

STRUCTURAL HEALTH MONITORING EDUCATION UNIT- FEM4

Assessment: Foundational Education Module 4- Analysis and Interpretation of Sensor Data

This is an anonymous survey the results of which will be used to improve the quality of the educational materials and experience for FEM4: Analysis and Interpretation of Sensor Data . Your thoughtful and candid responses are requested and will be greatly appreciated.

1. Rate the extent to which you believe the following learning outcome was achieved:**To be able to explain (C) the various possible sources of errors in SHM and the means used to minimize such errors.**

- Very Poor
- Poor
- Fair
- Good
- Very Good

Suggestions for improvement.

2. Rate the extent to which you believe the following learning outcome was achieved**To be able to identify (K) factors/conditions that affect SHM sensor performance/data and explain (Ap) methods to minimize the effects of these factors/conditions.**

- Very Poor
- Poor
- Fair
- Good
- Very Good

Sughestions for improvement.

3. Rate the extent to which you believe the following learning outcome was achieved **To be able to interpret (Ap) and analyze (An) SHM sensor data for the purpose of identifying anomalies.**

- Very Poor
- Poor
- Fair
- Good
- Very Good

Suggestions for improvement

4. Rank the overall quality of FEM4- the online education module

- Very Poor
- Poor
- Fair
- Good
- Very good

Suggestions for improvement

5. How would you rate your level of interest in the content of FEM4?

- Very Poor
- Poor
- Fair
- Good
- Very Good

Suggestions for improving your level of interest.

6. Please provide your best estimate of the combined amount of time you devoted to reading FEM4, the online education module; taking the Mastery exam; and submitting your response to the discussion question.

- 30 minutes or less
- 30-60 minutes
- 60-90 minutes
- 90-120 minutes
- Greater than 120 minutes

7. Rate the helpfulness of the classroom discussion in improving your understanding of the content materials.

- Very Poor
- Poor
- Fair
- Good
- Very Good

Suggestions for improvement

8. Rate the helpfulness of the classroom discussion session in addressing your questions.

- Very Poor
- Poor
- Fair
- Good
- Very Good

Suggestions for improvement

9. Please list any difficulties you experienced in dealing with the online documents and resources.

Your responses are greatly appreciated and will be used to improve the quality of the content materials and the overall educational experience. We understand that you were not expecting to be asked to participate in this series of Structural Health Monitoring education modules. However, we have endeavored to make this a valuable albeit not overtaxing educational experience. Given the increasing importance of SHM, we believe your participation has the potential for enhancing your professional career should you chose to pursue structural engineering opportunities.