Week 6: Fourth Year Lab Project Meeting Minutes

Date: 26 August 2019

Time: 11h00

Venue: Genmin laboratory

Chair: Thapelo Makhalanyane (875691)

Scribe: Teboho Lekeno (1130992)

**Attendees**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Position | Name | Late | On-time | Missing |
| Supervisors | Pro. Hofsajer |  | X |  |
| Pro. Willie Cronje |  | X |  |
| Mr. James Braid |  | X |  |
| Ms. Yu-Chieh (Jessie) Yen |  | X |  |
| Technical  stuff | Mr. Diale | X |  |  |
| Mr. Frank | X |  |  |
| Students | 19G30 |  | X |  |
| 19G07 |  | X |  |
| 19G02 |  | X |  |
| 19G26 |  | X |  |
| 19G32 |  | X |  |
| 19G33 |  | X |  |

**Apologies**

Mongezi Chita apologize for the absence of his group partner, Daniel Tarlton.

**Agenda**

* Groups will give their weekly progress from the previous week and their plan for the current week.
* Discussion of the open-day.
* Discussion on the posters and locations for groups.
* Discussion on the presentation, interview and report.

**Discussion of Project Progress**

**Group 19G07 (Automated Characterization of heat replacement element pattern of a horizontal geyser)**

Members: Tyron Reddy and Yasteer Sewpersad

Last week large errors were encountered on the model. Data for different seasons was collected to account for temperature. The group settled for the best model. This will the focus of the group will be on the poster and building of the enclosure for the system.

**Group 19G26 (PV Panel Cooling Using Peltier Cells)**

Members: Thato Serai and Kgakololo Mosiane

The previous week more test were taken. The group tried to increase the power due to operating far from maximum point (high voltage with small current). This week the group will continue with data analysis and they have already started with the poster design.

**Group 19G30 (Off-Grid Electrification Solution)**

Members: Teboho Lekeno and Thapelo Makhalanyane

The integration of the sub-system was successful last week. The final product is complete. This week will be dedicated to the poster and data presentation.

**Conclusion**

Groups were informed that EMS lab will be running in parallel with the open day. Jessie mentioned that there should be running of machines or dangerous test for safety during open-day. Mr. Diale announced that SABC will be part of the open-day and confident groups can participate in their interviews. He also added that groups should certain regarding the position their posters and that Wednesday is the last working day on the projects. It was brought to attention that the absence of the student on the station during the presence of the external examiner will result into failure (SP requirement). Dr. Hunt was mentioned to be responsible for schedule of the presentation, conference and interviews. It was confirmed that students are allowed to use the lab after the open-day.