

Meeting Minutes

Course: Honours Engineering Research Project (Leaky Tank Mystery)

Minutes Documented By: Michael Stefani

Meeting No: 8

Date of Meeting: 15/08/2024

Location: Remote/Online

Time: 12:00 pm

1. Attendees

<i>Present</i>	<i>Apologies</i>	<i>Absent</i>
Eric Tsoukatos (ET)	Prof Derek Abbott	
Michael Stefani (MS)		

2. Previous meetings corrections

- MATLAB will be used instead of ANSYS simulation

3. Meeting Notes, Questions, Decisions, Issues

• ANSYS Simulation

- MS and ET have been using COMSOL software to model and simulate the problem
- Simulations of water tanks with differing sizes are to occur

• MATLAB Simulation

- MS has begun calculations on MATLAB to determine the ideal tank size
- Results obtained from this method can be used to compare to other methods

• Physical Tank

- Size of tank to be finalised and engineering drawings to be provided to the workshop team
- Complete purchasing forms for any materials requiring external purchase

• Wikipedia Page

- Add progress to wiki page provided by Prof Abbott

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4. Action Items

<i>Action</i>	<i>Assigned to</i>	<i>Due Date</i>	<i>Status</i>
Complete COMSOL simulations for models of differing size to optimise the ideal size of the equipment to be used	All	12/08/2024	In Progress
Begin using MATLAB and simulate the experiment to illustrate the expected results	All	19/08/2024	New
Continue gathering any components or necessary apparatus required to simulate the experiment.	All	19/08/2024	In Progress
Provide technical resource team with a detailed plan of what is required to be built, this includes a list of materials, dimensions and and required components.	All	19/08/2024	In Progress
Add progress to Wiki page, starting from week 1 to present	All	20/08/2024	In Progress
Add regular updates to the weekly diary on Wiki page	All	20/08/2024	In Progress
Complete external purchases and filling in of relevant purchase forms.	ET	27/08/2024	In Progress