



7.1.7. The institution has disabled friendly barrier free environment

1) Built Environment with Ramps/Lifts for Easy Access to Classrooms

The college has made provisions for accessibility, which is great for ensuring that all students, including those with mobility challenges, can easily access the classrooms and other facilities. Here's a revised version of your description to improve clarity and flow: "The college is equipped with a lift and a ramp to ensure easy access to the classrooms for all students. Additionally, the cellar is easily accessible as it is located at ground level.



Ramp



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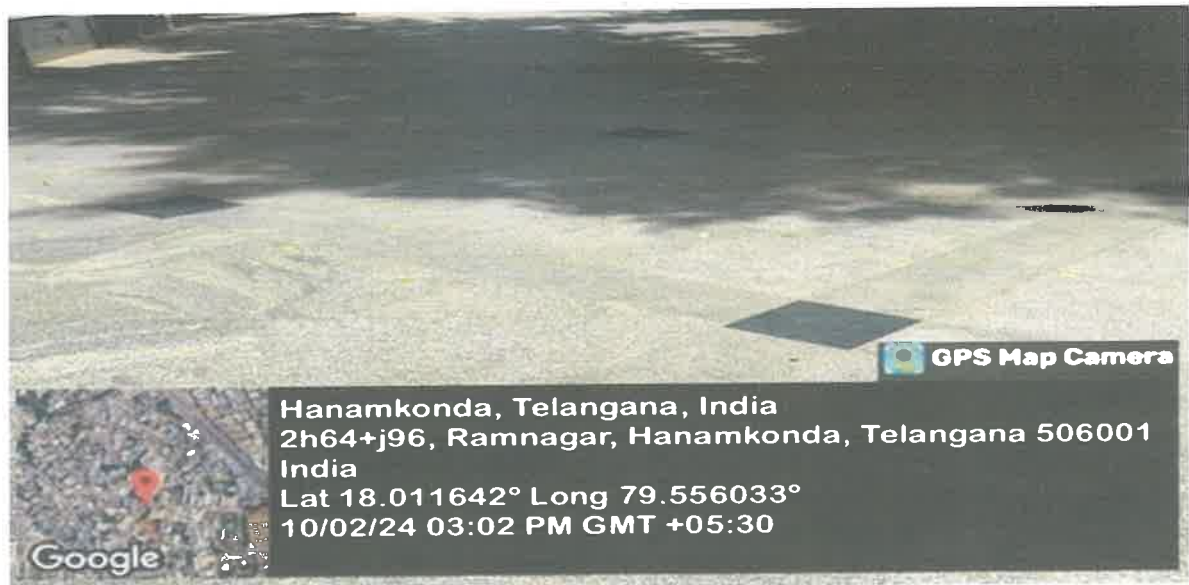


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Lift



Pedestrian Pathway



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2) Wheel Chair: Providing wheelchairs for easy access to classrooms and hospitals is an essential service to ensure that all students, regardless of their physical limitations, can participate in their education and access necessary medical care. This kind of support shows a commitment to inclusivity and ensures that students with mobility issues can navigate the campus safely and comfortably. Such services are part of a broader effort to create an accessible and equitable environment for everyone, supporting their academic success and overall well-being. Institutes offering these kinds of services may also have other accommodations, like ramps, elevators, and special seating arrangements, to further assist students with disabilities



Wheel Chair



[Signature]
Principal
Vaagdevi College of Pharmacy
Hanamakonda, Warangal-506 001



3) Divyangjan Friendly Wash Room: Divyangjan-friendly washroom,"

which is designed to be accessible for people with disabilities. However, placing such a washroom in a cellar might not be the most ideal solution for accessibility. Cellars are often difficult to access due to stairs or other obstacles, which could make it harder for individuals with mobility challenges to reach the washroom. For a washroom to be truly accessible, it should be located on the same level as other common areas of the building or have ramps or elevators for easy access. Ideally, it should be close to main corridors and well-marked with appropriate signage. In short, while the washroom may be "Divyangjan-friendly" in terms of design, its location in the cellar could present challenges that hinder accessibility.




