7.1.7 DETAILS OF THE SOFTWARE FOR PROVIDING ASSISTANCE FOR SPECIALLY-ABLED PERSONS

The institute provides the following free software:

1) Braille Blaster

2) Non Visual Desktop Access (NVDA)

3) Live Transcribe

4) Sound Amplifier

1. Braille Blaster: BrailleBlaster relies on Liblouis, a well-known open-source braille translator, for translating text and mathematics to Braille.

Braille Blaster takes advantage of the rich markup contained in NIMAS (National Instructional Materials Accessibility Standard) files to automate basic formatting and gives you tools to make advanced tasks quicker and easier. Designed primarily for editing textbooks that meet the specifications published by the Braille Authority of North America, the purpose of Braille Blaster is to help braille producers ensure that every student has their braille textbooks on the first day of class.

The development of Braille Blaster and modifications to Liblouis are part of the REAL Plan (Resources with Enhanced Accessibility for Learning). The REAL Plan is an ongoing initiative of the American Printing House for the Blind to improve the conversion and delivery of braille and other accessible formats to students who are blind.

2. Non Visual Desktop Access (NVDA) is a free, open-source, globally accessible screen reader for the blind and vision impaired. This software is designed by the blind for the blind.

This software provides access to technology no matter the language, location or financial situation believing that every blind or vision impaired person deserves the right to freely and easily access a computer.

3. Live Transcribe is an accessibility app designed for the deaf and hard of hearing and usable by anyone.

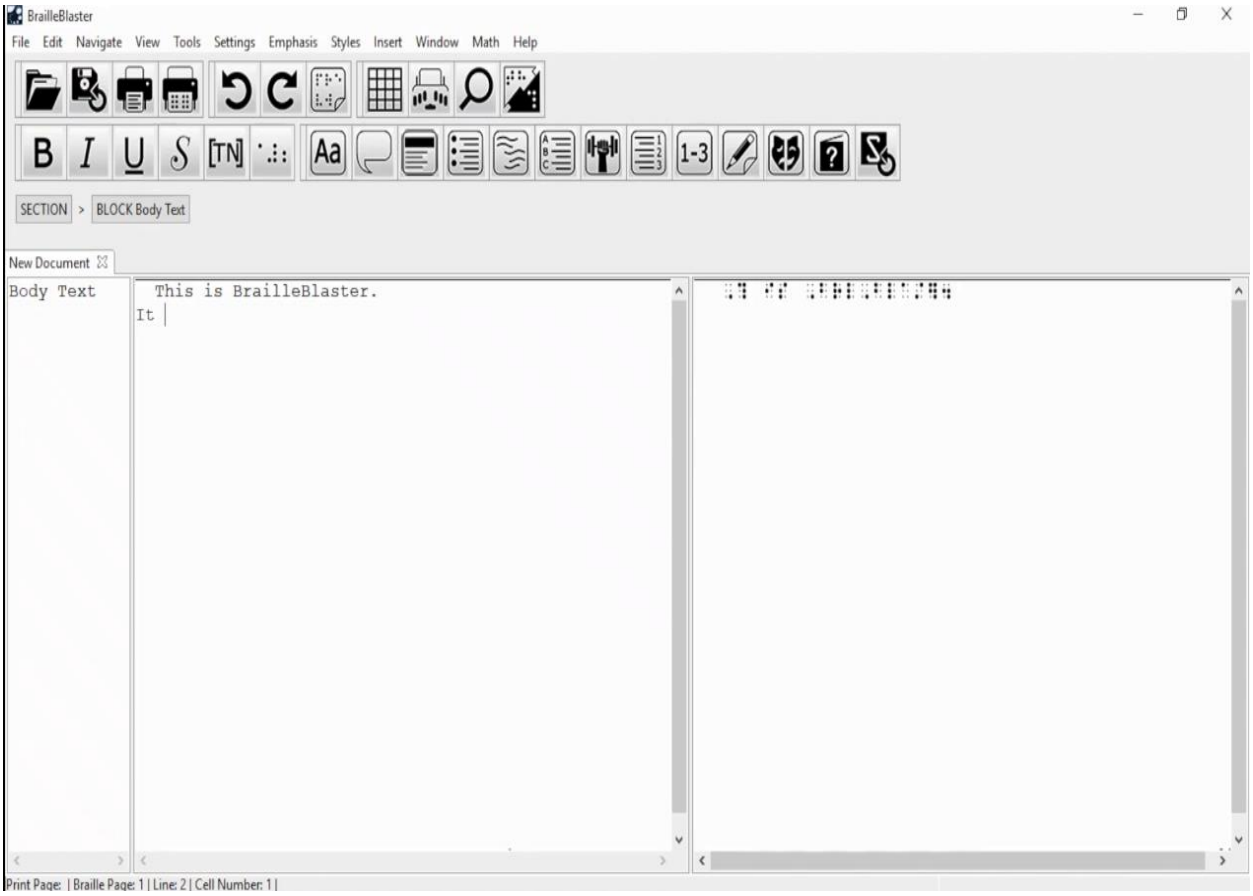
Using Google's state-of-the-art automatic speech recognition technology, Live Transcribe performs real-time transcription of speech and sound to text on the screen, so that deaf person can participate more easily in conversations going in the world around him.

