

## SHORT TERM CERTIFICATE COURSE FOR MATLAB PROGRAMMING

### OBJECTIVE

The Certificate Program on MATLAB Fundamentals will enable Electronics graduates/post graduates/Final year/Pre-final Year graduates or working engineers in electronic industries to provides a comprehensive introduction to the MATLAB technical computing environment. The main objectives are:

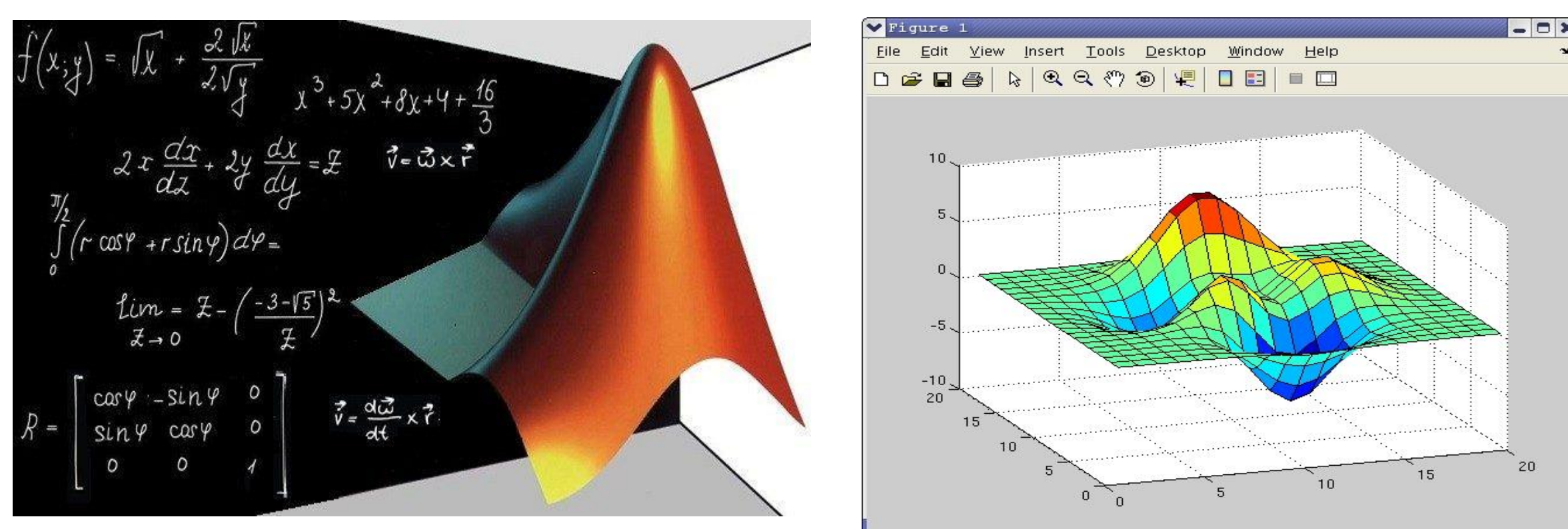
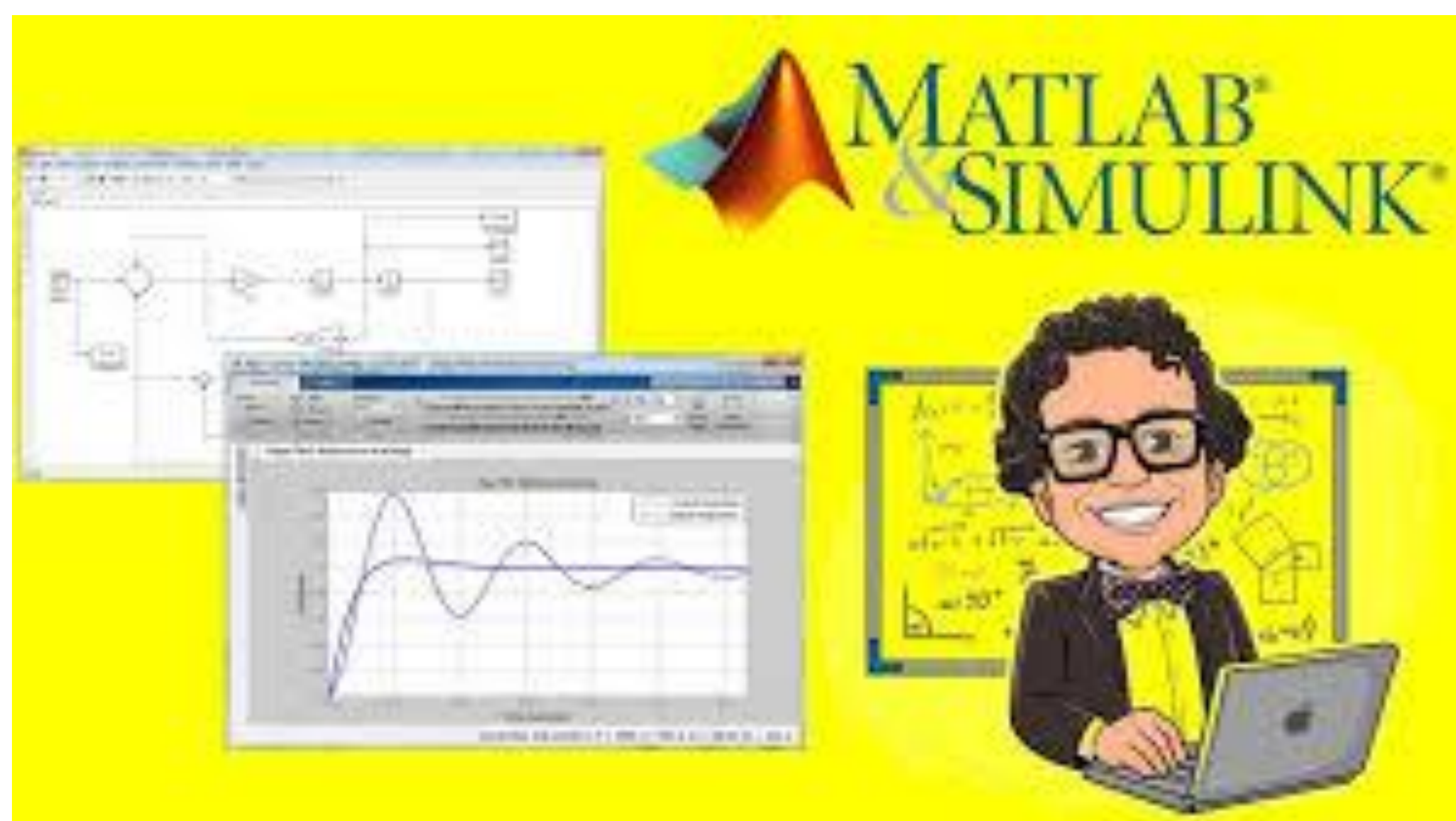
- understanding the MATLAB environment
- being able to do simple calculations using MATLAB
- being able to carry out simple numerical computations and analyses using MATLAB

