

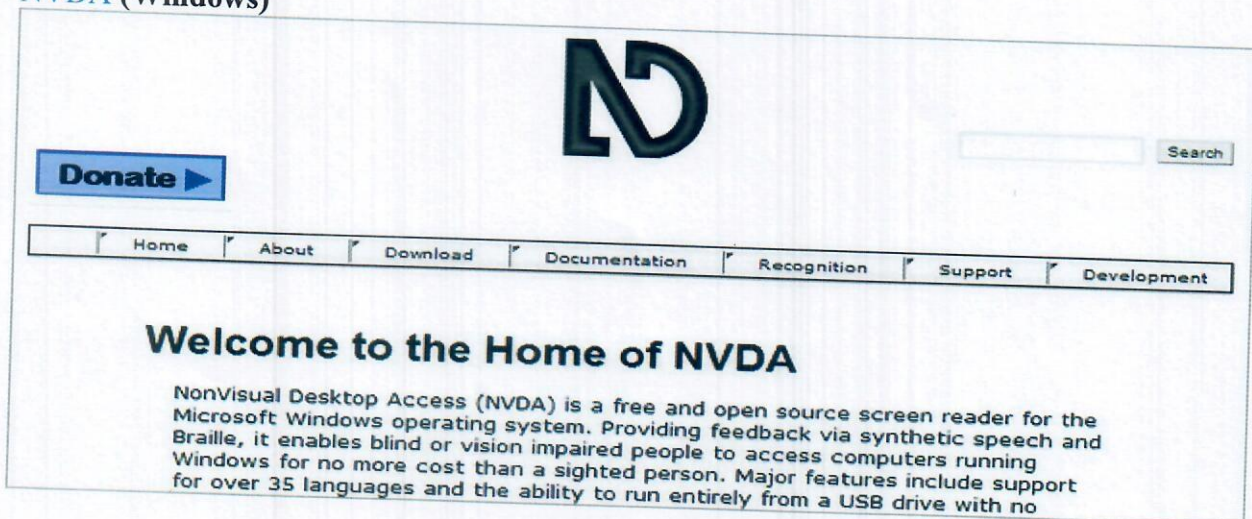
# Loyola College (Autonomous) Chennai 600034

## Resource Centre for the Differently Abled (RCDA)

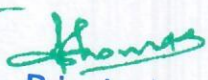
### Essential Software: A Screen Reader

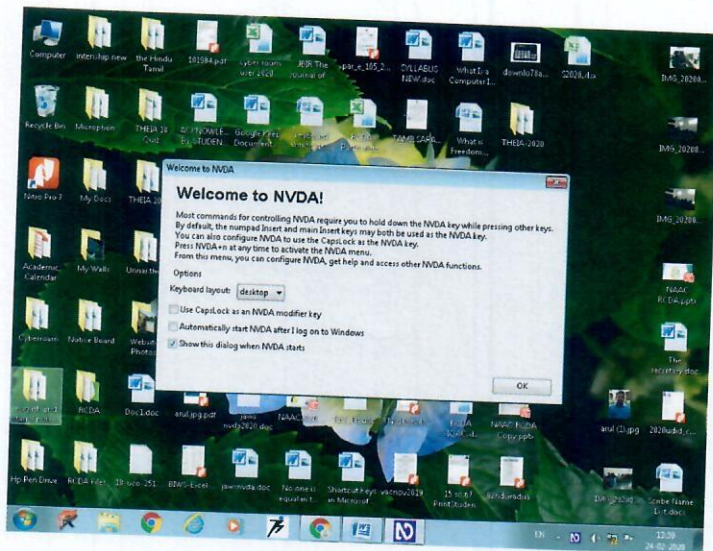
A screen reader is an essential piece of software for a blind or visually impaired person. Simply put, a screen reader transmits whatever text is displayed on the computer screen into a form that a visually impaired user can process (usually tactile, auditory or a combination of both). While the most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

