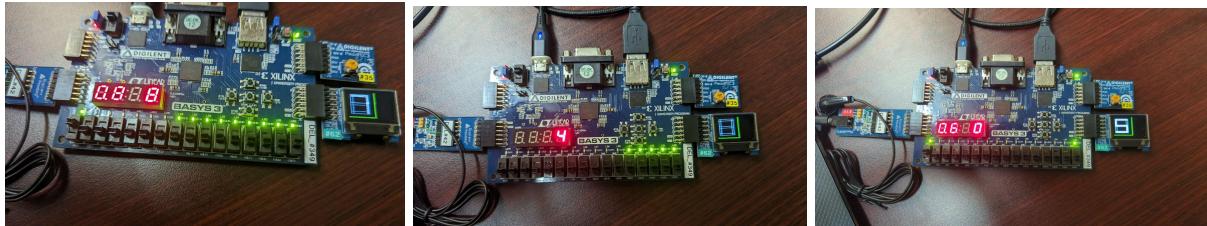
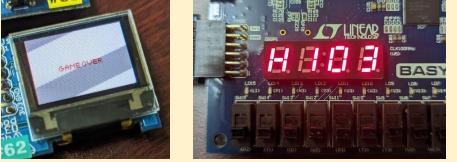
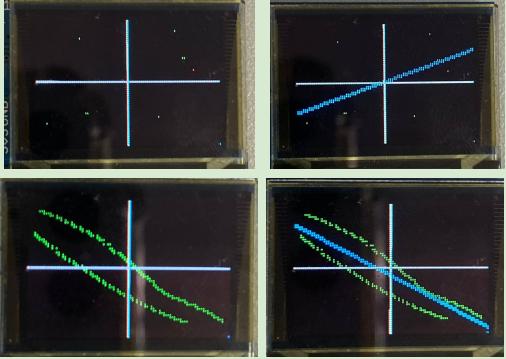
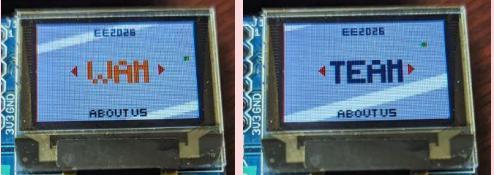


Student A: Senthilkumar Sriram
 Student B: Cleon Liew
 Student C: Ong Shao Yong
 Student D: Wang Tingjia

Group Task



Improvement Name	Description	Images / Photos
Student A: Senthilkumar Sriram Playback Amplifier	<p>Takes in the surrounding sound using the output, and plays it out using the audio input.</p> <p>SW[9] : Decreases volume on output real time</p> <p>SW[8] : Increases volume of output real time</p> <p>SW[8] & SW[9] : Mutes the audio playback</p>	
Student B: Cleon Liew Song Player	<p>Piano Sound: When SW[5] is turned on and btnC is pressed, the 1-second beep will turn into a pulse that changes its amplitude, similar to that of a Piano.</p> <p>Pitch Changer: Using btnL and btnR, the pitch of the piano-sounding beep will decrease and increase by 1 semitone respectively. The piano has a limited range of 22 semitones.</p> <p>Play Song: Using btnD, the notes of the song “fur elise” will play whenever it is pressed in the correct order.</p>	
Student C: Ong Shao Yong W-A-M! (Whack-a-mole with Mouse and OLED)	<p>Toggle SW[12]: Return to the game menu</p> <p>SW[13]: Difficulty set to Medium (1.25s / mole)</p> <p>SW[14]: Difficulty set to Hard (0.75s / mole)</p> <p>Else, default difficulty set to Easy (1.75s / mole)</p> <p>Game Menu: Left Click on “Play” button to start game</p> <p>Ingame: An[3:2] displays countdown timer (3 seconds countdown before game starts)</p>	<p>Menu Ingame (OLED) Ingame (Anode)</p>

	<p>An[1:0] displays current score Click with the cursor on mole to hit. Left Click to hit green moles, Right Click to hit red moles. +1 point for correct hit, -1 point for incorrect hit</p> <p>Game Over: An[3:2] displays "HI" (highscore) An[1:0] displays current highscore Click anywhere to return to menu</p>	 <p>Game Over (OLED and Anode)</p>
Student D: Wang Tingjia Linear Regression on OLED	<p>SW[10] on to start drawing SW[10] off to reset Left Click to draw points. Right Click to undraw points. SW[11] to calculate sum of squares & plot best fit line</p> <p>Note: Unable to plot vertical lines due to infinite gradient</p>	
Team: Team Menu	<p>btnL and btnR, or Left Click on left/right arrows: Scroll through applications</p> <p>Hold btnU: Return to Team Menu (from any screen)</p> <p>btnD, or Left Click on "About Us": Enter Image Filters application below</p>	
Team: Image Filters	<p>Photos of every member displayed.</p> <p>Filters</p> <p>SW[0]: Negative filter SW[1]: Brighten filter SW[2]: Dimmed filter SW[3]: Grayscale filter SW[4]: Blur filter</p> <p>btnL and btnR: Scroll through images of team members</p> <p>Audio Output: Different song plays for each team member (Mary had a little lamb, Happy birthday, Twinkle Twinkle, Green Sleeves.)</p>	