



HANDS-ON TRAINING ON MATLAB & SIMULINK FUNDAMENTAL (ONLINE MODE)

organized

by

CIT-TLC

in association with



From

10th March, 2021

To

13th April, 2021

(2 hours/day)

TEACHING LEARNING CENTRE

(Under Pandit Madan Mohan Malaviya National Mission on Teachers & Teaching Scheme,
Dept. of Higher Education, MHRD, GoI)

COIMBATORE INSTITUTE OF TECHNOLOGY

(Government Aided Autonomous Institution)

(Approved by AICTE, New Delhi & Affiliated to Anna University)





ABOUT CIT

Coimbatore Institute of Technology (CIT), Coimbatore, is a Government Aided Autonomous Institution established in the year 1956. The Institute is approved by AICTE, New Delhi, Affiliated to Anna University, Chennai and Accredited by National Board of Accreditation (NBA), New Delhi. The institute has a reputation with service of competent, well-qualified faculty and dynamic management to set highest standards in engineering research and development. Coimbatore Institute of Technology is ranked at 90th place in NIRF Engineering Institutes 2020.

ABOUT CIT - TLC

Coimbatore Institute of Technology has been approved as Teaching Learning Centre (TLC) under the scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), Department of Higher Education, Ministry of Human Resource Development (MHRD) in December 2017. MHRD has sanctioned grant to establish Teaching Learning Centre at Coimbatore Institute of Technology for Raising the Quality of Teaching through training, retraining, refresher and orientation programs in the domains of Academic, Research, and Management (ARM).

COURSE OBJECTIVE

MATLAB FUNDAMENTALS

This course provides a comprehensive introduction to the MATLAB technical computing environment. Themes of data analysis, visualization, modeling, and programming are explored throughout the course. The following topics will be covered in the course duration:

Working with the MATLAB user interface

Analyzing vectors and matrices

Working with data files

Automating commands with scripts

Writing functions

Entering commands and creating variables

Visualizing vector and matrix data

Working with data types

Writing programs with branching and loops



COURSE OBJECTIVE

SIMULINK FUNDAMENTALS

This course is for engineers who are new to system and algorithm modeling and design validation in Simulink. It demonstrates how to apply basic modeling techniques and tools to develop Simulink block diagrams. The following topics will be covered in the course duration:

Creating and modifying Simulink models and simulating system dynamics

Modeling continuous-time, discrete-time, and hybrid systems

Modifying solver settings for simulation accuracy and speed

Building hierarchy into a Simulink model

Creating reusable model components using subsystems, libraries, and

Model references

Prerequisites

Undergraduate-level mathematics and experience with basic computer operations

Mode of delivery & requirement

This program is conducted virtually as live interactive sessions & "LINK" will be shared through email

All participants require a Laptop/ Desktop/ Smartphone with good internet connectivity, functioning Webcam, Microphone and Headphone for attending the course

Target Participants

UG, PG, PhD students and Faculty Members

Course Fee

The course fee is 5000+18% GST per participant



REGISTRATION PROCESS

Course fee can be paid through RTGS/NEFT to the following account:

Account Name	CIT-TLC TP 2019
Account Number	6842996928
Name of the Bank & Branch name	Indian Bank, Peelamedu (CIT Campus)
IFSC Code	IDIB000S107

After payment, register through the following Google form link and upload scanned copy of Counter Foil / Screenshot of the RTGS / NEFT details on or before 03:00 PM of 05th March, 2021

Google Form Link for Registration: <https://forms.gle/9FXj9AozAVao3Poc6>

GENERAL INSTRUCTIONS

Maximum number of participants for this program is limited to 50 on first come first basis

All the instruction to the participants will be communicated through email on or before 06th March, 2021

E-certificate will be provided to those who attend all the sessions and quiz's

Course equivalent: 3 credit course

ORGANIZING COMMITTEE

Chief Patron	Dr.S.R.K.Prasad	Correspondent, CIT Institutions
Patrons	Mr.S.Rajiv Rangasami	Director, CIT Institutions
	Dr.R.Prabhakar	Secretary, CIT Institutions
President	Dr.V.Selladurai	Principal, CIT
Convener	Dr. V. Manikandan	Professor, EEE, CIT

PROGRAM COORDINATORS

Dr. N. Saranya & Dr. M. Vijay, CIT-TLC

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