



SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)

(Approved by A.I.C.T.E., New Delhi & Affiliated to J.N.T.U.A, Ananthapuramu)

(Accredited by NAAC with 'A' grade)

(Accredited by NBA for CIVIL, EEE, MECH, ECE & CSE Courses)

SIDDHARTH NAGAR, NARAYANAVANAM ROAD, PUTTUR – 517 583
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7.1.7 Assistive Technology for Persons with Disabilities

Some of the following Assistive Technologies for the Persons with Disabilities are designed to improve the functional capabilities for disabled people. It helps people use their varied abilities to do the things that they want or need to do for communications.

1. NVDA Access

For blind people to use a computer, they need a screen reader which reads the text on the screen in a synthetic voice or with a braille display. But in many cases screen reading software costs more than the computer itself. In the past this has left computers inaccessible to millions of blind people around the world. This is a critical problem, because without computers, access to education and employment is severely limited, not to mention everyday functions such as online banking, shopping and news. In April 2006 Michael began to develop a free screen reader called NVDA (Nonvisual Desktop Access) for use with computers running on Windows.

<https://www.nvaccess.org>

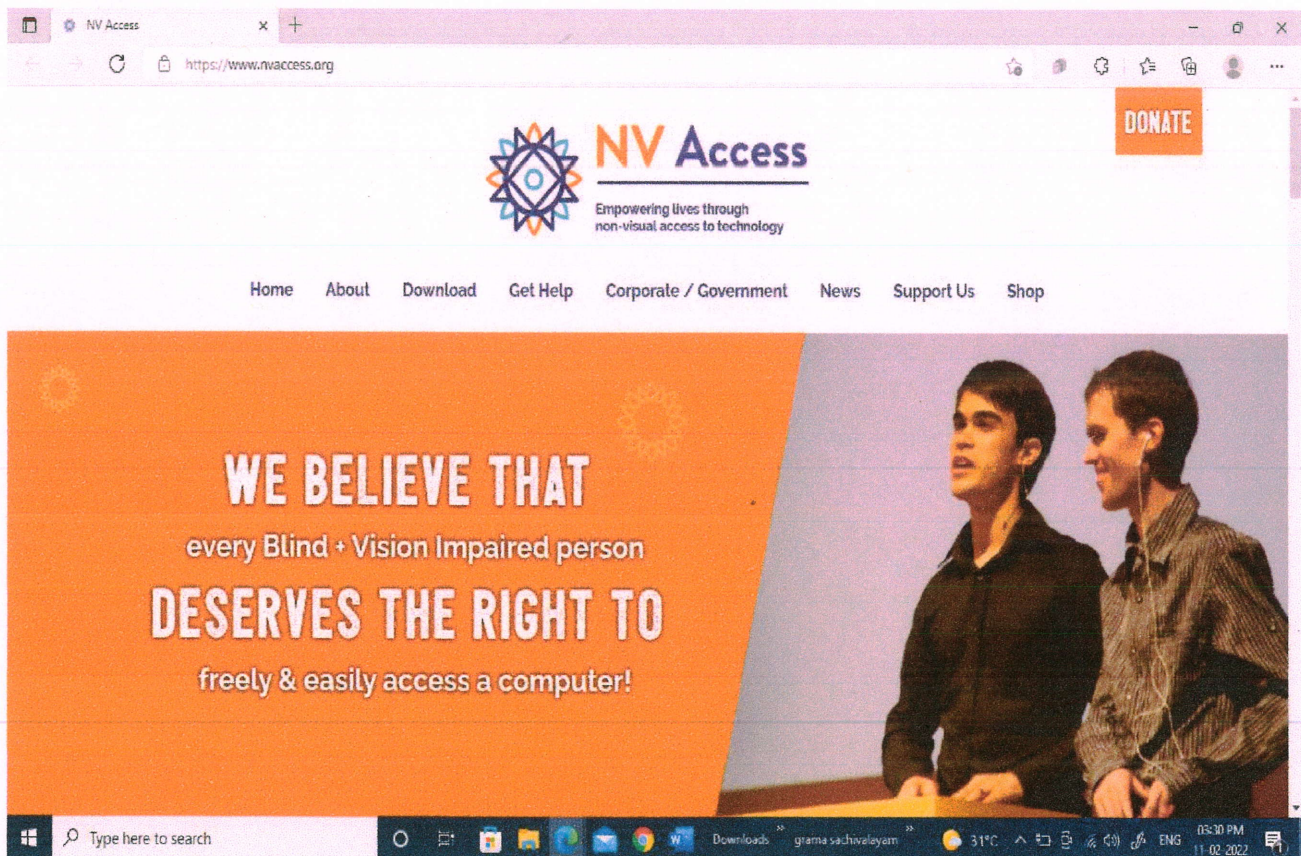


Fig. NVDA access for the visually impaired persons

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2. USABILITY GEEK Screen Reader

