

CLIENT MEETING MINUTES

Topic: ME 476C Third Client Meeting

Date: Wednesday, February 21, 2018

Time: 9:30 am – 10:00 am

Location: Engineering Building In Front of Dr. Ciocanel's Office

Minutes recorded by Michael Garelick

Meeting called by Cole Neilson

Attendees: All Group Members

Table 1. Record of meeting.

9:30 am to 9:40 am	Explain Calculations to Client <ul style="list-style-type: none">• Keith and Michael explained the MatLab calculations to the client.• Keith prepared a print-out of two relationships from the calculations. The client was interested in the Friction Factor vs Flow Rate diagram.• Mark presented the perfect Flow Meter he found through his research. The cost of the flow meter would be around \$1400 to \$2400.• Cole explained that the materials most likely to be used will be PVC and copper.	In Front of Dr. Ciocanel's Office
9:40 am to 9:50 am	Client's Reaction to Calculations <ul style="list-style-type: none">• The client wanted Friction Factor vs Reynolds number relationships shown through calculations. Keith changed the MatLab code to display the desired result.<ul style="list-style-type: none">○ The plotted range was not within the desired specs of 10^4 to 10^6.• The client explained that any measuring devices needed to be purchased would be from lab equipment funds separate from the team's budget.• The client recommended that the team should finish the calculations with both PVC and copper and use the material with the best results.	In Front of Dr. Ciocanel's Office
9:50 am to end	Plan for Next Client Meeting <ul style="list-style-type: none">• The client asked for the team to research 6 to 10 different pipe experiments from different colleges.<ul style="list-style-type: none">○ Each team member will research 2 different pipe experiments for a total of 8 backgrounds to present for the next Client Meeting on 2/28/18.	In Front of Dr. Ciocanel's Office

Table 2. Tasks Assigned.

Task	Person Assigned	Due Date	Date Complete
Client Meeting Numbers on Reynolds number and Flow Rate	Keith/Michael	2/21/18	2/21/18
Client Meeting Numbers on Diameter and Length	Keith/Michael	2/21/18	2/21/18
Client Meeting Numbers on Flow Meters	Mark	2/21/18	2/21/18
Client Meeting Numbers on Pipe Materials	Cole	2/21/18	2/21/18
Client Meeting Numbers on Pumps	Mark	2/21/18	2/21/18
Presentation 2: Project Description and Background	Michael	2/26/18	
Presentation 2: Black Box and Functional Models	Michael	2/26/18	
Presentation 2: Designs Considered	Mark	2/26/18	
Presentation 2: Moody Diagram and Calculations Explanation	Keith	2/26/18	
Presentation 2: Design Selected	Cole	2/26/18	
Presentation 2: Schedule and Gantt Chart	Michael	2/26/18	
Presentation 2: Budget	Mark	2/26/18	
Research 2 Other Pipe Flow Experiments	Each team member	2/28/18	

Next formal meeting: 2/22/18, room 120,Engineering Building, at 10:15 am.

Next members responsible for agenda: Michael Garelick .

and meeting minutes: Michael Garelick .