

Mechanical Engineering Design



“Senior Capstone Design”

Department of Mechanical Engineering
Northern Arizona University
Flagstaff, AZ 86011

Dr. David Trevas

“Meeting Minutes”

Renewable Energy Toolkit

Team A5

Mohammed Jarkhi
Hamad Alsharhan
Fahad Alsuwailem
Talal Alenezi
Mohammad Alsharidah

First Meeting:

Who: Clients (Dr.Acker & Mark Glauth)

Date: Friday 09/08/2017

Time: 9 am to 10:30 am

Where: Engineering building room 244

Discussion:

We have meet with Dr.Acker, and Mark they're our clients for the project which we will be designing through the year they have provide us a clear picture of the project and what we will be doing.

Second Meeting:

Who: Dr.Trevas

Date: Monday 09/11/2017

Time: 7:30 pm to 8 pm

Where: du Bois building room 011

Discussion:

During the meeting with Dr.Travis we talked about how to create a website and how to make it professional and do some background research on the renewable energy 'The types, coast, how much power does each source could produce, and where and how to use them' and what happened in first meeting with clients.

Third Meeting:

Who: Clients (Dr.Acker & Mark Glauth)

Date: Friday 09/15/2017

Time: 2 pm to 3:10 pm

Where: Engineering building room 244

Discussion:

- Each team member introduced the idea of the concept project that he came up with.
- Discussed the pros and cons with these ideas.
- Then we were asked to choose one of these ideas and try to develop it and try to make it more educational.

Fourth Meeting:

Who: Dr.Trevas

Date: Monday 09/18/2017

Time: 7:00 pm to 7:30 pm

Where: du Bois building room 011

Discussion:

- Discussing about the quiz of chapter 6
- According to the second meeting we shared the information that we were asked to look for.
- Sharing the idea that we agreed to have as our project in order to see whether it fits the requirements or not.

Fifth Meeting:

Who: Clients (Dr.Acker & Mark Glauth)

Date: Thursday 09/21/2017

Time: 2 pm to 3:00 pm

Where: Engineering building room 246

Discussion: Share Information with clients what happened in last meeting with Dr.Trevas and what did he ask us to do.

Sixth Meeting:

Who: Dr.Trevas

Date: Monday 09/25/2017

Time: 7:30 pm to 8:00pm

Where: du Bois building room 011

Discussion: We were to be asked clients to do water turbine and biomass additionally with solar panel and wind turbine.

Seventh Meeting:

Who: Client (Mark Glauth)

Date: Thursday 09/28/2017

Time: 2 pm to 3:00 pm

Where: Phone Call

Discussion: He asked us what happened in last meeting with Dr.Trevas and how was the project going so far.

Eighth Meeting:

Who: Dr.Trevas

Date: Monday 10/02/2017

Time: 5:30 pm to 8:00pm

Where: du Bois building room 011

Discussion: Preliminary Presentation.

Ninth Meeting:

Who: Clients (Dr.Acker & Mark Glauth) and Dr.Trevas

Date: Thursday 10/05/2017

Time: 2 pm to 3:00 pm

Where: Engineering building room 246

Discussion: They asked us what happened in presentation and how was its going on. Also, what is the new developed ideas they want to share it with us. In addition, they gave us papers with five scenario and each team member choose one and write about it.

Tenth Meeting:

Who: Dr.Trevas

Date: Monday 10/09/2017

Time: 5:30 pm to 6:00 pm

Where: du Bois building room 011

Discussion: Dr.Trevas ask about scenario was gave it to us from clients and he told us to work on analytical individual assignment with all team member choose 1 scenario and write about it with 5 content which is include it in paper.

Eleventh Meeting:

Who: Clients (Dr.Acker & Mark Glauth)

Date: Thursday 10/12/2017

Time: 2 pm to 3:00 pm

Where: Engineering building room 246

Discussion: Meeting Cancel according to Dr.Acker was sick.

Twelfth Meeting:

Who: Dr.Trevas

Date: Monday 10/16/2017

Time: 6:00 pm to 6:30pm

Where: du Bois building room 011

Discussion: Dr.Traves ask us for each team member to print 3D project such as biomass , water turbine and wind turbine. Also, he asked to bring solar panel and check for loads.

Thirteenth Meeting:

Who: Clients (Dr.Acker & Mark Glauth)

Date: Thursday 10/19/2017

Time: 2:30 pm to 3:00 pm

Where: Engineering building room 246

Discussion: Meeting Cancel according to Dr.Acker was out of town.

Fourteenth Meeting:

Who: Dr.Trevas

Date: Monday 10/23/2017

Time: 6:30 pm to 7:00pm

Where: du Bois building room 011

Discussion: He ask us to work in advance for solidworks for water turbine. Also, he ask us to print wind turbine as 3D. In addition, he mention to upload meeting minutes in website before next meeting.

Fifteenth Meeting:

Who: Clients (Dr.Acker & Mark Glauth)

Date: Thursday 10/26/2017

Time: 2:00 pm to 3:00 pm

Where: Engineering building room 246

Discussion:

Today we have met with our clients for an hour. We did talk about the assignment he asked us to do last meeting. We showed him the work the we have done. He asked us to know the load before start doing the assignment and gave us a book that has some information how to know the load.

Sixteenth Meeting:

Who: Dr. Trevas

Date: Monday 10/30/2017

Time: 7:00 pm to 7:30pm

Where: du Bois building room 011

Discussion: Discuss with each one of where did they reach and what is going on with research thing. Take advice from Dr. Sharber from EE department.

Hamad Alsharhan: Figure out solar panel and tracker.

Mohammed Jarkhi: Inductive and resistance load.

Fahad Alsuwailem: Consider water wheel.

Mohammad Alsharidah: Show supply water pressure.

Talal Alnezi: Excuse.

Seventeenth Meeting:

Who: Clients (Dr.Acker & Mark Glauth)

Date: Thursday 11/02/2017

Time: 2:00 pm to 2:30 pm

Where: Engineering building room 244

Discussion:

He told us to check individual analysis assignment and see how much load will be there and gave us paper with all loads to compare it with our project.

Eighteenth Meeting:

Who: Dr.Trevas

Date: Monday 11/06/2017

Time: 5:30 pm to 8:00pm

Where: du Bois building room 011

Discussion: Final Presentation.

Nineteenth Meeting:

Who: Clients (Dr.Acker & Mark Glauth)

Date: Thursday 11/09/2017

Time: 2:00 pm to 2:30 pm

Where: Engineering building room 244

Discussion:

The meeting was cancelled according to Dr.Acker.

Twentieth Meeting:

Who: Dr. Trevas

Date: Monday 11/13/2017

Time: 7:30 pm to 8:00pm

Where: du Bois building room 011

Discussion: He told us to re do the analytical analysis assignment I and make it in analytical analysis assignment II and work in advanced in the second one.