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**Usama Bin Qamar**

has successfully completed

**Introduction to the Internet of Things and  
Embedded Systems**

an online non-credit course authorized by University of California, Irvine and offered  
through Coursera

A handwritten signature in black ink, which appears to read "Ian Harris", is positioned above a horizontal dotted line.

Ian Harris  
Professor  
Department of Computer Science

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/XGANUWPCJX8R](https://coursera.org/verify/XGANUWPCJX8R)

Coursera has confirmed the identity of this individual and  
their participation in the course.