

DURATION AND SCHEDULE

Day 1:

Inauguration 9.00am to 9.30am

Morning Session

- Introduction to Power electronics
- Hands-on session on Basic converters.
- Hands-on session on isolated converters.

Afternoon Session

- Hands-on session on Inverters
- SMPS Experiments

Day 2:

Morning Session

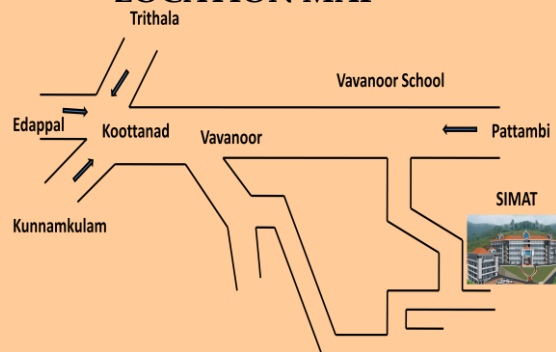
- Introduction To Simulink and Simulink Coder
- DSP Experiments with TMS320C2000 using Simulink Coder

Afternoon Session

- TMS320C2000 and Simulink Blocksets
- More about TMS320C2000 and Simulink Blocksets
- Valedictory Function

Working Lunch/Tea for the participants will be provided

LOCATION MAP



IMPORTANT DATES

Last date for online Registration : [07/08/2017](#)
Last date for reception of filled application: [08/08/2017](#)
Last date for intimation of acceptance : [09/08/2017](#)

REGISTRATION FEE

Registration fee Rs 500/- shall be remitted on 10/08/2017 at the venue.

HOW TO APPLY

For online registration and application form visit: www.simat.ac.in/fdp-pei/

- Maximum number of participants is limited to 30.

ADDRESS FOR COMMUNICATION

COURSE COORDINATORS:

Sugesh. M. S

Mobile: 9946776774

Email: sugesh.ms@simat.ac.in

Sreebala.P

Mobile: 9447509386

Email: sreebala.p@simat.ac.in

A Laboratory course in “Power Electronics and Digital Signal Processing”

10-08-2017 & 11-08-2017

Organized By

DEPARTMENT OF ELECTRONICS
AND COMMUNICATION
ENGINEERING



SREEPATHY INSTITUTE OF
MANAGEMENT AND
TECHNOLOGY, VAVANOOR-
679533

in
Association with

IEDC-KSUM



**SREEPATHY INSTITUTE OF
MANAGEMENT AND
TECHNOLOGY, VAVANOOR-
679533**

INVITATION

It is our pleasure to invite you to the 2-Day Faculty Development Programme (FDP) on "A Laboratory Course in Power Electronics and Digital Signal Processing" scheduled to be conducted on August 10th & 11th, 2017. This programme is organized by Dept of Electronics and Communication Engineering, Sreepathy Institute of Management and Technology in association with IEDC-KSUM.

*Mr. Sugesh M. S. Prof. Sushma M.
COORDINATOR HOD, ECE*

*Dr. George C. T.
PRINCIPAL*

ABOUT THE COURSE

The objective of the programme is to fulfill the Laboratory requirements of S5 ECE Lab courses in "Power Electronics & Instrumentation" and "Digital Signal Processing". The programme is meant for the faculties handling the power electronics and digital signal processing lab for the fifth semester students, KTU. In this training detailed discussion will be done on ready-to-run circuits, working of circuits, list of components, winding of inductors and transformers needed for Power electronics and instrumentation lab experiments. It also includes equivalent circuits, trouble shooting, economical TMS boards, etc for DSP LAB. The course will be concentrating on the lab experiments listed in KTU fifth semester syllabus.

- Impart the Concepts of power electronics circuits using discrete components
- Bring into the light of signal processing TMS 320 series boards and with MATLAB
- Dissemination of Physical Design and Verification concepts

TECHNICAL RESOURCE PERSON

- **Mr.Mohamed Aslam**
- **Mr.Vishnu Dinesh**
- **Mr.Ansal**

(Experts from PACE Academy , Kochi)

ABOUT SIMAT

Our Vision: Strive for excellence in generation and dissemination of knowledge.

SIMAT is a new generation Engineering college promoted by SREEPATHY TRUST with the intention to provide quality technical education. At SIMAT we strive for excellence with the help of a highly qualified and experienced faculty, ably supported by a professional management team, competent support staff, and world class infrastructure which is among the best to be found in institutions of learning. SIMAT students experience an inspired environment quite unlike anything found elsewhere.

ABOUT THE DEPARTMENT

The Electronics & Communication Engineering Department of our college, "SREEPATHY INSTITUTE OF MANAGEMENT & TECHNOLOGY", aims to deepen the knowledge and skills of the students on the basic concepts and theories that will equip them in their professional work involving analysis, systems implementation, operation, production and maintenance of the various applications in the field of Electronics and Communication Engineering

ABOUT PACELAB

PACE is a training centre which provides technical support for various technological areas in electronics, electrical and computer engineering. For the last 15 years of their existence, thousands of students were trained in different facets of engineering education.