ECE 362 Mini-Project – Spring 2013

Morse Code Translator

**The MCT (Morse Code Translator) implements the morse code translation process by converting text to morse code and vice versa.**

Operation mode:

* Mode 1 (English Text to Morse Code):
  1. Press pushbutton Mode 1 to select the “English to Morse” mode.
  2. Use pushbuttons (Left and Right) to select an English letter from the LCD screen
  3. Press pushbutton Mode 1 again to confirm your letter choice.
  4. If you want to delete the letter, use pushbuttons (Left and Right) to scroll to the end on the LCD screen and select BS (Backspace).
  5. Once you confirm your choice, simply scroll to the very end on the LCD screen to select EN (Enter) to start the translation.
  6. Morse code will be displayed on the LCD screen as well as played by the speaker.
* Mode 2 (Morse Code to English Text):
  1. Press pushbutton Mode 2 to select the “Morse to English” mode.
  2. Click pushbutton Mode 2 or press and hold Mode 2 to toggle between dot and dash.
  3. Keep pressing pushbutton Mode 2 to find a desire combination of dots and dashes.
  4. Corresponding English letter will be display on the LCD screen.

Team Members:

* Jiyuan Zhao (Interface Leader)
* Zihao Lu (TDP Leader)
* Jinglun Huang (Peripheral Leader)
* Daniel Li (Software Leader)
* Converts Morse Code and English letters in both directions
* Use audio and visual aids to illustrate translated text
* Rigid and relatively small form-factor for durability and portability
* Integrated backlit LCD for easy visibility in dark and low light conditions