### NVDA (Windows)



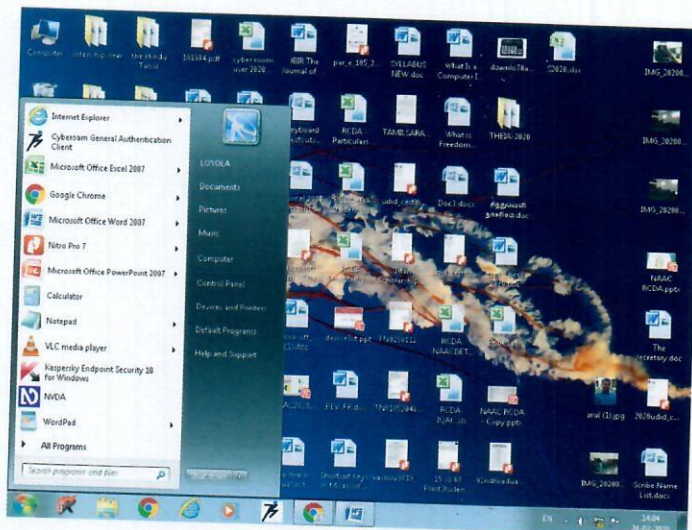
NVDA has been designed by a blind software engineering graduate, James Teh, for use with Windows computers. This free and open source screen reader has a synthetic voice that reads whatever the cursor hovers over, and can be used directly from a USB stick, making it ideal for students.

  
Principal  
LOYOLA COLLEGE  
CHENNAI-600034



Step 1:

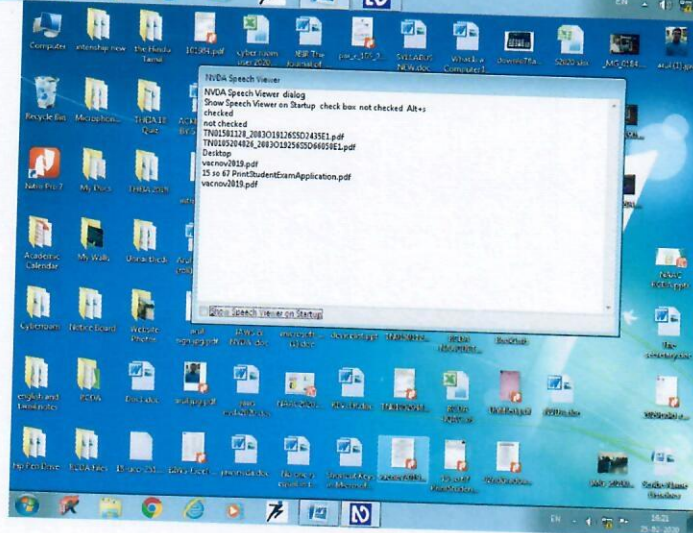
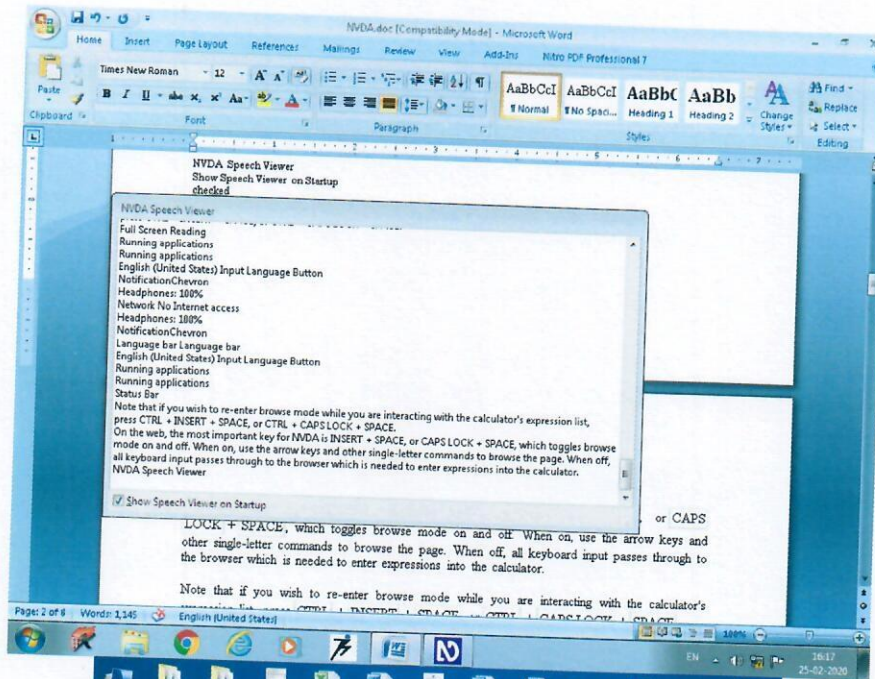
To Start With NVDA: **Ctrl + Alt + N**