4. Sound Amplifier is an app on Android device with wired headphones to filter, augment, and amplify the sounds in our environment.

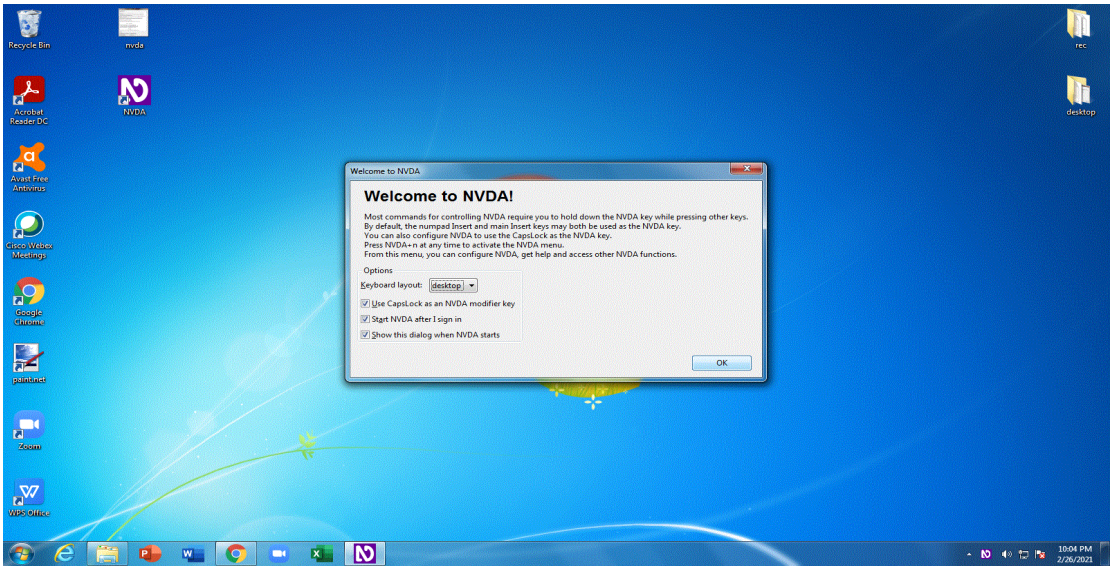
This app helps to hear better in noisy areas. There are many people with varying degrees of hearing loss but this app tackles the problem, makes it easier to hear.

