**Heriot-Watt University**

**School of Engineering and Physical Sciences**

**B49CB Business Awareness, Safety and Sustainability**

**Group Project**

**Minutes of Meeting 2 of Group Meeting – 19/10/2020**

**Present: Ross Brown, Callum Jardine, Andrew Leahy, Cameron Maxwell, Chi Tse, Seun Ojuoko**

**Apologies:**

**Not Present:**

Minutes taken by: Callum Jardine

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| **No.** | **ITEM** | **ACTION** |
| **1.** | Seun  – explaining solar concentrator to increase the amount of energy we can create using solar panels in our design. |  |
| **2.** | Ross  -discussed how solar would not give enough power and emphasised that a wind turbine would provide closer to the power we need in our design. A small turbine ranges form 400W to 20kw but our solution needs around 24kw. A solution was to get rid of the sheet press which uses a extensive amount of the total power at 15kw. |  |
| **3.** | Tse  -Highlighted the energy variation in the communities 50% of which is fossil fuels and only a small amount solar or wind. Also discussed the use of a blow-up plastic tube solar collector to increase the energy produced. The wind speed has a constant 19-20mph base with the wind speed increasing substantially in storms. |  |
| **4.** | Andrew   1. produce water collecting tanks 2. only 20% in Piedritas have fridges so could create a refrigerator using plastic foam 3. create plastic bins 4. propellor for boats 5. plastic face shields 6. rulers and protractors |  |
| **5.** | Cameron   1. also, plastic face shields 2. open brick mold 3. plastic surfboard wax |  |
| **6.** | Callum  -discussed the initial draft of the introduction he has created and the need for a company name, product name and to decide what type of company we are. The team decided we are a non profit charity and we would all brainstorm product and company names for the next session. |  |
| **7.** | Delegated tasks for the next session. |  |
| **8.** | **Date of Next Meeting: 12/10/2020**  **Time:13:00**  **Place: Microsoft Teams**  **Chair:Cameron Maxwell**  **Minute Taker:Ross Brown** |  |