

# **Project Team 10 – Meeting Minutes**

**Date:** Wednesday, 4th December 2025

**Time:** 1:00 PM

**Location:** Virtual (Microsoft Teams)

**Meeting Type:** Weekly Project Meeting

**Present:** Yeaw Chu Lee, Tianyang Zhao, Ethan Adegbeyeni, David Bello, Jenson McEwan

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## **Meeting Purpose**

Present research findings on viable platform options, discuss data migration strategies, and establish MVP requirements.

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## **Discussion Summary**

### **1. Research Findings Presentation**

- Team presented explanation of research conducted on platform viability.
- Discussed most viable options identified through investigation.

### **2. Client Feedback and Suggestions**

- Client provided feedback on proposed approaches.
- Suggestion made regarding potential plugin to facilitate data transfer from ParaView to Unity.

### **3. Understanding OpenFOAM Data**

- Discussion on understanding and working with OpenFOAM data structures.
- Team explored data format requirements and compatibility considerations.

### **4. Project Direction and MVP Definition**

- Decision made to proceed assuming no Unity implementation initially.
- **Client defined MVP expectations:**
  - Successfully extracting data from ParaView.
  - Streamlining data transfer to Unity.
  - Identifying which data can be effectively moved across platforms.
  - Client confirmed this would satisfy MVP requirements.

## 5. ParaView Showcase and Tutorial

- Additional demonstration and tutorial of ParaView functionality provided.
  - Explanation of ParaView's architecture and capabilities.
  - Noted that filters in ParaView are written in Python, opening opportunities for custom development.
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## New Items

- Focus on extracting data from ParaView for Unity integration.
  - Investigate plugin options for data migration between platforms.
  - Explore Python-based filter development in ParaView.
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## Items for Next Meeting

1. Attend ParaView tutorial session with Tianyang.
  2. Present MVP development containing:
    - Generated waves
    - Turbine implementation
    - Functional pipeline to transfer data from ParaView to Unity
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## Next Meeting

**Tutorial Session with Tianyang:** Saturday, 14th December 2025

**Location:** Virtual (Microsoft Teams)