7.1.7. Deatails of the software providing the assistance

1) Scribe Software: The institute provides specialized software, such as Scribe, to support students who are blind or visually impaired. This software helps them access digital content by converting text on the screen into speech or braille output. By using text-to-speech technology, students can listen to the content of web pages, documents, or other digital materials, allowing them to read and interact with the screen effectively. The software ensures greater accessibility and independence for visually impaired students in their academic activities.

JAWS Software Facility: The World's Most Popular Windows Screen Reader

A screen reader is a software program that enables a blind or visually impaired user to read the text that is displayed on the computer screen with a speech synthesizer or braille display. JAWS, Job Access With Speech, is the world's most popular screen reader, developed for computer users whose vision loss prevents them from seeing screen content or navigating with a mouse. JAWS provide speech and braille output for the most popular computer applications on your PC.

- ✓ Read documents. emails, websites and apps
- ✓ Easily navigate with your mouse
- ✓ Scan and read all of your documents, including PDF
- ✓ Fill out web forms with ease
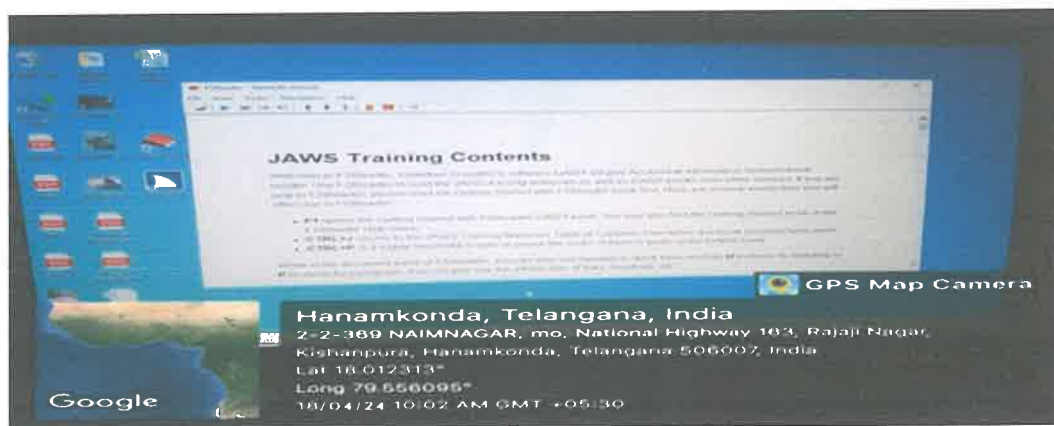- ✓ Easy to use with Daisy formatted basic training

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VISWAMBHARA EDUCATIONAL SOCIETY

VAAGDEVI COLLEGE OF PHARMACY

(Approved by AICTE & PCI, New Delhi & affiliated to Kakatiya University , Warangal, T.S)
Ramnagar Dist. Hanumakonda- 506001, (T.S)

✓ Save time with Skim Reading and Text Analyzer

✓ Surf the net with web browsing keystrokes

JAWS Software

NVDA (Non Visual Desktop Access) Screen Reader use with computer running on windows,

it helps for blind or visually impaired people

NVDA Screen Reader Setting

Telecoil: Telecoil, also called a t-coil, is a coil of wire that is installed inside many hearing aids and cochlear implants to act as a miniature wireless receiver. It was originally designed to make sounds clearer to a listener over the telephone. It also is used with a variety of other assistive listening devices, such as hearing loop (or induction loop) systems, FM systems, infrared systems, and personal amplifiers. The telecoil works by receiving an electromagnetic signal from the hearing loop and then turning it back into sound within the hearing aid or cochlear implant. This process eliminates much of the distracting background noise and delivers sound customized for one's own need. For people who are hard-of-hearing who do not have a telecoil-equipped hearing aid or cochlear implant, loop receivers with headsets can provide similar benefits but without the customized or "corrected sound" feature that matches one's hearing loss pattern.