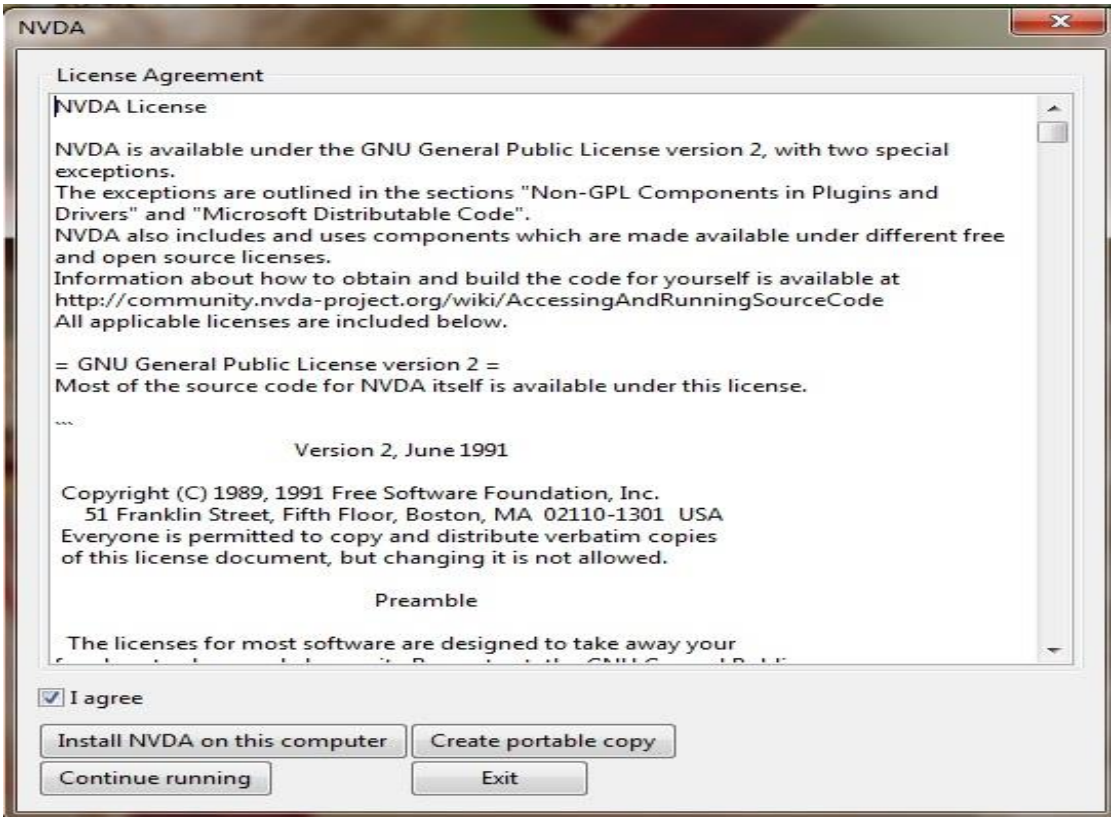
The app uses phone or headphone's microphone to sift through ambient sounds and enhance frequencies related to speech while reducing unnecessary noise.

