Data Sheet

Educator Extension for ThingWorx®

The Educator Extension for ThingWorx addresses specific challenges faced by today’s educators—rapidly changing technology, limited classroom time, outdated curriculum, and accessible training.

The Educator Extension for ThingWorx is a cutting edge product that combines technology, interactive online courses and hands-on learning to engage students in the Internet of Things (IoT).

Technology

What’s transformative about the IoT isn’t the internet itself, but the changing nature of “things” – the products that people engineer, manufacture, operate and service.

It is the expanded capabilities of these smart, connected products and the data they generate that are ushering in a new era of competition.

To help you and your students prepare for this exciting new world, the Educator Extension for Thingworx offers access to ThingWorx through a multi-tenancy platform for you and up to 100 students.

Creating an engaging, technology-forward classroom is easy: after you get the registration code, set up your online profile and create a new class using the access code generated for your students.

Open Courseware

IoT specific courseware to help you and your students quickly grasp the key concepts of the Internet of Things, independently and at your own pace, through a series of online micro-courses.

The courses include academic research and business case studies that incorporate best practices to offer a unique learning experience. Each course also provides a certificate of completion when the associated lectures for the course have been completed.

- Unpacking the Internet of Things. Understand why companies across the globe are investing big in IoT. Identify essential components and capabilities of IoT products. Access leading industry research and resources.
- A Simple Framework for Designing IoT Products. Know how to identify essential elements and understand the business implications of smart, connected products. Use a design framework to create IoT product concepts.
- New Business Markets in the IoT. Understand how smart, connected products are transforming industry boundaries. Learn about nine IoT settings that provide a framework for business strategy and marketing.
- Fundamentals of IoT with ThingWorx. Understand basic functionality and features in ThingWorx by developing two simple IoT applications.
Classroom Resources

Classroom resources offer hands-on learning with classroom-tested IoT application projects.

Designed for the beginner, with a logical pathway to more advanced projects, these two projects can be easily integrated into your lesson plans.

- **Build a Basic ThingWorx Mashup.** Show basic concepts of ThingWorx and how to create a mashup with data entered by the student.

- **Connect Raspberry Pi to ThingWorx.** Show how to create an application that displays data collected by a temperature and humidity sensors connected to a Raspberry Pi, including how to send an alert.

To learn more about the Educator Extension for ThingWorx and the PTC Academic Program, please contact academicsuccess@ptc.com.

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