A screen reader is an essential piece of software for a blind or visually impaired person. Simply put, a screen reader transmits whatever text is displayed on the computer screen into a form that a visually impaired user can process (usually tactile, auditory or a combination of both). While the most basic screen readers will not help blind users navigate a computer, those with additional features can give people with visual impairment much more independence.

[10 Free Screen Readers For Blind Or Visually Impaired Users - Usability Geek](https://usabilitygeek.com/10-free-screen-reader-blind-visually-impaired-users/)

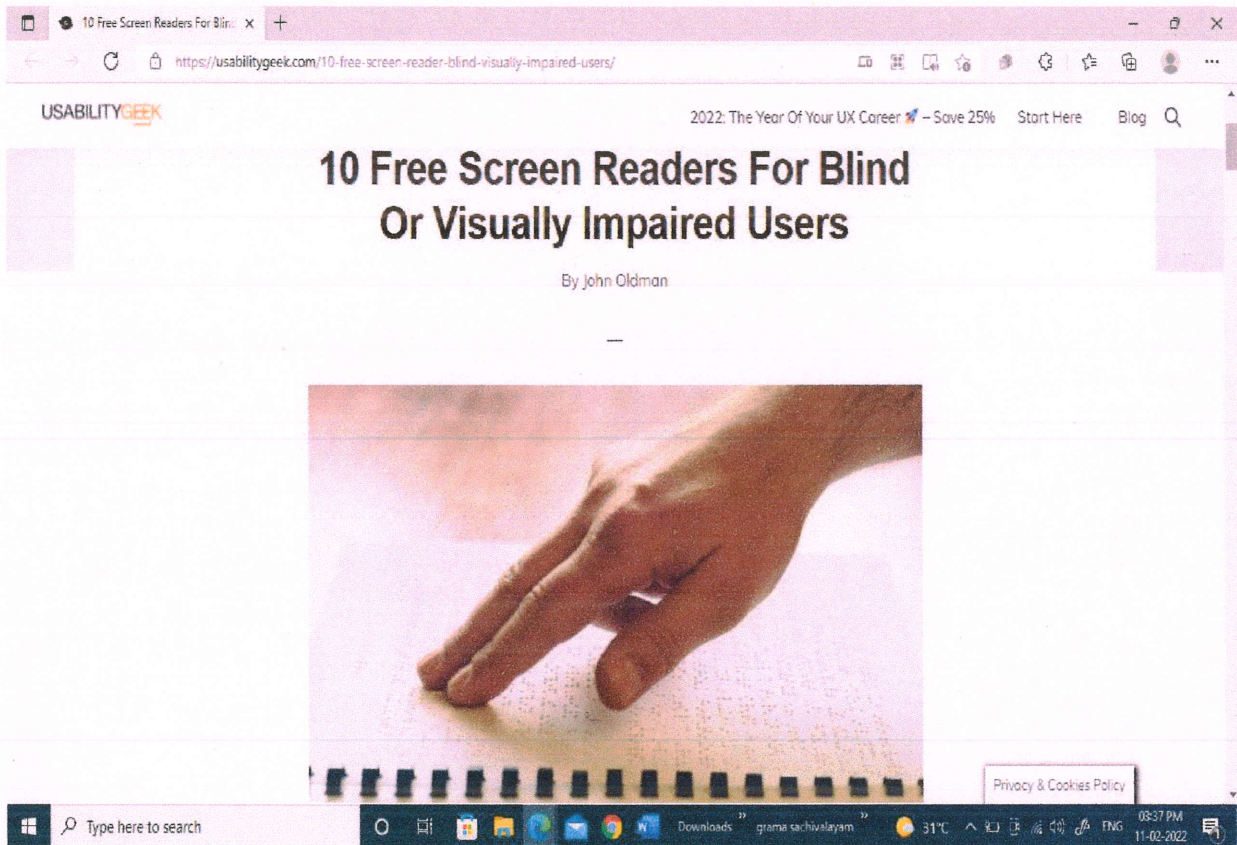


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