**Holon Institute of Technology cooperates with Nuvoton Technology Corporation Taiwan in Academic Program**

Holon 2013/08/13 – Holon Institute of Technology (HIT) formed a partnership with Nuvoton Technology Corporation (NTC), Taiwan, chip design company, who is interested to partner in 'Academic Program'. In which Nuvoton donate and provide microcontroller NuMicro ARM Cortex™-M0 Nu-LB-NUC 140 learning boards, document, facility for the class and research based on microcontroller ARM Cortex™-M0. Nuvoton has already donated two units of NuMicro ARM Cortex™-M0 microcontroller learning boards for pre study. As the follow up, Nuvoton will support more learning boards. This program will provide microprocessor and embedded system courses teaching platform for HIT students, lecturers, and professors. The purpose of this program is to provide knowledge and understanding to students about the latest microcontroller technology 32-bit ARM Cortex™-M0. It is expects that through academic program, it will transfer knowledge and technology between industry and academia.

Dr. Nonel Thirer and Dr. Yosef Ben-Ezra are the key persons in charge of Nuvoton Academic Program in HIT. The plan of Nuvoton's academic program is mainly to provide training to students for the mainstream products in the next 1~2 decades, it may also have chance to extend it to projects or software development in near future. This program is begun in May 2013 and soon Nuvoton will have meeting with HIT for discussion regarding academic program plan and evaluation.

Nuvoton NuMicro ARM Cortex™-M0 single chip microprocessor learning boards provide HIT on the upgrading to 32-bit MCU level, and also help HIT on the embedded system application development research program. NuMicro ARM Cortex™-M0 microprocessor platform for teaching use, and provides free software environment, drivers, and source code examples.
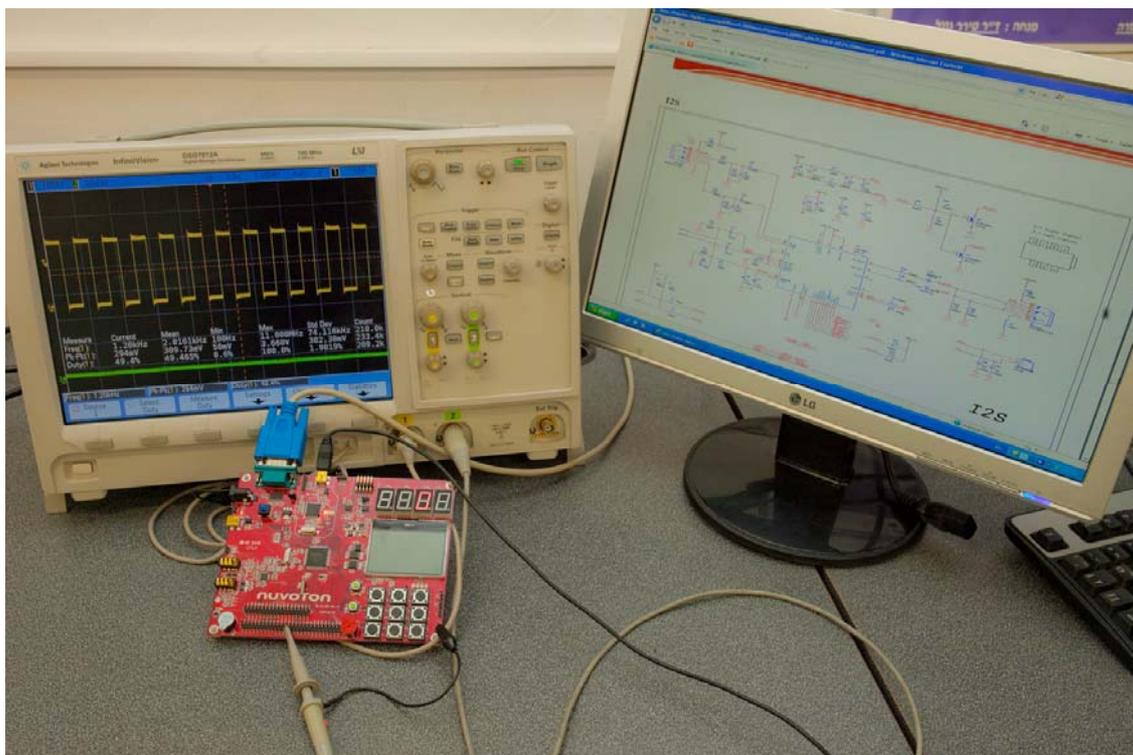
Microprocessors in the next 20 years is still widely used in mainstream architecture and hope that through the courses at HIT students, they will be able to catch up the industrial technology, standards synchronization industry cultivating for more competitive talents. In the future, HIT and Nuvoton will have a further technical education, training, and research cooperation.

The 32-bit ARM Cortex™-M0 microprocessors are significantly improved in computing speed and application performance, commonly used in car electronics, such as: audio, window controls, navigation system, and so on, through the internet and vehicle electronic communication, to expand the surrounding function. Nuvoton academic program also want to take the industry's latest embedded platform ARM Cortex™-M0, not only to learn the basic control theory and implementation, but also allows students to learn the basic tools and production processes need to electronics engineers, due to the course content information and examples of both practicality, helps students thematic studies and significantly enhance future employability. In the future, Nuvoton will continue to support the microcontroller-based research conducted by HIT.

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