

## Assignment 7: FreeRTOS

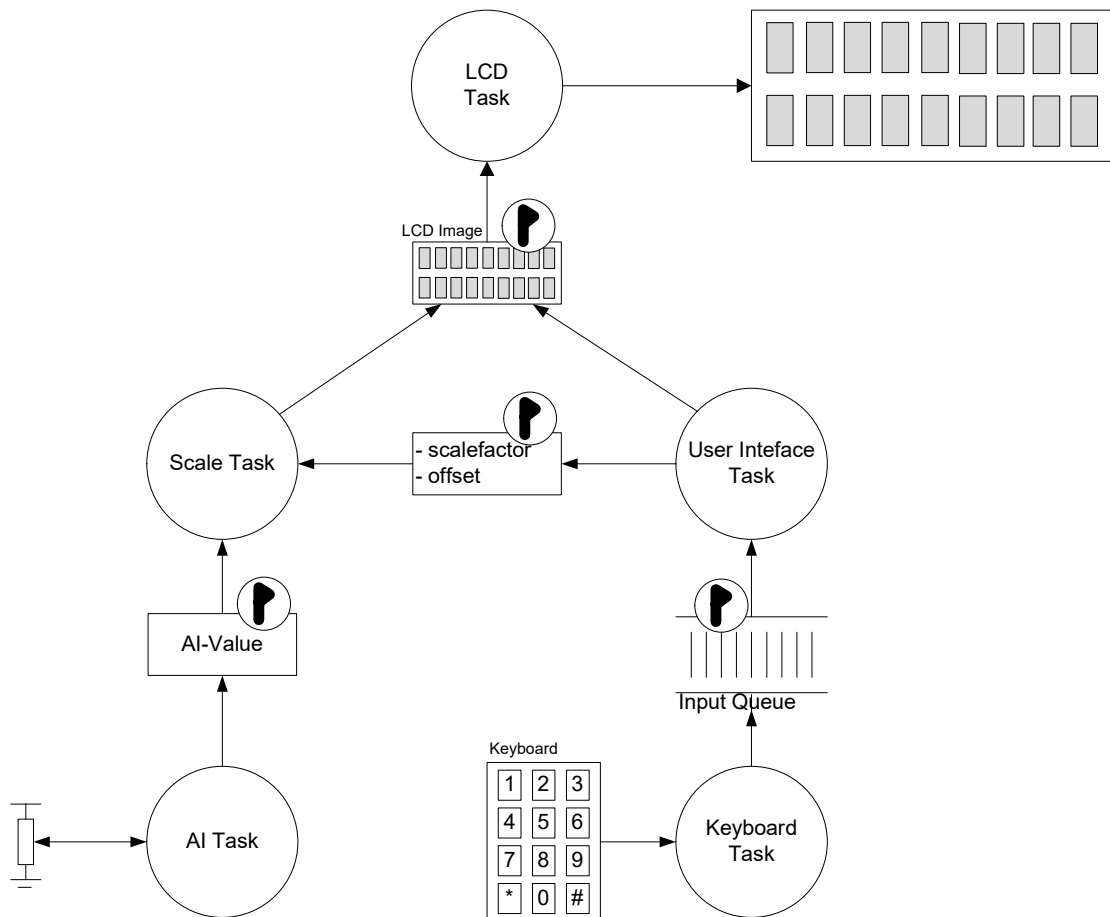


Figure 1.

Build a program, running under FreeRTOS, which implement the task model, shown in figure 1. The program displays the measured analogue input value, modified by a scale factor and an offset. The scale factor and the offset must be adjusted by input from the matrix keyboard through an intuitive user dialog at the LCD display. The interface to the LCD display must be implemented as an “image buffer”.