### ELIGIBILITY

Diploma, BE / B.Tech., ME / M.Tech., BCA / MCA, M.Sc./ B.Sc in (IT/CS/Electronics/Electrical/Instrumentation) or equivalent of any of these.

### DURATION

Duration: 2 Weeks (3 Hours/Day).



| Sr. No. | Course Content                                 |
|---------|------------------------------------------------|
| 1       | Introduction to MATLAB                         |
| 2       | Arithmetic Operations                          |
| 3       | MATLAB Graphs                                  |
| 4       | MATLAB Graphics                                |
| 5       | MATLAB Algebra                                 |
| 6       | MATLAB Polynomials                             |
| 7       | MATLAB DATA Types                              |
| 8       | Logical Operations using MATLAB                |
| 9       | Generation of Signals                          |
| 10      | Sampling Theorem                               |
| 11      | Test Signals                                   |
| 12      | Introduction to Image Processing               |
| 13      | Image Arithmetic with examples                 |
| 14      | Image Geometry                                 |
| 15      | Optical Illusion                               |
| 16      | Introduction to GUI                            |
| 17      | Solving quadratic equation by Graphical Method |
| 18      | Pop up menu Example                            |
| 19      | Image conversion                               |
| 20      | Mini project                                   |

### Certificate

Certificate will be provided to the participants, based on minimum 75% attendance and on performance (minimum 50% marks) in the online test, conducted at the end of the course.

**Training Calendar:**  
*Expected Date of Batch starts from 15<sup>th</sup> July 2021*

### Registration and Fee Details:

Registration Fees/ Course fee is



**Rs. 2,000/-**

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\*Course will be delivered in Online Mode.

### Bank Account Details: -

| Name            | NIELIT AURANGABAD   |
|-----------------|---------------------|
| Bank Name:      | Bank of Maharashtra |
| IFSC Code:      | MAHB0000152         |
| Account Number: | 20060526862         |
| Branch:         | University Branch   |

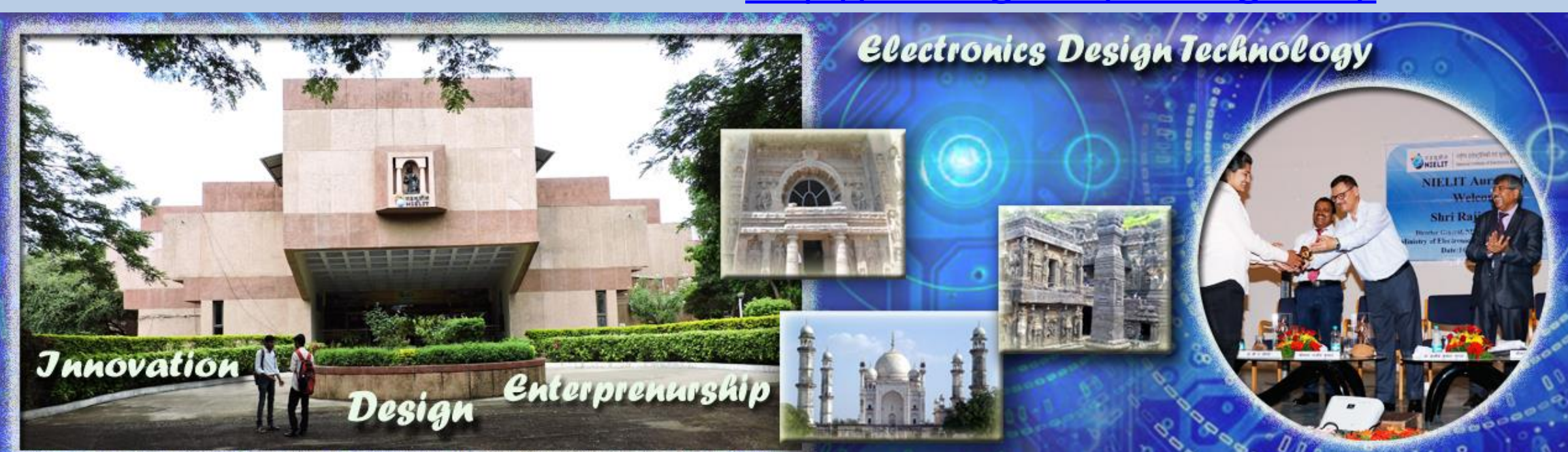
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Website: <http://nielit.gov.in/aurangabad/>



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For  
Registration