Under the Pin Cherry Tree Club department of Electronics & Communication engineering organized a workshop on Nuvoton Nu LB NUC140 ARM Cortex M0 Microcontroller on 26, 27 November 2015, at B Block 307 from 10:00 AM to 4:00PM in two sessions.

Objective of Workshop:

To take embedded world to 32-bit microcontroller.

8/16-bit processors run on old architectures; which make it tend towards slowness. It also has a low limit on supported RAM/other storage. Whereas 32-bit microcontroller architectures can replace 8/16-bit systems without a cost increase for embedded solution with a boost in RAM size and performance.

The ARM Cortex™-M0 processor is the smallest ARM processor available; which is mainstream product for next 1~2 decade with exceptionally small silicon area and low power required to achieve 32-bit performance at an 8/16-bit price point for similar application. On the one hand compare to 8/16-bit microcontrollers 32-bit ARM Cortex™-M0 microcontroller has up to 50 percent higher code density to perform typical task.

About Nu LB NUC140 ARM Cortex M0:

NuMicro™ is Nuvoton's brand-new 32-bit Microcontroller (MCU) family powered by the ARM® Cortex™-M0 processor - the smallest, lowest power and most energy-efficient ARM processor optimized for a variety of MCU applications. Nuvoton's NuMicro™ family includes NUC100/200 series, NUC120/122/123/220 series with USB 2.0 FS device, NUC130/140 series embedded with Controller Area Network (CAN)
2.0B licensed from BOSCH, M051 series, Mini51 series, and Nano100 Ultra-low Power series targeting at battery powered applications. With a variety of product offerings, the NuMicro™ family is ideal for use in industrial control systems, industrial automation, consumer products, embedded network control, energy, power systems, motor control, and many more. Furthermore, with the integration of the industry leading ARM® Cortex™-M0 microprocessor, the NuMicro™ family brings 32-bit performance at a cost equivalent to traditional 8-bit MCU.

Photos of FDP:

All the faculties of EC Department have attended the workshop and here is the glimpse.