



**NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL**  
Warangal - 506 004, Telangana

**CENTRE FOR EDUCATIONAL TECHNOLOGY**

**One-Day Online Student Training Program on  
FUNDAMENTALS of MATLAB & SIMULINK  
29.01.2022 (Saturday)**

**Organized by  
Centre for Educational Technology  
In Association with  
Department of Electrical Engineering**

**Coordinators  
Dr. T. Vinay Kumar  
Dr. D. Sreenivasarao**

**Overview of the Training Program:**

Numerical computational and simulation tools play an important role in the Engineering Education. MATLAB is a widely used software package for carrying out numerical computations and analysis. It is the most commonly used scientific and engineering numerical software. MATLAB-Simulink is a graphical programming environment for modeling, simulating and analyzing multidomain dynamical systems.

This program is designed to provide online training to the students on MATLAB and SIMULINK. With corresponding toolboxes, MATLAB SIMULINK is useful for students of different engineering branches.

**Objectives of the Training Program:**

To enable the learner to

- Understand the significance of Computational tools.
- Understand and apply MATLAB as computational tool.
- Apply MATLAB SIMULINK for solving complex models in circuit domain.

**Topics to be covered:**

- Introduction to MATLAB
- Installation of MATLAB & SIMULINK
- MATLAB Basic functions
- Input and output functions, plots
- Loops, functions
- Solving Mathematical functions
- Introduction to SIMULINK
- Circuit Simulations
- Demonstration of MATLAB and SIMULINK applications

**Who can participate:**

The program is open to UG students, PG students and Research scholars of NIT Warangal.

**Registration:** No registration Fee

**How to Apply:** Fill up the following google form and submit it on or before 28.01.2022, 4 PM.

<https://forms.gle/qaCZFopD2X8Bibu29>

The online meeting link and program schedule will be shared by mail to the selected students.

**Centre for Educational Technology NIT Warangal:**

Centre for Educational Technology at NIT Warangal was established in 1987 with an aim of improving instructional methods. Since its inception, the centre has been organizing seminars and short-term training programs in Educational Technology and similar domains to help faculty and students of engineering stream.

**Brief profile of the Department of Electrical Engineering:**

The Department of Electrical Engineering was established as one of the major departments of NITW, in the year 1959. The Department is actively engaged in teaching and research in diverse fields of Electrical Engineering. It offers B.Tech in Electrical & Electronics Engineering, M.Tech program in Power Electronics & Drives and Power Systems and Ph.D program. Department has strong Industry interaction and is involved in various Research & Consultancy projects in coordination with industry, Governments of India, Telangana & Andhra Pradesh.

**For further information contact:**

**Dr. T. Vinay Kumar**

Assistant Professor,  
Department of Electrical Engineering,  
National Institute of Technology, Warangal.  
Telangana State – 506 004. INDIA.

Email: [vinaykumar@nitw.ac.in](mailto:vinaykumar@nitw.ac.in)

Mobile: 8332969296