Three-Day On-site Training under Faculty Development Programme on “MATLAB-Signal Processing with Simulink” (7\textsuperscript{th} -9\textsuperscript{th} 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