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Lecture 07: ARM INSTRUCTION SET (PART I) ARM

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Arm C/C++ Compiler toolchain takes full advantage of the most advanced Arm architecture features to generate fast, compact, and energy-efficient code for embedded applications. Mbed OS Arm Mbed OS is a free, open-source embedded operating system that is designed specifically for the things in the Internet of Things.

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introduced at the same time. Thumb-2 is a superset of the ARMv6 Thumb ISA described in the ARM Architecture Reference Manual

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(ARM DDI 0100). Thumb-2 extends the Thumb architecture by adding the following: † A substantial number of new 32-bit Thumb instructions. These cover most of the functionality of the ARM instruction set.

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