

Questionnaire to Assess AU Students' Awareness of Sustainability

Thank you for accepting to participate in this questionnaire* which is part of a research project entitled "Preparing Engineers for the Sustainable Future: Embedding the New Kuwait 2035 Vision into Engineering Curricula", funded by Kuwait Foundation for the Advancement of Sciences (KFAS).

This questionnaire is part of a survey that aims at assessing the level of awareness of AU students about topics related to "Sustainability". The results will be used to draw conclusions and recommendations to further enrich the concept of sustainability in Engineering Education in Kuwait.

Kindly note that the questionnaire is fully anonymous, and we thank you in advance for taking the time to read and answer all its questions.

Kindly note that participating in this research is considered as a consent to use your responses for research purpose only.

**This questionnaire has been adapted from Sanchez-Carracedo et al., (2021).*

* Indicates required question

Part I: Demographics

This section aims at collecting information related to demographics such as age, gender, nationality, and major.

1. DM1: What is your age? *

Mark only one oval.

- ☐ Below 20
- ☐ 20-29
- ☐ 30-39
- ☐ 40-49
- ☐ Above 50

2. DM2: What is your gender? *

Mark only one oval.

- ☐ Female
- ☐ Male

3. DM3: What is your nationality? *

Mark only one oval.

- ☐ Kuwaiti
- ☐ Non-Kuwaiti

4. DM4: What is your major? *

Mark only one oval.

- ☐ Electrical and Electronics Engineering
- ☐ Petroleum Engineering
- ☐ Civil Engineering
- ☐ Mechanical Engineering

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Part II: Assessing Knowledge of Sustainability

This section aims at assessing your level of knowledge about statements related to sustainability. Please do not conduct any research about any of the below questions as it may affect your responses. Kindly respond as per your knowledge at the moment you are taking the survey.

For the following questions, if you do not understand the question or any keyword in the question, please select the option "I don't understand the question".

5. Q1: I know concepts of sustainability and sustainable development. *

Mark only one oval.

- ☐ Nothing
- ☐ Little
- ☐ Quite a bit
- ☐ A lot
- ☐ I don't understand the question

6. Q2: I know international initiatives to address sustainability such as United Nations Sustainability Development Goals. *

Mark only one oval.

- ☐ Nothing
- ☐ Little
- ☐ Quite a bit
- ☐ A lot
- ☐ I don't understand the question

7. Q3: I know national initiatives to address sustainability such as Kuwait Vision 2035. *

Mark only one oval.

- ☐ Nothing
- ☐ Little
- ☐ Quite a bit
- ☐ A lot
- ☐ I don't understand the question

8. Q4: I know strategies or technologies for the reduction, reuse, and recycling resources and waste. *

Mark only one oval.

- ☐ Nothing
- ☐ Little
- ☐ Quite a bit
- ☐ A lot
- ☐ I don't understand the question

9. Q5: I know the environmental impact that products and services related to my engineering field have throughout their life cycle (extraction, production, use, and end of life). *

Mark only one oval.

- ☐ Nothing
- ☐ Little
- ☐ Quite a bit
- ☐ A lot
- ☐ I don't understand the question

10. Q6: I know the basic concepts of health, safety and social justice criteria in the projects and actions in my engineering field. *

Mark only one oval.

- ☐ Nothing
- ☐ Little
- ☐ Quite a bit
- ☐ A lot
- ☐ I don't understand the question

11. Q7: I know the basic concepts related to the management of resources (material, economic and human) applicable in project management. *

Mark only one oval.

- ☐ Nothing
- ☐ Little
- ☐ Quite a bit
- ☐ A lot
- ☐ I don't understand the question

12. Q8: I know the strategic role that my profession has in sustainability and the consequences, direct and indirect, of the use of the products and services of my professional field in society, the economy, and the environment. *

Mark only one oval.

- ☐ Nothing
- ☐ Little
- ☐ Quite a bit
- ☐ A lot
- ☐ I don't understand the question

13. Q9: I know the main interest groups and social, economic, and environmental agents related to the activity of my engineering field. *

Mark only one oval.

- ☐ Nothing
- ☐ Little
- ☐ Quite a bit
- ☐ A lot
- ☐ I don't understand the question

14. Q10: With regard to sustainability in my engineering field, I know the main ethical problems, the ethical principles, and the related laws and regulations. *

Mark only one oval.

- ☐ Nothing
- ☐ Little
- ☐ Quite a bit
- ☐ A lot
- ☐ I don't understand the question

15. Q11: How would you rate the importance of sustainability for: *

Mark only one oval per row.

	Not important	Possibly important	Important	Very important
You personally	☐	☐	☐	☐
You as an engineer	☐	☐	☐	☐
Your country	☐	☐	☐	☐
The society world-wide	☐	☐	☐	☐
Future generations	☐	☐	☐	☐

16. Q12: Did you have any sustainability education in school? *

Mark only one oval.

- ☐ Yes
- ☐ No

17. Q13: Have you had any sustainability education in any of your university courses so far? *

Mark only one oval.

- ☐ Yes
- ☐ No

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