



University of Colorado
Boulder

Apr 7, 2024

Chirayu Tongra

has successfully completed

UX and Interface Design for Embedded Systems

an online non-credit course authorized by University of Colorado Boulder and offered
through Coursera

A handwritten signature in black ink, likely belonging to Bruce R. Montgomery.

Bruce R. Montgomery, PhD, PMP
Sr. Instructor
Electrical, Computer, and Energy Engineering
University of Colorado Boulder

COURSE
CERTIFICATE



Verify at:

<https://coursera.org/verify/V4SMNDBKDRN4>

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



University of Colorado Boulder

Apr 17, 2024

Chirayu Tongra

has successfully completed

M2M & IoT Interface Design & Protocols for Embedded Systems

an online non-credit course authorized by University of Colorado Boulder and offered
through Coursera

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Bruce R. Montgomery, PhD, PMP
Sr. Instructor
Electrical, Computer, and Energy Engineering
University of Colorado Boulder

COURSE CERTIFICATE



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<https://coursera.org/verify/LHGTPK9ZFY8>

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



University of Colorado
Boulder

Mar 11, 2024

Chirayu Tongra

has successfully completed

Rapid Prototyping of Embedded Interface Designs

an online non-credit course authorized by University of Colorado Boulder and offered through Coursera

A handwritten signature in black ink, likely of the instructor Bruce R. Montgomery.

Bruce R. Montgomery, Ph.D., FMP
Sr. Instructor
Electrical, Computer, and Energy Engineering
University of Colorado Boulder

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3 Courses

UX and Interface Design for
Embedded Systems

Rapid Prototyping of
Embedded Interface Designs

M2M & IoT Interface Design
& Protocols for Embedded
Systems



University
of Colorado
Boulder

Apr 18, 2024

Chirayu Tongra

has successfully completed the online, non-credit Specialization

Embedded Interface Design

In this specialization, learners developed an understanding of user experience, communications protocols, and rapid prototyping for embedded device interface designs and systems. Learners leveraged modern programming tools, design methods, and device- and cloud-based platforms for their development work. Projects performed explored key user experience design methods, software-based user interface and device communication designs, and the use of cloud support for developing prototypes and systems. With this specialization, learners gained the tools for developing effective user interfaces and connected embedded prototypes, devices, and systems.

Bruce Montgomery,
PhD, PMP; Sr. Instructor
at University of
Colorado Boulder

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Verify this certificate at:

<https://coursera.org/verify/specialization/9NJDA724W84G>