

**Three-Day On-site Training
under
Faculty Development Programme
On**

“MATLAB-Signal Processing with Simulink”

(7th -9th February 2018)

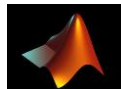
sponsored by



Capricot Technologies, Hyderabad.

Resource Persons:

From



MathWorks, Bangalore, India.

Date : 7-9 February, 2018

Target Group : Faculty Members (Nominate by Capricot Technologies)

Organized by

Department of Electronics & Communication Engineering

**SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)**

Sree Sainath Nagar, Tirupati-517102,



Signal Processing with Simulink

Training Objectives

This three-day course, targeted toward new users of Simulink®, uses basic modeling techniques and tools to demonstrate how to develop Simulink block diagrams for signal processing applications.

Topics include:

- ✓ What is Simulink?
- ✓ Using the Simulink interface
- ✓ Modeling single-channel and multi-channel discrete dynamic systems
- ✓ Implementing sample-based and frame-based processing
- ✓ Modeling mixed-signal (hybrid) systems
- ✓ Developing custom blocks and libraries
- ✓ Modeling condition-based systems
- ✓ Performing spectral analysis with Simulink
- ✓ Integrating filter designs into Simulink
- ✓ Modeling multirate systems
- ✓ Incorporating external code
- ✓ Automating modeling tasks

Prerequisites

MATLAB Fundamentals and basic knowledge of digital signal processing.

Products

- ✓ MATLAB®
- ✓ DSP System Toolbox™
- ✓ Fixed-Point Designer™
- ✓ Simulink