



Karen West <karenwest15@gmail.com>

[The Computing Technology Inside Your Smartphone] Two Days Until The Computing Technology Inside Your Smartphone Launches

The Computing Technology Inside Your Smartphone <ENGRI1210x-no-reply@courseupdates.edx.org>
To: KarenWest15@gmail.com

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The Computing Technology Inside Your Smartphone

Dear ***The Computing Technology Inside Your Smartphone Learners***,

Greetings from Cornell University and ***The Computing Technology Inside Your Smartphone Learning Team***! We are excited to launch the course this **Tuesday, 10 March**, and we look forward to your participation and contributions. The course content will go live on **10 March at 18:00 UTC/GMT**.

New content will be released each **Tuesday at 18:00 UTC/GMT** throughout the eight weeks of the course. (Here's a [UTC time zone converter](#) to find your local time.) While you will have until the end of the course to submit all your work and earn your certificate, we encourage you to progress through the course based on the suggested due dates in the course syllabus. If you are not interested in earning a certificate, we still recommend starting in week 1 with the Introduction, and then exploring the modules in sequence, since they build upon one another.

We are grateful for your interest in this course. With students engaged from over 170 countries, we look forward to lively discussions as we share ideas and experiences from around the world.

Please be sure to use **#SmartphoneMOOC** when Tweeting about the course.

Now take a moment to meet Professor Albonesi and to hear about what you will learn in this course.

[Click here](#) to watch the introductory video from Professor Albonesi. If the link doesn't work, then copy and paste the following URL into your browser.

<https://www.youtube.com/watch?v=95k4Q9UI9Bk>

[Click here](#) to hear about what you will learn in the course. If the link doesn't work, then copy and paste the following URL into your browser.

<https://www.youtube.com/watch?v=UbCYjxw0wyU>

Enjoy! And be sure to invite your friends!

The Computing Technology Inside Your Smartphone Faculty and Teaching Assistants

Course Sequence:

- Week 1: Introduction
- Week 1: Numbers
- Week 1: Operations
- Week 2: Transistors and Gates
- Week 2: Muxes and Decoders
- Week 2: Adders
- Week 3: Storage
- Week 3: Finite State Machines
- Week 4: Stored Program Computer
- Week 4: LC-3 Instructions
- Week 4: LC-3
- Week 5: Instruction Set Architecture (ISA)
- Week 5: ISA 2
- Week 5: ARM ISA
- Week 5: LC-3 Control
- Week 6: Programming to Solve Problems
- Week 6: Assembly Language

- Week 6: Input/Output (I/O)
- Week 6: C Programming
- Week 7: Performance
- Week 7: Pipelining
- Week 7: Hazards
- Week 7: Instruction Level Parallelism
- Week 7: Thread Level Parallelism
- Week 7: Data Level Parallelism
- Week 8: Caches
- Week 8: Multicore
- Week 8: Permanent Storage
- Week 8: Snapdragon
- Week 8: Conclusion



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edX
141 Portland Street
Cambridge, MA, USA 02139

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