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Divyangjan Friendly Washroom



Divyangjan Friendly Washroom



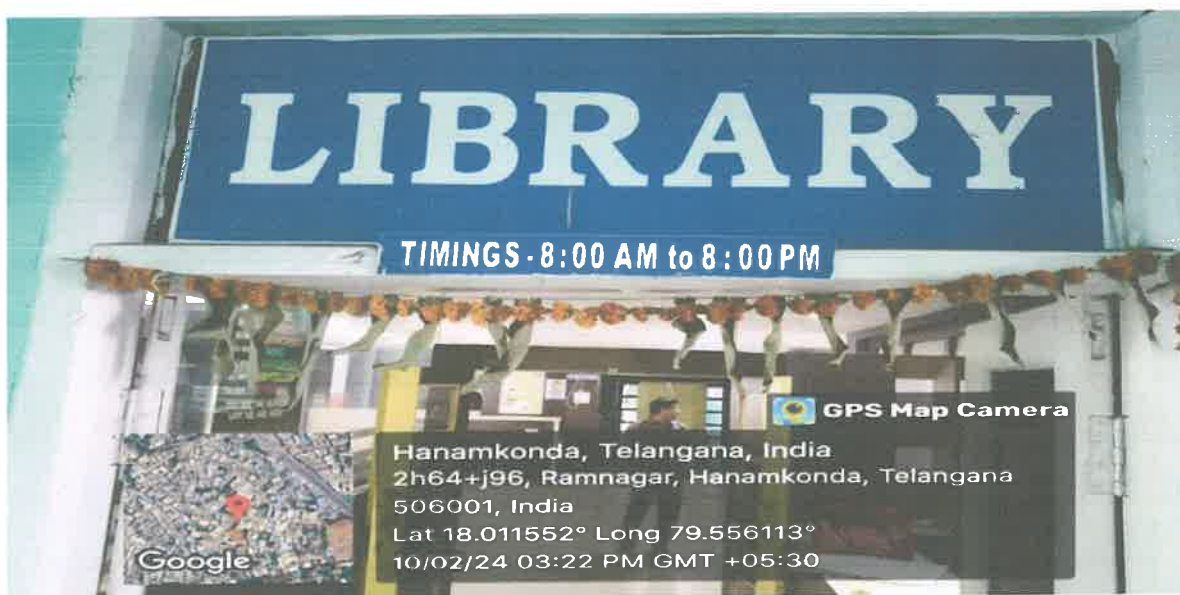

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4) Signage Boards: The institute has provided signage boards placed across the campus for convenience, ensuring easy navigation and helping visitors and students find their way around the premises."



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Vaagdevi College of Pharmacy
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CULTURAL ROOM



GPS Map Camera



Hanamkonda, Telangana, India
2h64+j96, Ramnagar, Hanamkonda, Telangana
506001, India
Lat 18.011571° Long 79.556004°
10/02/24 03:30 PM GMT +05:30

NOTICE BOARD



GPS Map Camera



Hanamkonda, Telangana, India
2h64+j96, Ramnagar, Hanamkonda, Telangana
506001, India
Lat 18.011563° Long 79.556038°
10/02/24 03:27 PM GMT +05:30



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Signage Boards

5) 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.



[Signature]
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Vaagdevi College of Pharmacy
 Hanamkonda, Warangal-506 001



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
- ✓ Save time with Skim Reading and Text Analyzer
- ✓ Surf the net with web browsing keystrokes



JAWS Software



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Vaagdevi College of Pharmacy
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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.



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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.



Telecoil

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.

