INTERNET OF THINGS
ROADMAP TO A CONNECTED WORLD

COURSE NAME: Internet of Things: Roadmap to a Connected World
COURSE STARTS: MARCH 28, 2017   DURATION: 6 WEEKS
COURSE INFORMATION ONLINE: digitalprograms.mit.edu/iot

LOCATION: Online   CEUs: 1.2   COST: $495   CONTACT: mitprofessionalx@mit.edu

COURSE DESCRIPTION
By 2020, there will be 50 billion devices connected to the Internet. How will you capitalize on this tremendous opportunity? Gain important insights into this groundbreaking evolution that’s redefining hardware, software, and data by participating in this six-week online course. Led by a team of world-renowned researchers, MIT Professional Education’s Internet of Things: Roadmap to a Connected World course offers the tools you need to develop and implement your own IOT technologies, solutions, and applications.

KEY BENEFITS
During this self-paced, online course, you will:
• Deepen your understanding of key IOT concepts including identification, sensors, localization, wireless protocols, data storage and security
• Explore IOT technologies, architectures, standards, and regulation
• Ascertain the value created by collecting, communicating, coordinating, and leveraging the data from connected devices
• Examine technological developments that are likely to shape the industrial landscape

“Internet of Things (IOT) is bound ultimately to affect almost every aspect of our lives. In fact, I encourage you to look around and try to figure out where the IOT won’t be.”

—SANJAY SARMA, VP OF OPEN LEARNING,
CO-CHAIR OF THE MIT AUTO-ID LABS
AND ONE OF THE ORIGINAL ARCHITECTS OF IOT AT MIT

COURSE FORMAT
Held over the course of six weeks, this course includes:
• Three modules covering 13 topic areas and 12 hours of video
• Assessments to reinforce key learning concepts presented in each module
• Short case studies and focused readings
• Discussion forums for participants to address thought-provoking questions posed by MIT faculty
• Community Wiki for accessing additional resources, suggested readings, and related links

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Conclusion: Roadmap of the Internet of Things (IOT)

- Utilizing sensors to gain greater visibility and real-time situational awareness
- Ways to act on the information collected, thereby controlling the real world
- Formulating an architecture that enables a macro picture of systems, an accessible design paradigm, and a set of interfaces which can be standardized
- A security paradigm, which considers setup, maintenance, and updating
- Vertical applications that provide a clear business case and a pressing opportunity
- Emerging technologies to address IOT challenges

PROGRAM DETAILS ARE SUBJECT TO CHANGE
REVISED: 2/20/2017