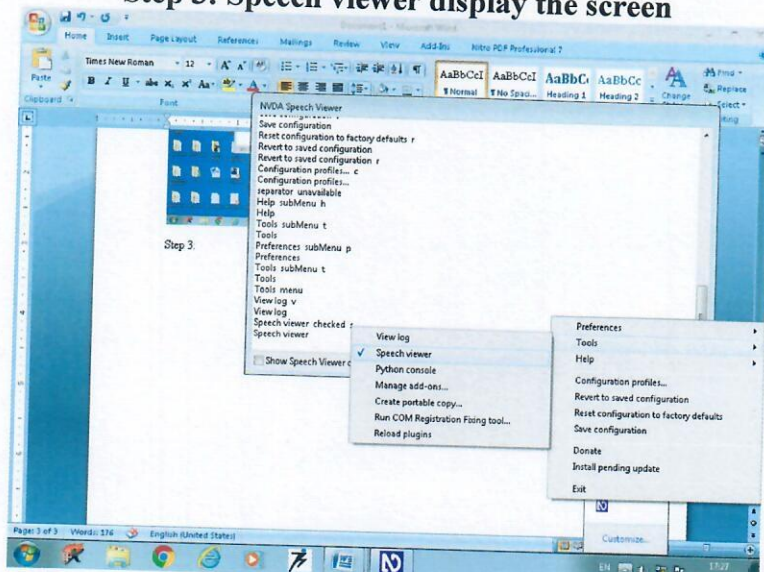
Step 2: Start Menu Search Box Edit Search Programs and Files.

NVDA Speech Viewer  
 Show Speech Viewer on Startup  
     checked  
     not checked  
 NVDA Speech Viewer  
     not checked  
 Show Speech Viewer on Startup

*Thomas*  
 Principal  
 LOYOLA COLLEGE  
 CHENNAI-600034



### Step 3: Speech viewer display the screen



## NVDA- Non Visual Desktop Access

This is designed to help users who are new to Non Visual Desktop Access (NVDA) learn the basic controls for testing web content, and to serve as a reference for the occasional NVDA user. Nonvisual Desktop Access (NVDA) is a free and open source screen reader for the Microsoft Windows operating system.

### **NVDA Screen Reader**

Non Visual Desktop Access (NVDA) is a free, open-source, portable **screen reader** for Microsoft Windows. The project was started by Michael Curran in 2006. NVDA is programmed in Python.

### **Start with NVDA:**

- Choose Start, All Programs, NVDA, NVDA. You will hear a tone to let you know NVDA is running in the background.
- To hear what is currently on the screen, start moving the mouse around. NVDA will read what is under the cursor as you move the mouse. While NVDA is running you can use all of the standard Windows 7 keyboard shortcuts as well.
- To pause NVDA, press the Control key on your keyboard. Pressing the Control key again will resume NVDA.
- Most NVDA commands require you to use the Insert key on your keyboard. To hear the title of the current window, press Insert, T. To hear the contents of the current window, press Insert, B.
- To quit NVDA, press Insert, Q.
- To start NVDA using the keyboard, press Control, Alt,



**Principal**  
**LOYOLA COLLEGE**  
**CHENNAI-600034**

NVDA Basics:

Topic	Task	Command
On/Off:	Turn NVDA on	Control + Alt + N
	Turn NVDA off	Insert + Q
Reading:	Stop Reading	Control
	Start reading continuously from this point on	Insert + ■ or Numpad +
	Read next item	■
	Read next <i>focusable</i> item (e.g. link, button)	Tab
Activate:	Link	Enter
	Button	Enter or Spacebar
Headings:	Go to next heading	H
	Go to next heading of level [1-6]	1 - 6
	List all headings	Insert + F7
Landmarks:	Go to next landmark/region	D
Elements list:	Show list of all links, headings, form fields, buttons, and landmarks	Insert + F7
Tables:	Go to next table	T
	Navigate table cells	Ctrl + Alt + ■ or ■ or or
Lists:	Go to next list	L
	Go to next list item	I
Graphics:	Go to next graphic	G
Links:	List all links	Insert + F7
	Go to next link	K
	Go to next <i>unvisited</i> link	U
	Go to next <i>visited</i> link	V
Navigate:	Toggle between: Radio buttons, <select>list items, Tabs (ARIA widget), Tree view items (ARIA widget), Menu items (ARIA widget)	or ■ or or ■