

Report June 2016

This is a progress report for the NVDA project in the month of June 2016. The development work is going on in 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 June 2016:

Bug ID	Description	Status
5738	<p>Ref Bug 1541: shapes are not accessible in MS Word.</p> <p>Now work is being done to recognize the presence of smart arts and read the text inside the smart arts. Under this issue Insertion of smart art in a word document is also covered.</p> <p>The test build can be downloaded from the link below: https://www.dropbox.com/sh/8zbbxzrs1gswu5u/AACxpPje8oRE-TeXpKB0RvNpa?dl=0 /</p>	Work is in progress.
5874	<p>suggestion: providing a way to add custom labels on web pages on IE will be helpful.</p> <p>Worked on different approaches to make custom labels work for links.</p> <p>Approach 1: to create an update buffer mechanism similar to braille update mechanism already present in NVDA. The update buffer function is called every time a custom label is added and the custom label is assigned while handling this update.</p> <p>Approach 2: create a altogether new function in the Vbuf file to assign the custom labels to HTML nodes and load them. This function should be called at the time of page loading.</p> <p>Approach 3: This is the current approach being worked upon. Trying to send the labels to the createBuffer function of vbufRemote (in the form of a dictionary). These values are being send at the time of webpage loading. Working on finding a soltion to send this data to the function where the buffer is actually created and add it to the buffer instead of the values being currently adopted.</p> <p>The test build can be downloaded from the link below: https://www.dropbox.com/s/wa0t88jd5x1sruq/nvda_snapshot_source-in_t5874-1aae748.exe?dl=0</p>	Work is in progress.
1541	<p>Detecting shapes and charts in Microsoft Word.</p> <p>Under this issue, the word charts are made accessible though browse mode in M?S Word. New and a better design was prepared by the developer and tested thoroughly.</p> <p>The test build can be downloaded from the link below: https://www.dropbox.com/s/oiz7yyymvchtoa/nvda_snapshot_source-in_t1541_Fin-450d958.exe?dl=0</p>	Work has been submitted for the review by the core team.

Research	A research work was also started in the month of June to make NVDA Addon in which it was studies how to convert NVDA enhancement to an add-on.	The work is in progress.
6092	Reported background pattern labels don't match with the patterns in Excel 2016. Resolved the issue by changing pattern labels name for excel patterns. The test build can be downloaded from the link below: https://www.dropbox.com/sh/2lh4h4x9u0tmyfw/AADB2D138nkgFpvRnGbR-aEda?dl=0	The code is to be submitted for review.

Training section:

Following is a short report on the trainings conducted in the month of June 2016:

Month: June 2016

Madhya Pradesh: Arushi

Trainer: Santosh Khare, Ankur & Ankit

Date: 20.06.16 to 23.06.16

Four Days Training Program on use of NAVA with E-Speak at State Institute of Science Education, Jabalpur, M.P.

14 Girls from Anaya Manav Sewa Sai Samiti and Staff Members of State Science Centre, Jabalpur participated in the program.

Date: 24.06.16 Demonstration of E-Speak was done and Meeting with Secretary (Dr. Manohar Agnani, Awareness Program for the Students of D.Ed. Special Education at Viklang Sewa Bharti, Jabalpur, M.P was arranged.

Total female participants: 30

Total male participants: 09

Total participants: 39

Jalgaon, Maharashtra: Dreamy Eyes resource center for the Visually Challenged

Trainer: Pawan LaxmanSingh Bundela

Date: 31.05.16

Android Accessibility workshop was conducted for visually challenged. Following concepts were covered in the training:

Introduction to Android operating system, why android? Its usage to visually challenged. What is Talkback and concept of TTS (Text to speech engine). How to activate Talkback system by taking sighted help. Using other accessibility features.

Total female participants: 4

Total male participants: 3

Total participants: 7

Karnataka: Mitra Jyothi, Bangalore

Trainers: Mr. Syed Mansoor / Ms. Sherin

Date: 27.6.2016, 28.6.2016, 29.6.2016 Awareness and hands-on training program on NVDA was provided to library members of Mitra Jyothi. All the beneficiaries are pursuing their higher education.

Date: 30.6.2016 Awareness training on NVDA for corporate volunteers from Goldman Sachs – The Awareness on NVDA was provided to Mitra Jyothi Trainees currently part of the ILS Program.

Total female participants: 5

Total male participants: 14

Total participants: 19

Maharashtra: XRCV

Trainers: Nirmal Verma, Harshad Jadhav, Vikas Dabholkar and Keshavan Nadar.

Date: 2.06.2016 to 3.06.2016

Workshop for creating accessible E-pub Marathi books" using playable on NVDA / E-Speak.

Date: 11.06.2016

Marathi eSpeak with NVDA Workshop

Date: 19.06.2016

Basic "Internet & Email Workshop" with NVDA / eSpeak Workshop

Date: 25.06.2016

Touch screen user training with android and eSpeak TTS

Date: 27.06.2016

Training for data transfer using NVDA and E-Speak on to portable devices and file management using NVDA and eSpeak.

Total female participants: 22

Total male participants: 28

Total participants: 50

Maharashtra: Jalgaon

Trainers: Pawan Bundela, Mr. Shubham Deshmuk, Amravati.

Date: 20.06.2016 to 24.06.2016

A five day workshop on 'Android Mobile Accessibility and E Speak' was organized by the Centre, at Soham Knowledge Centre, Library Building, MJ College Campus, Jalgaon-425002, to familiarize and train the VI with touch screen smart phone handling and on screen reading of Indian languages. Since the workshop mandated availability of touch screen smart phone, only those Vis with such gadgets could attend the training program. Details of training program have been printed in Braille Script and handed over to each participant to enable them the sequence of topics covered each day. All the participants were provided with breakfast and tea, lunch, and evening tea. Outstation candidates were provided with dinner and accommodation.

Topics covered: Introduction to Android operating system, why android? Its usage to Visually Challenged. What is Talkback and concept of TTS (Text to speech engines), Reading Marathi and other Indian languages by using Espeak TTS How to on Talkback system by taking sighted's help. Using Other accessibility features. Using gestures, entering text. Using social networking sights and messengers. Using apps like calendar , Calculator and clock ETC. Some image recognizing apps such as Tap Tap See. Recharging and bill payment using sites like Paytm and Freecharge. Using Google maps.

Total female participants: 3

Total male participants: 8

Total participants: 11