navigation. Also there is no option to switch keyboard layouts for a particular language. For ex 3 keyboard layouts for Hindi bhasha India. Researched on various available Microsoft API functions to get the available keyboard layouts and to load them programmatically .	Work is in progress.
4909	Reference bug#1541: MS Word- charts are not detected and read by NVDA.#4909 series and points navigation implementation for charts in Ms word. Also, reporting of chart object and its title while navigation in a document, were	Work is in progress.

Training section:

Following is a short report on the training conducted in the month of January:

Date: 21st January 2016

Venue: Centre for Differently Abled Persons, Bharathidasan University, Tiruchirappalli

The eSpeak with NVDA Screen Reader and Assistive Technology workshop planned for 1 day (21st January 2016) for those stakeholders in Colleges and Volunteers working with visually challenged students was inaugurated in the morning by Mr. S. Shankar Subbiah, Assistive Technology Consultant and representative of Centre for Internet & Society, Bangalore, and National Association for Blind, New Delhi, the sponsors for workshop. He gave a talk on the purpose of the Workshop and need for use of Assistive Technology among the visually challenged in the present educational and employment context. Dr. M. Prabhavathy, Asst. Professor and Centre Head gave the Welcome address and Vote of thanks, thanking the participants for their interests on empowerment of visually challenged and their earnest efforts.