



# E BRAILLE AL-QURAN

## DESCRIPTION

Electronic Braille Al-Quran is an aid to teaching and learning Al-Quran for the visually impaired. This project circulates an Al-Quran database in digital Braille codes easily downloadable into eBraille Panel. The eBraille Panel functions as a monitor for the visually impaired. A line of Braille cell will represent the line on Braille Al-Quran. The visually impaired user will read the Braille display using their sense of touch.

### *Needs*

- a) Portable.
- b) Multi-Purpose System.
- c) User Friendly.
- d) Novel Braille T & L .
- e) Modern ICT Usage.

### *Application*

- a) Simple and precise menu selections - ease the process of finding the verse.
- b) Adjustable audio and audio jack accommodates for beginner learners.
- c) Interchange of displaying Braille dots can be done automatically or manually.
- d) The user has complete control over the speed of the interchange.
- e) Users can bookmark the verse or ayah where they stop at.
- f) Rechargeable battery for usage of more than 2 hours (when fully charged).



### *Benefits*

- a) World's first eBraille Al-Quran which effectively stores a complete Al-Quran.
- b) A lightweight, portable and user friendly eBraille Al-Quran system.

### *Targeted Market*

- a) Blind society especially Muslim blind society for Quran and Iqra' (National and Worldwide).
- b) NGO for Blind.
- c) Government Organisation (Schools).
- d) Public library.

**PROJECT LEADER** : Assoc. Prof. Ir. Dr. Zarhamdy Bin Md. Zain  
**EMAIL** : zarhamdy@utm.my

