Gujarat Technological University is going to organize

Workshop on

nuvoTon

"NuMicro ARM Cortex-M0 and its Applications"

"Each Registered participant will get a free* Nu-LB-NUC140 *learning board worth* USD $180 *(Maximum two boards per institution).All are requested to get their laptops for Hands-on and name card or photo copy of employee ID card."

Interested faculty members can register through a link uploaded on GTU website circular.

Please contact for any query regarding registration.

E-mail: gtuprojects@gtu.edu.in
Contact No. : 079-23267560

Chief Patron

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Vice Chancellor, GTU

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Professor (EC, VGEC)

Dr. Mihir Shah,

Asso. Professor (EC, VGEC)

Coordinators

Ms. Kinjal Joshi
Ms. Vaishakhi Shah

Faculty Training Program

Workshop on

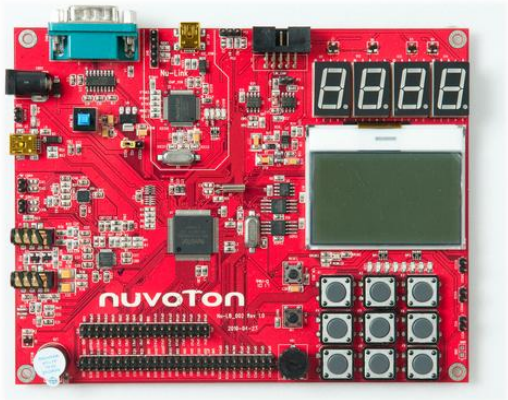
nuvoTon

"NuMicro ARM Cortex-M0 and its Applications"

18th and 19th January 2014

Organized by

Gujarat Technological University



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About the Institute

The Gujarat Technological University (GTU) has been established by Government of Gujarat vide the Gujarat Act No. 20 of 2007 in the year 2007. GTU makes Degree engineering 100, Degree pharmacy 90, Diploma engineering 90, MBA 119, MCA 76, Hotel Management 2, Diploma Pharmacy 16, in total 4 lac students and 20 thousand professors united under GTU and has achieved new stage in science and technology. Our Mission is to provide Faculties and students a vast ocean of knowledge which can bring new inventions and discoveries.

About Nuvoton (NTC)

Nuvoton Technology Corporation (NTC) was founded to bring innovative semiconductor solutions to the market. Nuvoton Technology focuses on development of analog/mixed signal, microcontroller, cloud and computing products and has strong market share in Industrial, Consumer and Computer markets. Nuvoton owns a fab, featuring customized processes for analog, power and MCU products. Besides in-house IC products, the wafer fab also provides part of its capacity for foundry services. Nuvoton Technology provides products with a high performance/cost ratio for its customers by leveraging flexible technology, advanced design capability and integration of digital and analog technologies. Nuvoton values long term relationships with its partners and customers and is dedicated to continuous innovation of its products, processes and services. The company has established subsidiaries in the USA, China and Israel to strengthen regional customer support and global management.

About the Workshop

With the growing importance of the embedded systems, the need to design embedded applications with micro controllers having advanced features is gaining prominence. ARM, an Advanced RISC Machine is emerging as one of the prominent standard for embedded RISC processing across communication, networking, consumer, portable, automotive and multimedia application markets. ARM offers an array of cores, architectural extensions, microprocessors and system-on-chip (SoC) solutions, all using common software architecture. There is a growing need for embedded engineers to understand and work with the ARM Processor Family Architecture and software development tools. This 2-day workshop will enable participants to understand ARM Cortex-M0 architectures, its programming and its various peripherals.

Introduction to NuMicro™

NuMicro™ Cortex™-M0 is Nuvoton's brand new 32-bit microcontroller family powered by the ARM cortex-MO processor – the smallest lowest power and most energy efficient ARM processor optimized for a verity of MCU applications. The 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.

Intended Audience

Faculties of GTU affiliated engineering colleges

Resource Persons

Dr. Richard Kuo,
Technology Director,
Nuvoton Technology Corporation (NTC), Taiwan

Mr. Jitendra Patil,
Business Director,
Nuvoton India

Mr. Mohammed Sadique Anwar,
Engineer
Nuvoton Technology Corporation (NTC), Taiwan

Address for Communication

Ms. Kinjal Joshi

Ms. Vaishakhi Shah

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Topics Covered

- **NuMicro Introduction**
- **NuMicro Learning board SDK installation**
- **GPIO, LCD**
- **PWM and Motor control**
- **UART, SPI**
- **USB, I2C**
- **CAN 2.0**