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Statement of participation

Tithi Bose

has completed the free course including any mandatory tests for:

Systems engineering: Challenging complexity

This 25-hour free course explained systems engineering and its importance. It gave tuition on evaluating relationships and classifying the project.

Issue date: 25 April 2022

www.open.edu/openlearn

This statement does not imply the award of credit points nor the conferment of a University Qualification.
This statement confirms that this free course and all mandatory tests were passed by the learner.

Please go to the course on OpenLearn for full details:
https://www.open.edu/openlearn/science-maths-technology/computing-ict/systems-engineering-challenging-complexity/content-section-0

COURSE CODE: **T837_1**

Systems engineering: Challenging complexity

https://www.open.edu/openlearn/science-maths-technology/computing-ict/systems-engineering-challenging-complexity/content-section-0

Course summary

This free course, Systems engineering: Challenging complexity, examines system engineering and why it is important. You will learn to identify and evaluate the importance of relationships within the process and assess the relative importance of stakeholders. You will also be able to classify a systems engineering project in terms of the balance of demands, choice and constraints.

Learning outcomes

By completing this course, the learner should be able to:

- evaluate a specific example or case of a product development process in terms of the 'waterfall' life cycle model of software development
- classify new product developments as: fault correction, enhancements, new but similar products, radically different, revolutionary or iconoclastic products
- analyse the causes of a systems failure
- identify and evaluate the importance of the relationships of the factors leading up to system complication and complexity
- answer the question 'why is systems engineering important?

Completed study

The learner has completed the following: