OpenLearn | Free learning from The Open University

The Open University

Statement of participation

Tithi Bose

has completed the free course including any mandatory tests for:

Additive manufacturing

This free 8-hour course covered the fundamentals of the additive manufacturing (AM) process.

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/additive-manufacturing/content-section-0

COURSE CODE: **T805_1**

Additive manufacturing

https://www.open.edu/openlearn/science-maths-technology/additive-manufacturing/content-section-0

Course summary

This free course, Additive manufacturing, introduces you to its key concepts. It covers the fundamentals of the additive manufacturing (AM) process, the steps involved in creating a model and building an artefact, the materials and techniques used, as well as the design implications and the factors which affect the functionality of the finished parts.

Learning outcomes

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

- describe additive manufacturing and explain its advantages and disadvantages
- explain the processes used in additive manufacturing for a range of materials and applications
- understand the role of additive manufacturing in the design process and the implications for design
- describe the effects of surface finish and microstructural properties on behaviour for components produced using additive manufacturing
- display an awareness of residual stresses that may occur during additive manufacturing and their effects.

Completed study

The learner has completed the following: