UTAustinX: UT.6.01x Embedded Systems - Shape the World

Courseware (/courses/UTAustinX/UT.6.01x/1T2014/courseware)   Course Info (/courses/UTAustinX/UT.6.01x/1T2014/info)

Discussion (/courses/UTAustinX/UT.6.01x/1T2014/discussion/forum)   Wiki (/courses/UTAustinX/UT.6.01x/1T2014/course_wiki)

Progress (/courses/UTAustinX/UT.6.01x/1T2014/progress)

Questions (/courses/UTAustinX/UT.6.01x/1T2014/a3da417940af4ec49a9c02b3eae3460b/)

Syllabus (/courses/UTAustinX/UT.6.01x/1T2014/a827a8b3cc204927b6efaa49580170d1/)

Embedded systems are a ubiquitous component of our everyday lives.

An embedded system is a system that performs a specific task and has a computer embedded inside. A system is comprised of components and interfaces connected together for a common purpose.

2.0 - INTRODUCTION, EXAMPLES OF EMBEDDED SYSTEMS

Help

▶

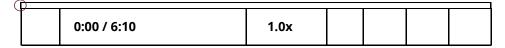DR. JONATHAN VALVANO: Hi, this is the module on fundamental concepts.

DR. RAMESH YERRABALLI: In this module, we will look at number systems,

microcontroller design, and instruction set architecture.

DR. JONATHAN VALVANO: OK.

DR. RAMESH YERRABALLI: OK.

So let's first ask ourselves, what is an embedded system to you, Jon?

0:00 / 6:10   1.0x

About (https://www.edx.org/about-us)   Jobs (https://www.edx.org/jobs)

https://courses.edx.org/courses/UTAustinX/UT...

(http://www.meetup.com/edx-Global-Community/)

EdX is a non-profit created by founding partners Harvard and MIT whose mission is to bring the best of higher education to students of all ages anywhere in the world, wherever there is Internet access. EdX's free online MOOCs are interactive and subjects include computer science, public health, and artificial intelligence.

(http://www.facebook.com/EdxOnline)

(https://twitter.com/edXOnline)

(https://plus.google.com/108235383044095082735/posts)

(http://youtube.com/user/edxonline)

Help