

**TWO DAY HANDS-ON WORKSHOP
ON**

**“MSP430 Microcontroller
Programming for Beginners”
17th & 18th September - 2018**

Registration Form

Name (in capital letters):

Designation :

Institution :

Qualification :

Year of Experience :

Gender :

Address for Communication:

E-mail address :

Phone / Mobile No :

DECLARATION

The information provided by me is true to the best of my knowledge. I agree to abide by the rules and regulations governing the workshop Program. If selected, I shall attend the program for the entire duration.

Date Signature

BONAFIDE CERTIFICATE

Mr/Ms/Dr _____

_____ is a student/
employee of our Institute/Organization and is
hereby sponsored. He/She will be permitted to
attend the programme in full, if selected.

Place: Signature & Seal

Date: **Head of the Institution**

ABOUT THE WORKSHOP

Embedded Market keeps on evolving dynamically with users keeping on raising the bar on better performance with versatile peripherals and shrinking on the power consumption irrespective of it being operated with battery or mains. Texas Instruments offers a wide portfolio of embedded microcontrollers to suit different needs and market segment. MSP430 microcontrollers are very energy efficient and offer very good performance and a very good choice for the evolving applications across different industrial segments with advanced and mixed signal features. The Hands-On Workshop begins with the architecture and its peripherals usage and its advanced features including energy efficiency. The participants start building a simple data acquisition application on integration with the mixed signal peripherals which can then be enhanced or extrapolated based on the individual requirements.

Pre-requisites:

Understanding of basic C Programming required. Understanding of Microprocessor Architecture is desired, but optional.

Key Takeaways:

Overview and Hands-on experience in designing and programming embedded system based projects.

TOPICS TO BE COVERED

- Introduction to IDE, Tools and Embedded C, Energia.
- Peripheral Interfacing - I/O Port LED & Switch Interface, Timer, ADC, LCD, UART & DAC.

RESOURCE PERSON

Mr.V.S. Ramesh
Director – STEPS Knowledge Services Pvt Ltd
Authorized Training Partner for Texas Instruments
University Program.
vsr@stepsmail.com
www.stepsknowledge.com

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17th & 18th September - 2018

In association with



Co- Convener

Dr.V.Ranganayaki
Associate Professor/EEE

Coordinators

Ms.C.Maheswari
Assistant Professor/EEE

Mr. J.Sathish

Assistant Professor/EEE

Organized by



Dr. N.G.P. INSTITUTE OF TECHNOLOGY
(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
Recognized by UGC & Accredited by NAAC and NBA

**DEPARTMENT OF ELECTRICAL AND
ELECTRONICS ENGINEERING**

ABOUT THE INSTITUTION

The Kovai Medical Center Research and Educational trust crossed another milestone by establishing Dr.N.G.P. Institute of Technology in 2007. The vocational advantages of the institution are its close proximity to the Coimbatore Airport and the National highway. The institution is approved by the All India Council for Technical Education (AICTE) New Delhi and is affiliated to Anna University, Chennai. The institution is well equipped with advanced infra structural facilities to meet requirements university prescribed. The institution aims to develop and implement a comprehensive human resources plan to include recruitment, professional development, retention and succession plans that attract qualified staff and faculty and ensure that they remain current in their respective roles and disciplines.

ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering was established during the inception of the institute in 2007. It strives for excellence in the core field of Electrical and Electronics Engineering. It provides an international ambience in a local setting with innovative and engaging teaching methods, workshops, lecture series, industry institute interaction, seminars by eminent speakers, virtual industry tour and research activities. It offers a comprehensive array of courses that encompass the undergraduate, postgraduate and doctoral levels with an objective of imparting quality education and research whilst leading on the innovation curve. This deepens the students understanding of engineering concepts and also provides them with an exposure to the kind of work that is expected from the students in Industry. The Department has excellent laboratory facilities in the areas like Microprocessors, Microcontrollers, Project Laboratory and Simulation laboratory with latest software.

LOCATION

The Institute is situated on Coimbatore - Avinashi highway and is about 10 Kms from Coimbatore, Central Railway Junction and is about 4 Kms from Coimbatore Airport. It is accessible by Route numbers 115,16B from Gandhipuram town bus stand.

TARGET PARTICIPANTS

- ✓ Students – UG / PG of any discipline
- ✓ Faculty & Research Scholars
- ✓ Industry participants

REGISTRATION

- Registration fee for the participants.
 - ✓ Rs. 300 per UG/PG Students.
 - ✓ Rs. 500 per Faculty & Research Scholars.
 - ✓ Rs. 500 per delegate from Industry
- Registration can be done using the form attached in the brochure. The completed form duly signed by Head of the Institution should be sent by post to the Coordinator.
- Total number of participants is limited to thirty members.
- Participants will be selected based on first-come first-serve.
- Selected candidates will be intimated by e-mail.
- Confirmation of participation is to be made through mail before arriving.
- Participants can pay the Registration Fee at the time of attending the workshop.
- Registration Fee includes lunch, refreshment and workshop kit.
- No Accommodation will be provided.

PROGRAM CERTIFICATES

Participation certificates will be issued to the candidates who attend the program in full, by the department of Electrical and Electronics Engineering.

ADDRESS FOR COMMUNICATION

Coordinator(s),

WORKSHOP ON “MSP430 Microcontroller Programming for Beginners”

Department of EEE,
Dr.N.G.P Institute of Technology,
Dr. N.G.P. Nagar, Kalapatti Road,
Coimbatore – 641 048 ,
Tamilnadu, India.
Mobile : 9487509455, 9486826527
Email : ranganayaki@drngpit.ac.in
Sathish.ngpit@gmail.com
Web site: <http://www.drngpit.ac.in/eee.php>

ORGANIZING COMMITTEE

CHIEF PATRON:

Dr.Nalla G.Palaniswami,

Chairman, KMCH

Dr.Thavamani D.Palaniswami,

Secretary, Dr.N.G.P.IT

PATRON:

Dr.O.T.Buvaneshwaran,

CEO, KMCRET

CHAIR:

Dr.K.Porkumaran, Principal, Dr.N.G.P.IT

CONVENER:

Dr.S.Jaganathan, HoD/EEE, Dr. N.G.P.IT

CO-CONVENER:

Dr.V.Ranganayaki, AsP/EEE

COORDINATORS:

Ms.C.Maheswari, AP/EEE

Mr.J.Sathish, AP/EEE

Venue:

**Simulation lab
Department of Electrical and Electronics
Engineering**

IMPORTANT DATES:

Submission of Application : 10.09.2018

Intimation of selection : 12.09.2018

Confirmation by Participants : 14.09.2018