⠿Braille Printer

USING INTEL 8086 MICROPROCESSOR

DHILEEPAN T
MSc SOFTWARE SYSTEMS [IV SEMESTER]
COIMBATORE INSTITUTE OF TECHNOLOGY

ABSTRACT

Braille writing system used by people who are visually impaired. It is traditionally written with embossed paper. Braille users can read computer screens and other electronic supports with help of refreshable braille displays. Braille character set includes alphanumeric characters, specific special symbols. a refreshable braille display module as a simulated virtual device.

AIM & OBJECTIVE:

- To translate the English alphabets to braille characters.

- The translation will be done to the user input through keyboard or through file containing the text.

- The refreshable display will be able to display 5 braille characters at a time and refresh cycle time can be set by the user.

The virtual device – Printer of emu8086 emulator will be used to simulate the emboss printer while the display will be used to simulate the refreshable braille display. The width of the print paper must be set before printing so the number of braille characters per line can be determined. The refreshable display will be having length and refresh cycle time set by the user, and the contents will be refreshed with new content from file.

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