

## Electronic and Computer-Assisted Refreshable Braille Display Developed for Visually Impaired Individuals

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**Abstract :** Braille alphabet is an important tool that enables visually impaired individuals to have a comfortable life like those who have normal vision. For this reason, new applications related to the Braille alphabet are being developed. In this study, a new Refreshable Braille Display was developed to help visually impaired individuals learn the Braille alphabet easier. By means of this system, any text downloaded on a computer can be read by the visually impaired individual at that moment by feeling it by his/her hands. Through this electronic device, it was aimed to make learning the Braille alphabet easier for visually impaired individuals with whom the necessary tests were conducted.

**Keywords :** visually impaired individual, Braille, Braille display, refreshable Braille display, USB

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