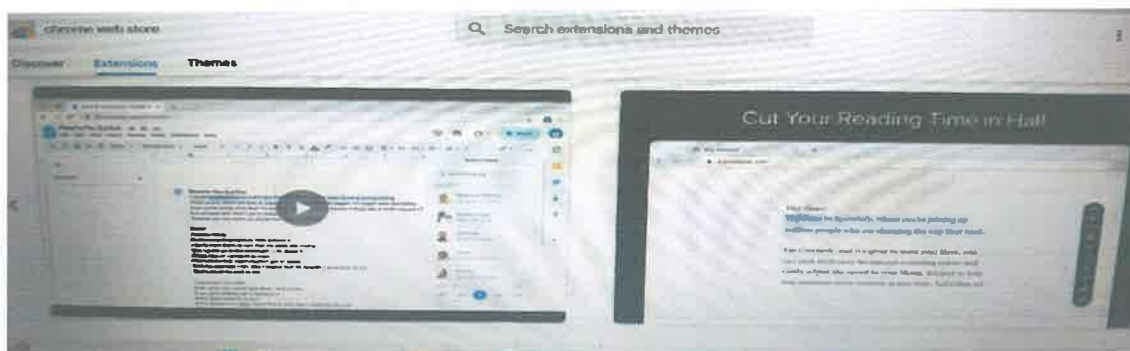


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The system offers a consistent interface for interacting with various aspects of the internet, including web browsing, messaging, and accessing local or remote information. Emacspeak integrates seamlessly with both local software and web-based content, 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 including every Chrome book. It can also be added to both Windows and Mac OS and used with Google Chrome.



Chromevox



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Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506



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 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



Principal
Vaagdevi College of Pharmacy
Hanamakonda, Warangal-506001




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)

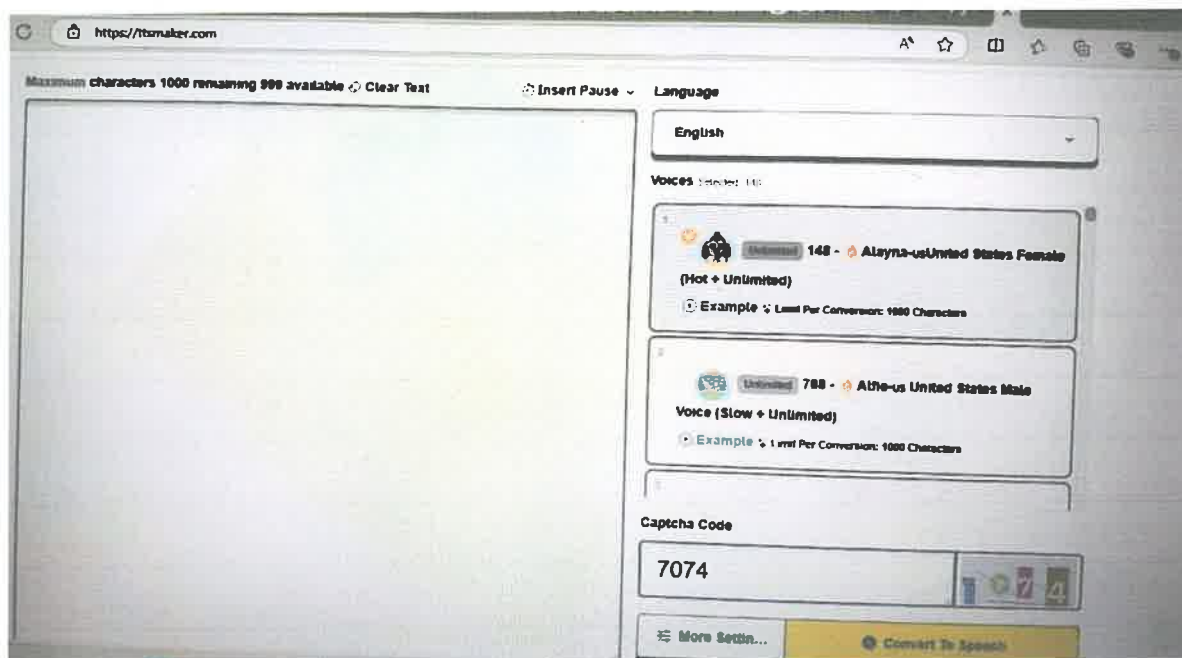
1.VCOP provides the facility of scribes to assist differently able and visually impaired students during examination. The following guidelines are to be strictly followed: a) The blind student may select the scribe. b) The scribe need not have a qualification lower than that of the student, provided 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. Hence, the answer papers shall be identified separately and evaluated with additional care.




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Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506001



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 can speak 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. The text material can also be converted to speech or voice and the recordings can be used by the student to attain the concepts clearly.



TTSMAKER Free Text Speech



[Handwritten signature]
Principal
Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506001