Many cochlear implants have a telecoil built into the sound processor, or can use an external telecoil accessory with both hearing aid compatible telephones and public loop systems. A simple switch or programming maneuver performed by the user activates this function.

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506001, India
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17/12/24 11:21 AM GMT +05:30

Telecoil

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Assistive Technology and facilities for persons with disabilities (Divyangjan) assessable website, screen reading software, mechanized equipment

MACSPEAK (open-source)

Macspeak speech interface designed for visually impaired users to interact with computers independently and efficiently. It provides a rich, aural experience that includes support for audio formatting techniques and W3C's Aural CSS (ACSS). This enables Emacspeak to present information in a way that is both accessible and user-friendly for blind or visually impaired individuals.

The system offers a consistent interface for interacting with various aspects of the internet, including web browsing, messaging, and accessing local or remote information. Emacspeak integrates seamlessly with both local software and web-based content, making it a powerful tool for people with visual impairments. Additionally, Emacspeak is free and open-source, allowing for wide accessibility and use. It is particularly effective when combined with Linux on low-cost PC hardware, providing a stable and reliable solution that gives visually impaired users around the world efficient access to the Internet and personal computers. This combination of Emacspeak with Linux makes it an affordable and comprehensive tool for increasing digital accessibility.
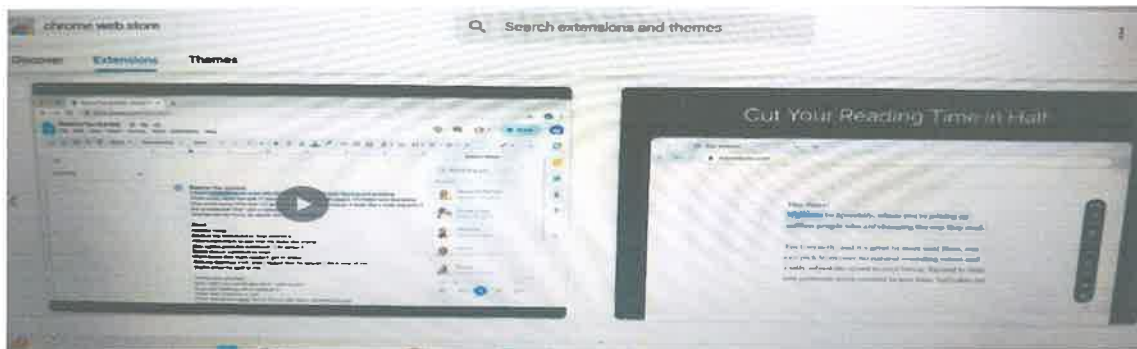
CHROMEVOX (Open source) : ChromeVox is a screen reader created by Google that allows users to browse the Internet. ChromeVox is built into any computer running Chrome OS

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including every Chrome book. It can also be added to both Windows and Mac OS and used with Google Chrome.

Chromevox

Provisions for enquiry and information, Human assistance reader, Scribe, softcopies and reading material screen reading

The institute is having its policy for differently abled persons in line with AICTE.

1. Provide guidance and counselling to differently abled individuals

2. Creating awareness about the needs of differently abled persons issues concerning to general and learning

3. To assist them, to gain successful employment opportunities

4. Facilitate admission in various courses as per the norms of the affiliating university

1. The Constitution of India ensures equality, freedom, justice and dignity of all individuals and implicitly mandates an inclusive society for all including persons with disabilities. In recent years, there have been vast and positive changes in the perception of the society towards persons

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with disabilities. It has been realized that a majority of persons with disabilities can lead a better quality of life if they have equal opportunities and effective access to rehabilitation measures.

