SRM
INSTITUTE OF SCIENCE & TECHNOLOGY
Deemed to be University u/s 3 of UGC Act, 1956

One Day Workshop

on

ARM CORTEX MATLAB Simulink Based

Embedded systems and its Applications

16th FEBRUARY 2018

(FRIDAY)

Organised by

Department of

Electrical & Electronics Engineering

SRM Institute of Science and Technology

(Under section 3 of UGC Act 1956)

Kattankulathur- 603203, Kancheepuram Dt.

Phone: (044) – 27452270, 27453380

Workshop Coverage:

The workshop covers the following key aspects:

1. Programming in Embedded C
2. Types of Embedded C Compliers for ARM processor
3. Study of ARM Architecture
4. Working with MATLAB Simulink
5. General purpose Inputs/Outputs
6. Analog to Digtal Converter
7. PWM generation for converters

REGISTRATION FEE

Research scholar / Student,
Faculty/Scientist /Engineer: Rs. 500

MODE OF PAYMENT

✓ Online payment
  Mr. K.Selvakumar
  A/c.No.   –   117001002086583
  Bank   –   City Union Bank
  Branch   –   Tambaram.
  IFSC code –   CIUB0000117

✓ Prospective participants are requested to fill up the registration form and send it to the coordinators.

  (Email: workshop.eee@srmuniv.ac.in)

CONVENOR

Dr. K.Vijayakumar, Prof. & Head / EEE

CO-ORDINATORS

Dr. M. Jagabar Sathik
Mr. D. Karthikeyan
Mr. K. Selvakumar
Mr. R. Palanisamy
Mr. D. Selvabharathi

RESOURCE PERSONS

Ms. Sri Ramagowri   -   R&D Engineer
Mr. M.Sathyamoorthy   - Project Engineer

Vi Micro Systems Private Limited
Perungudi, Chennai

IMPORTANT DATES

Last date of application: *14th February 2018*.
All Communication should be addressed to

The Co-ordinators
Department of Electrical and Electronics Engineering
SRM Institute of Science and Technology,
SRM Nagar, Kattankulathur – 603 203, Kancheepuram Dt. , Tamil Nadu
Contact No. – 9944204915,
9843389383.

About the Deparment

The Department of Electrical and Electronics Engineering came into existence in the year 1992-1993 as a key entity of SRM Engineering College under the affiliation of University of Madras. Since then there has been a consistent development in all spheres including infrastructure facilities, staff development and student development. The programmes offered by the department under the University of Madras were brought under the ambit of Anna University from the year 2002. From 2003-2004 the department started functioning under SRM Institute of Science and Technology (Deemed to be University). The department now offers B.Tech (Electrical and Electronics Engineering), M.Tech - Power Electronics and Drives, M. Tech - Power systems and Ph.D program under the Faculty of Engineering and Technology.

The EEE department has 14 laboratories with modern equipment supported by special purpose software packages like MATLAB, PSPICE, PSIM, PSCAD, MAGNET, POWER WORLD SIMULATOR, DIgSILENT etc. The faculties in the department are a rich blend of personnel with industrial and professional experience who evince special interest in thrust areas of research such as Power Converters, Multilevel Inverters, FACTS Controllers, Power Electronics Applications to Renewable Energy System, Soft computing applications to Power Engineering etc.

Objective of the Programme

This workshop reveals an idea about the CORTEX development board for Matlab simulink design.

CORTEX development board plays a vital role in design of new power devices / controller and the devices which includes debug & trace capabilities, a real-time operating system. The aim of the workshop is to make the learners to design a powerful enough for the most demanding embedded applications through hands-on exercises. Thus, one can develop a custom models for their application which can be simulated /realized.

After the completion of this training program the participants will be able to:

- Understand various features of the CORTEX development board and its various applications.
- Learn the basics of interfacing technology using Simulink
- Model and simulate a system model using Simulink / System Generator
- Identify the solution from STM32F407ZGT6 design flow for addressing various communication interfaces applications.
- Code the Embedded System Program.
- Know the working of ARM processor

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REGISTRATION FORM

1. Name :
   (Block Letters)

2. Designation &
   Department :

3. Organization :

4. Address for
   Correspondence :

5. Phone No :

6. E-mail :

7. Transaction No. :

Signature of Applicant