

About The Institute

VIT University was established with the aim of providing quality higher education at par with international standards. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis. The campus has a cosmopolitan atmosphere with students from all corners of the globe. Experienced and learned teachers are strongly encouraged to nurture the students. The global standards set at VIT in the field of teaching and research spur us on in our relentless pursuit of excellence.

Our Memoranda of Understanding with various international universities are our major strength. They provide for an exchange of students and faculty and encourage joint research projects for the mutual benefit of these universities. VIT University is the first Indian Institute to get International Accreditation from IET and EI, UK. VIT University obtained the highest possible grade of "A" from NAAC during the re-accreditation process in 2015. With steady steps, we continue our march forward. We look forward to meeting you here at VIT.

About School of Electrical Engineering

School of Electrical Engineering (SELECT) has 79 faculty members who have done their UG and PG degrees from the top-notch universities. The faculty members of this school are consistently doing well in teaching and research. Faculty members and students of SELECT frequently get awards, prizes for outstanding research contributions in their respective fields. The School offers B.Tech (Electrical and Electronics Engineering), B.Tech (Electronics and Instrumentation Engineering), M.Tech (Power Electronics and Drives) and M. Tech (Control and Automation), M.S. by Research and Ph.D. in Engineering. Both B.Tech and M.Tech programmes attract the brightest students of the country and abroad every year. B.Tech (Electrical

and Electronics Engineering) and B.Tech (Electronics and Instrumentation Engineering), is accredited by the Engineering Accreditation Commission of ABET. All UG & PG programmes of the school are accredited by the Institution of Engineering and Technology (IET), U.K. The placement record of the School has always been impressive. Almost 100% of the students get job from the campus placement and many of them are getting it in core companies every year. We encourage the students to do engineering projects during their B.Tech and M.Tech degrees. The School has state-of-the-art laboratories in almost all the areas of Electrical, Electronics and Instrumentation Engineering. The School has the latest simulation tools to cater to various specializations and is equipped with facilities for measurement, characterization and synthesis of experimental as well as theoretical results. Every year, students get scholarships to do their final year projects abroad under the Semester Abroad Program (SAP).

The School has many industry sponsored advanced laboratories for doing research. Schneider Electric, India and NXP Semiconductors, India, have established Centre of Excellence for students R&D activities under the guidance of faculty members and Industry experts. Students regularly visit Industries and significant places for learning. The School has signed MoUs with many foreign Universities, research organizations and Industries from where students get benefits for their R&D Work / Projects from the MoUs.

About The Workshop

The uses of embedded systems are virtually limitless, because every day new products are introduced to the market that utilize embedded computers in novel ways. In recent years, hardware such as microprocessors, microcontrollers and FPGA chips have become much cheaper. So when implementing a new form of control, it's wiser to just buy the generic chip and write your own custom software for it. Producing a custom-made chip to handle a particular task or set of tasks costs far more time and money.

Many embedded computers even come with extensive libraries, so that "writing your own software" becomes a very trivial task indeed. The objective of this workshop is to present and discuss the embedded system architecture, to write the software for the processor, debug the software, to interface peripherals with the processor. (Hands on training will be provided)

Topics to be covered

- Introduction to Advanced Embedded Architecture
- Recent Developments in Embedded Architecture
- Real Time Operating Systems
- Implementing Real Time Algorithm
- Multitasking
- ARM Processor Interfacing
- Hands on with ARM Processor

Resource Person:

The workshop sessions will be delivered by experts from renowned Industries / Institutes / Research Labs in India.

Registration Fee:

Faculty/Industry Experts/Scientists: **Rs. 2,000/-**

Students/Research Scholars: **Rs. 1,000/-**

(Registration fees includes 14 % tax)

(Registration fee Includes a kit, working lunch and snacks. Certificate will be issued to all the registered participants.)

DD in favor of '**VIT University**' payable at **Vellore, Tamil Nadu.**

Important Dates:

Last date for registration : **15th July, 2016**

Workshop Dates: **22nd – 23rd July, 2016**

Prospective participants are requested to fill up the registration form with DD and send it to the coordinator.

**Two Day National Workshop on
EMBEDDED SYSTEMS ARCHITECTURE AND
ARM PROCESSOR – HANDS ON
REGISTRATION FORM**
(Capital Letters only)

Full Name

Gender: Male / Female.

Designation:

Organization:

Address:

.....

.....

Mobile No.:

E-mail :

Accommodation required: Yes/ No

(On payment basis)

D.D. No.:

Amount : Date :

Declaration: The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the course and attend the course for the entire duration.

Place :

Date :

Signature of Participant

ADVISORY COMMITTEE

Chief Patron

Dr. G. Viswanathan
Chancellor

Patrons

Mr. Sankar Viswanathan
Vice President (CC)

Dr. Sekar Viswanathan
Vice President (UA)

Mr. G.V. Selvam
Vice President (Admin)

Dr. Anand A Samuel
Vice Chancellor

Dr. S. Narayanan
Pro-Vice Chancellor

Dr. V. Raju
Pro-Vice Chancellor

Advisors

Dr Arulmozhivarman .P,
Dean, School of Electrical Engineering,
VIT University.

Dr. K. Palanisamy,
Head Department of Energy & Power Electronics,
School of Electrical Engineering, VIT University

Dr. N. Rameshbabu,
Head Department of Instrumentation, School of
Electrical Engineering, VIT University

Coordinators

Dr.P.Ponnambalam, Associate Professor.
09894777845

ponnambalam.p@vit.ac.in

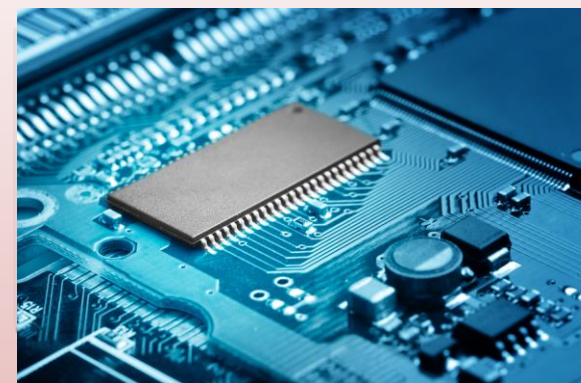
Prof. R.Marimuthu, Asst. Prof. (Sr)
09976494888

rmarimuthu@vit.ac.in

School of Electrical Engineering,
VIT University, Vellore,
Tamilnadu - 632 014.



**Two Day National Workshop
On
Embedded Systems Architecture
and ARM Processor – Hands on
22-23, July 2016.**



**Coordinators
Dr. P.Ponnambalam
Prof. R.Marimuthu**

Organized by

**School of Electrical Engineering,
VIT University, Vellore**