

## **E-MATLAB / MATLAB & SimuLink**

This workshop will cover the image processing toolbox for processing image & videos as well in MATLAB. Different image coordinates and pixel calculation according to their formats would be exposed along with the Simulink & GUI development using MATLAB.

### **Topics to be covered in Workshop**

#### **Introduction to MatLab**

The dominance of MatLab over other languages  
Power of Matrix computations  
The application of Matlab in various fields of engineering

#### **Matlab functions**

Basic mathematical functions offered by Matlab  
Matrix computations

#### **Matlab Modelling**

Advanced mathematical functionalities of matlab  
Advanced system modelling using Matlab

#### **Basic Electrical Circuit Analysis**

Analysis of basic electrical circuits using Matlab  
Obtaining different characteristic plots



## **Introduction to Simulink**

Introduction to Simulink

Applications of simulink in System modelling

Modelling Basic electrical Circuit in Simulink and obtaining characteristic plots.

**Duration:** The duration of this workshop will be two consecutive days, with six hours session each day in a total of twelve hours.

**Eligibility:** It\'s a basic level workshop so there are no prerequisites. Anyone interested, can join this workshop.

**Fee:** Rs. 1200/-(inclusive of all Taxes) per participant.

