



SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)

Sree Sainath Nagar, A. Rangampet – 517102

Department of Electronics and Communication Engineering

**A Report on
"Project Based Learning with MATLAB"**

Programme: Faculty Development Programme

Target Group : Faculty & Research Scholars of SVEC

No. of participants : 78

The faculty development program was organized by department of ECE, SVEC for one day on 12th October, 2017. This programme was conducted in three sessions among which one in the Forenoon and Two parallel sessions in the afternoon. two different targeting groups one for Signal Processing Communication group and

Session 1: Forenoon

Details of the Resource person:

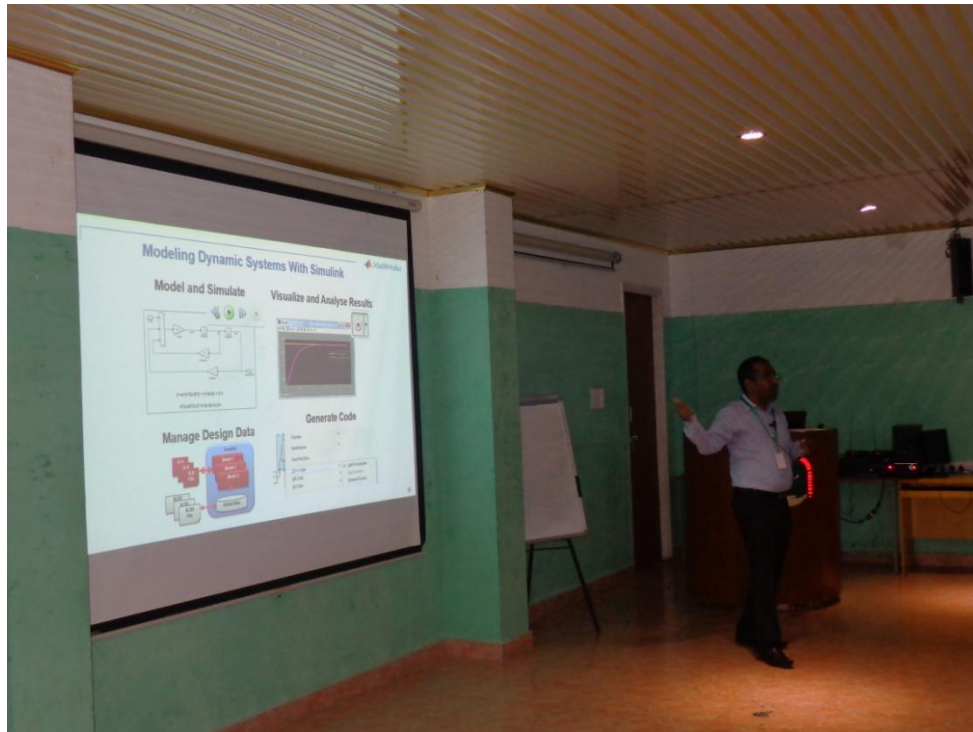
Name of the Technical Person : Naga Chakrapani Pemmaraju

Designation : Sr. Application Engineer

MathWorks India Private Limited

Bangalore

In this session, resource person focused on Engineering Fundamentals using MATLAB programming and simulink. He explain how to develop a project by taking an example of Robot Arm design. He discussed what are the necessary things to be taken into consideration are and how it should be modeled mathematically and how to develop a program based on mathematical model and how a model could develop through simulink.





Session 2 & 3 : Afternoon(Parallel Sessions)

Details of the Resource person: Electrical, Mechanical Engineering and Control System group

Name of the Technical Person : Prasanna Deshpande

Designation : Sr. Application Engineer

MathWorks India Private Limited

Bangalore

In this session, resource person focused on the field of Control Design and Automation. With few real time examples, speaker delivered concepts of modeling Electrical Machines and Power Electronics. How CAD models can be imported into Simulink environment for modelling 3D mechanical systems and also how Simulink module can be Connected with Low Cost Hardware (Arduino, Lego) for project development.



Details of the Resource person: Signal Processing, Communication group

Name of the Technical Person : Jenukuti Prem Kumar

Designation : Product Manager

Capricot Technologies Private Limited

Hyderabad.

In this session, resource person focused in the fields of signal processing, computer vision and communication systems. With few real time examples, speaker delivered how to develop a project simulink module that Enabling Low Cost Hardware,DSP (Raspberry Pi, Kinect etc.,).