Braille Blaster

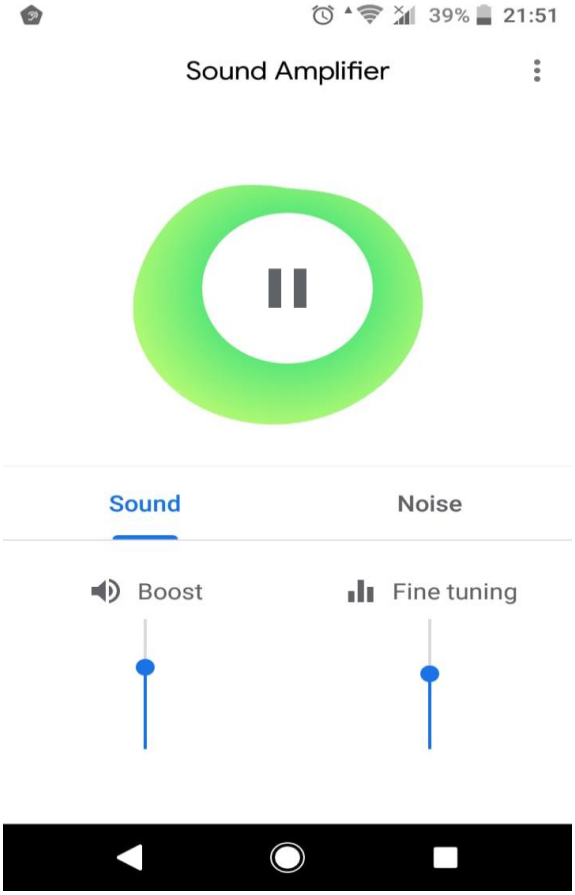


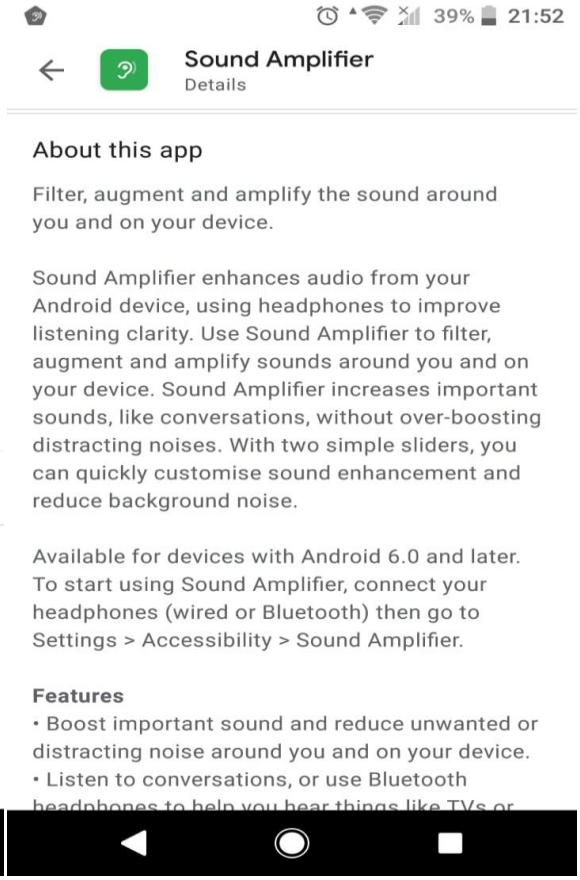
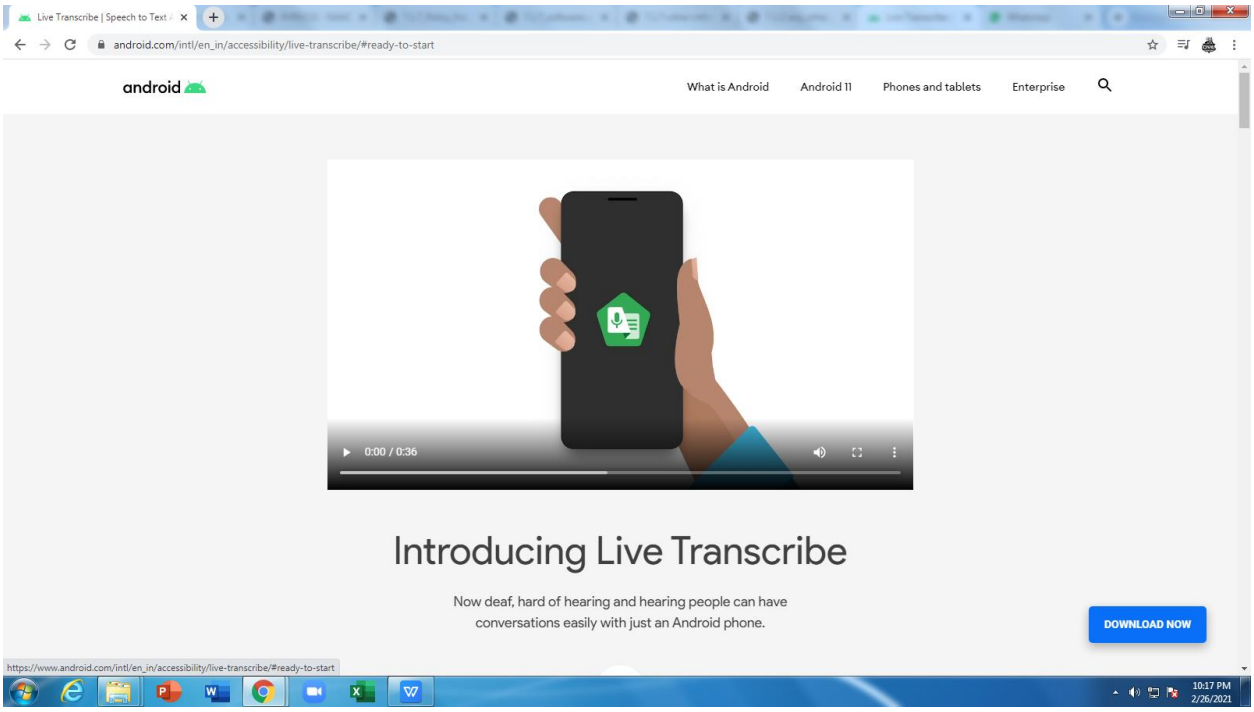
Non Visual Desktop Access (NVDA)





Sound Amplifier





Live Transcribe