

# Tester Consent Form

## Learning Resources for Understanding and Using the Finite Element Method

### **Background Information**

My name is Kyle Morris, and I am a third year Computer Science with Mathematics student at the University of Leeds. This is my final year, and my project involves creating a series of learning resources which would be used to teach the mathematical theory and practical implementation of the Finite Element Method. The Finite Element Method (FEM) is a technique used to numerically solve partial differential equations. The learning resources will primarily take the form of Jupyter Notebooks and the code will all be written in Python, specifically using an open-source scientific computing platform called FEniCSx.

### **Your role**

Development will take place over the course of roughly 4 weeks. Over that time, I will routinely create the notebooks and it will be your role to test them. I will provide testing rubrics in the form of questionnaires, and for each notebook, you will be tasked with reading through it and attempting any ‘check’ exercises. Then you should fill out the questionnaire to provide me with immediate feedback on how I can improve the product.

### **Data**

By giving your consent to participate as a tester in my project, you consent to the collection, storage, and processing of your data. Data will be collected via Google Forms which stores its responses in Google Drive. Google maintains that the information is protected in “world-class security”. Information regarding security and privacy can be found [here](#).

### **Conditions**

You are free to leave the project at any time for any reason whatsoever. Do not feel under pressure to complete this work, if you are struggling for any reason, feel free to speak to me privately and we can discuss options. Finally, thank you for choosing to participate in the project! It means a lot to me and will be an invaluable addition to the work. Your contributions will allow the project to reach a level of refinement that would not have otherwise been possible.

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### **Consent**

I consent to participating as a tester in the “Learning Resources for Understanding and Using the Finite Element Method” Project, which includes agreeing to the conditions stated above.

**Name: Anthony Moran**

**Date: 12/03/2023**