

# **IM3080 Design and Innovation Project (AY20xx/xx Semester x)**

## **Individual Report**

Name: Ang Kai Xun

Group No: Group 3

Project Title: Niمنتendo

### **Contributions to the Project (1 page)**

Hardware component:

Grid Development:

- Designed a plywood grid layout for the LED matrix.
- Strips of 1.5cm wood interlocking
- Used to diffuse the lighting produced by the LED matrix.

Design implementation:

- Designed the game design with the group members and assisted in construction of the project.

Structural Formation:

- Provided assistance in breaking down of materials needed for the project.
- Assisted in constructing the individual portions needed for the project.
- Assisted in construction of the structure.

### Reflection on Learning Outcome Attainment

Reflect on your experience during your project and the achievements you have relating to at least two of the points below:

- (a) Engineering knowledge
- (b) Problem Analysis
- (c) Investigation
- (d) Design/development of Solutions
- (e) Modern Tool Usage
- (f) The Engineer and Society
- (g) Environment and Sustainability
- (h) Ethics
- (i) Individual and Team Work
- (j) Communication
- (k) Project Management and Finance
- (l) Lifelong Learning

Point 1: Modern Tool Usage State the area\_\_\_\_\_

In this project, I have understood how to use basic engineering tools such as the bandsaw, the hand drill, the drill press, the belt sander, the dremel, as well as the soldering set.

Point 2: Design / Development of Solutions      State the area

\_On this building of the project, we have encountered several problems and managed to think can come out with a solution on the spot. One initial example is that our measurements initially is not measured right.

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