# Delegation Document – Squad ASI – GUI Task

- ➢ Khalid Ashraf:
    - o GUI design with scaled background image, icons and labels.
    - o Timer module with double digit display, start, stop, and reset buttons
    - o Added joystick connection using Pygame & threading for icon control with changing icon colors.
    - o Added modes part by activating desired mode when pressed.
    - o Adjusted scripts with creating 4 files for the code snippets and running them when the button is clicked
    - o Researched about Pygame and multithreading and GUI freezing.
    - o Added 2$^{nd}$ grayscale camera feed & inserted the camera displays into our GUI's code and adjusted their sizes.
    - o Participated in meetings/calls and helped squad & explained his code.
- ➢ Yousef Ibrahim:
    - o Added main scripts functionality with setting indexes for each code snippet in the menu to use it as an indicator of the needed code.
    - o Participated in squad meeting.
- ➢ Hossameldin Walaa:
    - o Camera feed
    - o Researched about threading, signals & slots and explained to Khalid for implementing this concept in the joystick module.
    - o Participated in meetings

***Comment:***

Especially Khalid put an outstanding effort into this squad project and was very helpful to the squad. He also organized the squad's code, cleaned it up, added comments documenting the different parts and added professional artistic touches to the design.