



Certificate of Achievement

Numair Fahad

has completed the following course:

BUILDING A FUTURE WITH ROBOTS
THE UNIVERSITY OF SHEFFIELD

This online course presented some of the major challenges that working with autonomous systems creates, gave an understanding of how researchers design robotic systems, how these connect to other fields of study, and the potential role of robotics in our everyday future.

3 weeks, 3 hours per week



Professor Sandor Veres

Director of the Autonomous Systems and Robotics Research Group,
Department of Automatic Control and Systems Engineering
The University of Sheffield



The
University
Of
Sheffield.

The person named on this certificate has completed the activities in the attached transcript. For more information about Certificates of Achievement and the effort required to become eligible, visit futurelearn.com/proof-of-learning/certificate-of-achievement.

This learner has not verified their identity. The certificate and transcript do not imply the award of credit or the conferment of a qualification from The University of Sheffield.



Numair Fahad

has completed the following course:

BUILDING A FUTURE WITH ROBOTS **THE UNIVERSITY OF SHEFFIELD**

This online course presented some of the major challenges that working with autonomous systems creates, gave an understanding of how researchers design robotic systems, how these connect to other fields of study, and the potential role of robotics in our everyday future.

STUDY REQUIREMENT

3 weeks, 3 hours per week

LEARNING OUTCOMES

- Describe the main challenges of working with autonomous systems and the ways in which we might meet these challenges.
- Explore some basic principles of robotic design.
- Apply knowledge of where developments in robotics are heading and their potential effect on our future.
- Explain existing and potential real-life robotic applications.

SYLLABUS

"Robots and autonomous systems are set to change our lives in the not-too-distant future; from travel (self-driving cars), to work (job automation), to medicine (biomedical robots), and even domestic life (household robots).

On this course, we'll look at current and future developments in the field of robotics. You'll learn how robots sense the world around them, how robotics takes inspiration from nature, and how robots will work with humans.

You'll build up a picture of the principles and the fundamental challenges of robotic design and learn to demonstrate how research is working to overcome these.