



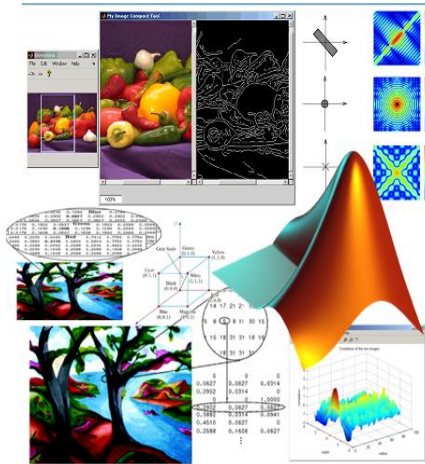
VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

**School of Electrical Engineering
(SELECT)**

Department of Instrumentation Offers

**Value Added Programme
on**

Exploring MATLAB - Simulink



**14, 15, 21 & 22 September 2024
&
5 October 2024**

About Training:

The objective of this course is to familiarize students with image and signal transformation using MATLAB. This involves understanding and implementing various techniques to manipulate, analyze, and enhance images and signals through coding in MATLAB. Students will gain hands-on experience to acquire a solid foundation in digital signal processing and image processing. The course aims to enable students to apply these transformations to real-world problems and develop proficiency in using MATLAB as a tool for signal and image processing.

Who Can Attend?

Only VIT Students [UG students]

Key Benefits:

This course is designed to introduce MATLAB as a powerful tool for visualizing images and signals, allowing users to gain insights into the signal / image characteristics and patterns. Enabling users to apply various techniques such as filtering, enhancement, and noise reduction. Participants gain knowledge on using concepts of pure signal and image processing, making it applicable in various interdisciplinary fields such as computer vision, medical imaging, communications, and control systems.

Last date for Registration:

On or before : 10th September, 2024

Course Fee:

Registration Fee: VIT Student: Rs.200/- (Inclusive of GST)

Certificate and Course Material will be provided.

Course Content:

- *Signal Transformation*
- *Advance Filter Design*
- *Multirate Signal Processing*
- *Image Analysis – Enhancement, Segmentation, Restoration*
- *Data Encryption and Decryption / Steganography*
- *Pattern Recognition*
- *Role of IoT in Signal / Image Processing*
- *Signal Transmission and Reception using Communication Systems*
- *Advanced Digital Communication Technique*
- *Role of Signals in Control & Automation*

Convener:

Prof. Mathew M Noel
Dean, School of Electrical Engineering (SELECT)
Prof. Amutha Prabha N
Associate Dean, School of Electrical Engineering (SELECT)

Co-Convener:

Dr. Rajini G K
HoD, Department of Instrumentation

Coordinators:

Dr. Amutha Prabha N,
Professor
Dr. Abhishek G,
Associate Professor
Dr. Jitendra Kumar Goyal,
Assistant Professor Senior

For Registration contact:

Dr. Jitendra Kumar Goyal
Contact No.: 9910849941

Registration Link:

<https://events.vit.ac.in/>

Event Venue:

TT 433, Technology Tower