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:

Microelectronic solutions for digital photography

This 20-hour free course looked at the methods employed by designers of integrated circuits to exert compete control over the components they create.

Issue date: 24 October 2021

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/engineering-and-technology/technology/microelectronic-solutions-digital-photography/content-section-0

COURSE CODE: **T356_2**

Microelectronic solutions for digital photography

https://www.open.edu/openlearn/science-maths-technology/engineering-and-technology/technology/microelectronic-solutions-digital-photography/content-section-0

Course summary

The human eye is a fascinating and complicated device, but how do digital cameras capture images? This free course, Microelectronic solutions for digital photography, examines one of the humanmachine interfaces that link optical information to the electronic world. You will learn how the components within a digital camera capture images for electronic manipulation.

Learning outcomes

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

- describe how to use metal–oxide–semiconductor (MOS) structures for light capture, switches and latches
- distinguish between CMOS and CCD strategies for image capture.

Completed study

The learner has completed the following: