

# SREE VAAGESWARI EDUCATIONAL SOCIETY VAAGESWARI COLLEGE OF ENGINEERING

(Affiliated to JNTUH. Hyderabad.)

(Approved by AICTE New Delhi & Recognised by the Govt. of Telangana State)

## DETAILS OF THE SOFTWARE FOR PROVIDING ASSISTANCE FOR SPECIALLY-DISABLED PERSONS

The institute provides the following free software:

- 1) Braille Blaster
- 2) Sound amplifier

**1. Braille Blaster:** Braille Blaster relies on Leblouis, a well-known open-source Braille translator, to translate text and mathematics into Braille. Braille Blaster takes advantage of the rich markup contained in NIMAS (National Instructional Material Accessibility Standard) files to automate basic formatting and give you the tools to perform advanced tasks faster and easier.

Primarily designed for editing textbooks that meet specifications published by the Braille Authority of North America, Braille Blaster aims to help Braille producers ensure that each student has their own Braille textbooks on the first day of class. The development of the Braille blaster and modifications to Leblouis are part of the actual plan (resources with enhanced access to learning). Actual Plan for the Blind is an ongoing initiative by the American Printing House to improve the conversion and distribution of Braille and other accessible formats for students with visual impairment

**2. Sound Amplifier** is an app on Android devices with wired headphones to filter, amplify and amplify the sounds in our environment. This app helps in hearing better in noisy areas. There are many people with varying degrees of deafness but this app tackles the problem, making it easier to hear. The app uses the phone's or headphone's microphone to sift through ambient sounds and amplify speech-related frequencies while reducing unnecessary noise.



*Principal*

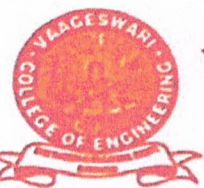
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## Braille Blaster

The screenshot shows the BrailleBlaster application window. The menu bar includes File, Edit, Navigate, View, Tools, Settings, Emphasis, Styles, Insert, Window, and Help. The toolbar contains various icons for file operations, editing, and formatting. The document is titled 'demo3.bbx' and contains the following text:

CHAPTER I

"Well, Prince, so Genoa and Lucca are now just family estates of the Buonapartes. But I warn you, if you don't tell me that this means war, if you still try to defend the infamies and horrors perpetrated by that Antichrist—I really believe he is Antichrist—I will have nothing more to do with you and you are no longer my friend, no longer my 'faithful slave,' as you call yourself! But how do you do? I see I have frightened you—sit down and tell me all the news."

Questions to Consider:  
Who is Anna speaking about?  
Why does think he is the Antichrist?

It was in July, 1805, and the speaker was the well-known Anna Pávlovna Schérer, maid of honor and favorite of the Empress Márya Fëdorovna. With these words she greeted Prince Vasili Kurágin, a man of high rank and importance, who was the first to arrive at her reception. Anna Pávlovna had had a cough for some days. She was, as she said, suffering from la grippe; grippe being then a new word in St. Petersburg, used only by the elite.

All her invitations without exception, written in

The right side of the window shows the Braille translation of the text. The status bar at the bottom indicates: Braille Page: 2 | Line: 5 | Cell Number: 19 | Style: Body Text | Words: 3662. The layout is set to Glossary/Glossary 6 Levels.



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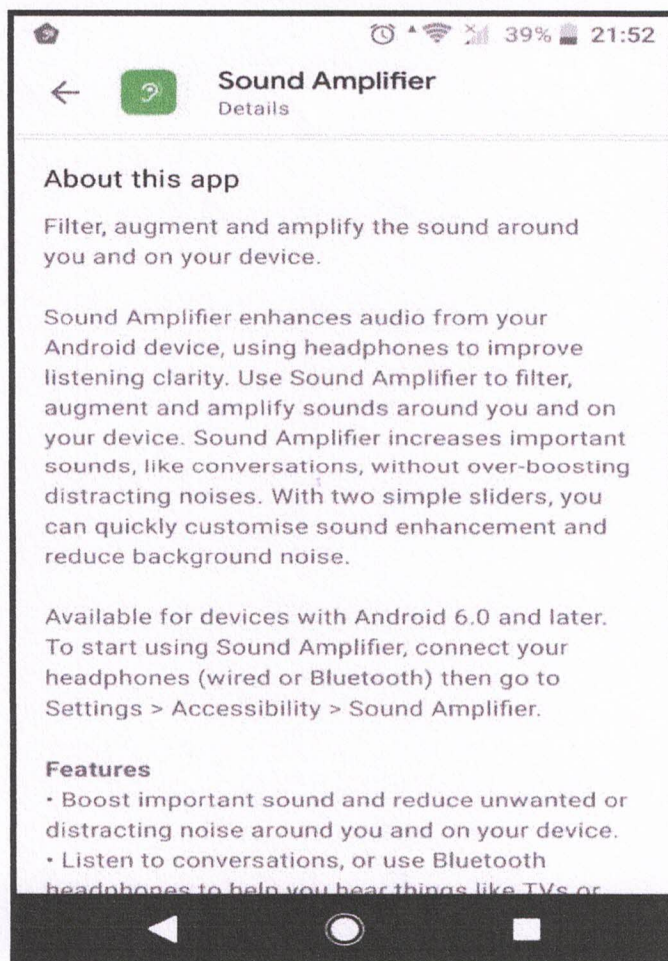
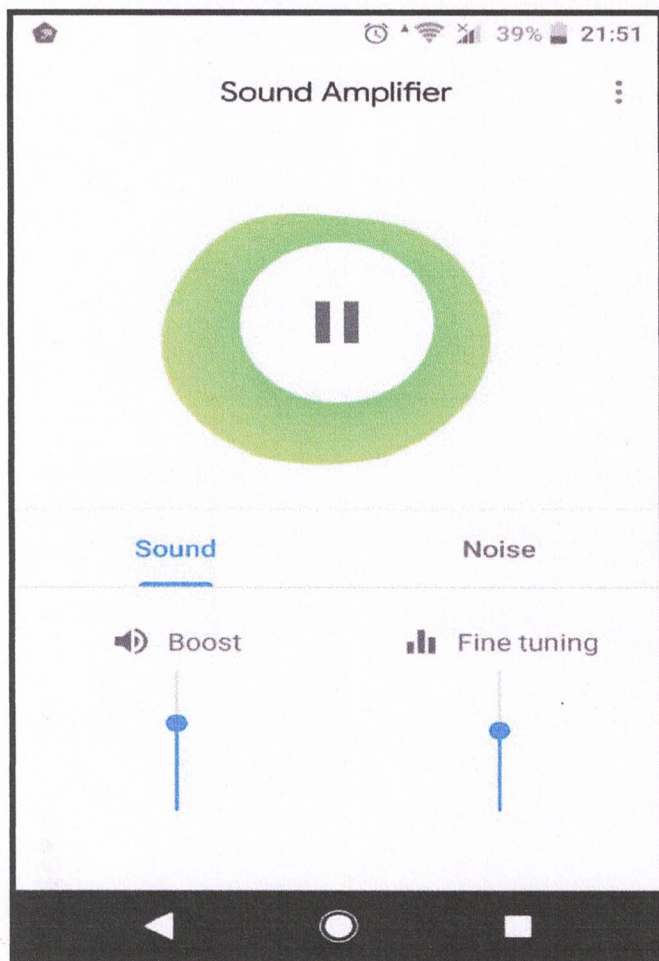


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## Sound Amplifier:



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