2. According to the Census 2001, there are 2.19 crore persons with disabilities in India who constitute 2.13 percent of the total population. This includes persons with visual, hearing, speech, locomotor and mental disabilities. Seventy-five percent of persons with disabilities live in rural areas, 49 percent of disabled population is literate and only 34 percent are employed. The earlier emphasis on medical rehabilitation has now been replaced by an emphasis on social rehabilitation. There has been an increasing recognition of abilities of persons with disabilities and emphasis on mainstreaming them in the society based on their capabilities. The Government of India has enacted three legislations for persons with disabilities viz. (i) Persons with Disability (Equal Opportunities, Protection of Rights and Full Participation) Act, 1995, which provides for education, employment, creation of barrier-free environment, social security, etc. (ii) National Trust for Welfare of Persons with Autism, Cerebral Palsy, Mental Retardation and Multiple Disability Act, 1999, has provisions for legal guardianship of the four categories and creation of enabling environment for as much independent living as possible. (iii) Rehabilitation Council of India Act, 1992, deals with the development of man power for providing rehabilitation services.

3. In addition to the legal framework, extensive infrastructure has been developed.

Human assistance reader, Scribe (Open source)

1. VCOP provides the facility of scribes to assist differently able and visually impaired students during examination. The following guidelines are to be strictly followed: a) The

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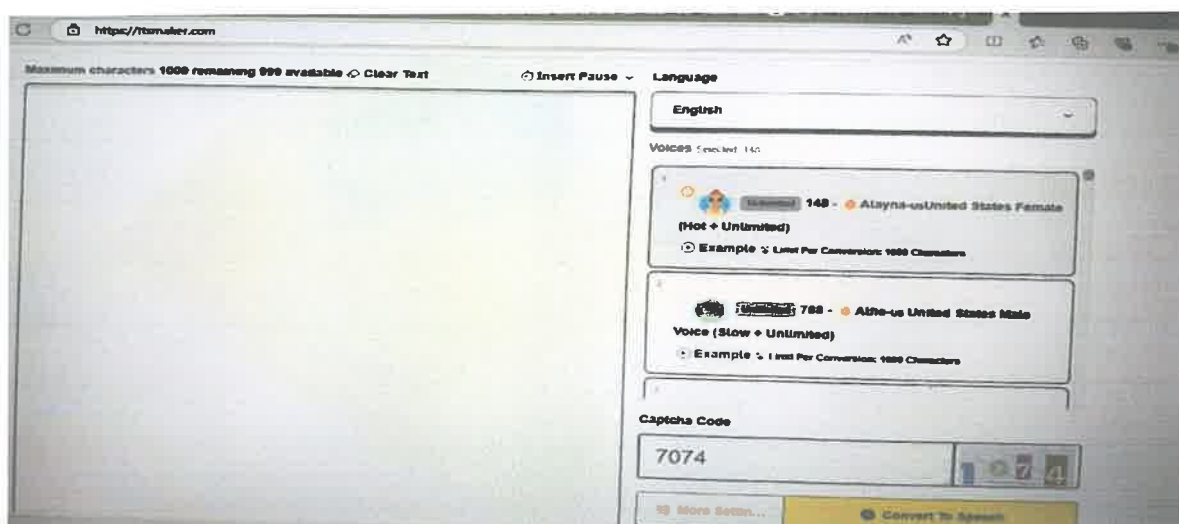Vaagdevi College of Pharmacy
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blind student may select the scribe. b) The scribe need not have a qualification lower than that of the student, provided that the scribe should not have the qualification (with the same optional and languages) pertaining to the examinations, which the student is writing c) A physically disabled / blind / hearing impaired candidate and the scribes for such a candidate shall be allowed an extra time of 20 minutes per hour. d) As the hearing-impaired students are having language problems, possibilities of grammar mistakes, mistakes in building the sentences are there.

2. Institute has the provision to provide Software facility for Visually Impaired students and the students who suffer from low vision issues or partial blindness etc. The software can easily convert speech to text and text to speech. The visually impaired student's canspeak to convert voice into text. The students would be provided with an assistant to read the text and convert as audio source for their future reference.

TTSMAKER Free Text Speech

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