



Self-sponsored Short-Term Course
on
**Applications of MATLAB in Engineering Sciences and
Research (AMESR-2021)**

Dec. 27-31, 2021
(Online mode)



Sant Longowal Institute of Engineering & Technology
(Deemed to be University, under MoE, Government of India)
Longowal, Sangrur (Punjab) - 148 106, India,

www.sliet.ac.in

Coordinators

Mr. Surinder Kumar, AP (ME), SLIET Longowal
Dr. Harish Kumar Arya, AP (ME), SLIET Longowal

Introduction:

MATLAB is a comprehensive tool that plays a vital role in the scientific research and engineering applications by addressing the various aspects like simulation, programming, analysis etc. The flexibility of the MATLAB lies in its support to the GUI as well as user defined coding. In this modern scientific era, it is a torchbearer to the worldwide scientific community. This course is design to enhance the programming, simulation capabilities of the participants in various domain of science and engineering.

Objectives:

The main objective of the course is to introduce the concepts of MATLAB programming to the budding researchers in the field of Engineering and Sciences. This will enable them to handle wide variety of problems in industries as well as in the field of research. Interdisciplinary in nature, the course will also enrich participants with necessary in puts in all the areas with theoretical as well as practical knowledge.

Contents:

The STTP is focused on discussing various aspects of MATLAB and its applications. Tentative list of topics that will be covered in this program includes:

- MATLAB and its features
- Working with arrays of numbers
- Plots in MATLAB
- Programming
- Applications of MATLAB Toolboxes
- Developments of apps using MATLAB

Resource Persons:

Expert faculty members of SLIET Longowal and IITs/NITs will conduct the theory and practical sessions of the online program.

Who can participate?

Any undergraduate/diploma student/ working professional/ industry people with.

- Engineering/Sciences students
- Professionals working in Industry.
- Research students
- Teaching professionals & faculties.

How to Apply:

The interested persons from academia and Industry professional are required to register themselves on or before Dec. 24, 2021, through

https://docs.google.com/forms/d/e/1FAIpQLSewgr9YZ2aEHraosdTugWy6nMLLSjAejCqFblgPvQEq6unXiA/viewform?usp=pp_url

Course fee/Registration Fee:

Nominal registration fee of Rs. 250/- will be charged from all the participants. Fee will be accepted through UPI/Internet banking.

Important Dates:

- Last date for registration : **Dec. 24, 2021**
- Finalization of a list of selected participants : **Dec. 25, 2021**

Organizing Committee:

Patrons: Prof. Shailendra Jain, Director, SLIET Longowal

Chairman: Prof. A.S.Shahi, HOD (ME), SLIET Longowal

Conveners: Prof. Pardeep Gupta, SLIET Longowal

Prof. Rajesh Kumar, SLIET Longowal

Coordinators: Mr. Surinder Kumar, SLIET Longowal

Dr. Harish Kumar Arya, SLIET Longowal

Details for payment of registration fee:

Account Name: AMESR2021

Account No.: 5168101490

IFSC code: CBIN0283105

Bank Name: Central Bank of India

Contact us:

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