

ONE WEEK PROGRAMME ON “PROGRAMMING IN MATLAB AND SIMULINK FOR ENGINEERS”

When:

July 6-10, 2026

Time:

Theory: 10:00 AM to 1:00 PM

Break: 1:00 PM to 1:30 PM

Hands-on Session: 1:30 PM to 4:30 PM

Where:

**SCIENTIFIC COMPUTING LAB (Room No. 632), EEE DEPT.
MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY
DELHI, INDIA**

The Department of Electrical and Electronics Engineering, Maharaja Agrasen Institute of Technology organized a ONE WEEK PROGRAMME on “PROGRAMMING IN MATLAB AND SIMULINK FOR ENGINEERS” on July 6-10, 2026 of 30 hours duration. The inaugural function will commence at 9.30 am to 10:00 am in SCIENTIFIC COMPUTING LAB (Room No. 632). The meeting will be formally welcomed by Dr. Monika Gupta, Head of the Department/EEE. Around 30 students of 4 SEMESTER as participants will be registered for the programme.

Note: Hands-on Session will be conducted on all the 5 days.

MATLAB MODULE

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| 1. Tutorial lessons 1 | (July 6, 2026) | 6 Hrs |
| <ul style="list-style-type: none">● Basic of MATLAB● Basic Syntax and Command-Line Exercise● Array and Matrix Operations● Basic plotting | | |
| 2. Tutorial lessons 2 | (July 7, 2026) | 6 Hrs |
| <ul style="list-style-type: none">● M-File Scripts● M-File functions● Debugging M-files● Control flow and operators | | |
| 3. Tutorial lessons 3 | (July 8, 2026) | 6 Hrs |
| <ul style="list-style-type: none">● Loop Construct● Basic Array Syntax and Manipulation● Relational and Logical Operations | | |
| 4. Tutorial lessons 4 | (July 9, 2026) | 6 Hrs |
| <ul style="list-style-type: none">● Polynomials● User Defined Functions● Simulink Basics● Models | | |
| 5. Tutorial lessons 5 | (July 10, 2026) | 6 Hrs |
| <ul style="list-style-type: none">● Transfer Function● Simple Controller | | |
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- Useful Youtube links: www.youtube.com/watch?v=O41BWhXFu8E
 - www.youtube.com/watch?v=83S48Fs9WhY
 - Useful Books:
 1. Getting Started with MATLAB by Rudra Pratap, Oxford University Press Practical MATLAB-Basics for Engineers, CRC Press, Misza Kalechman
 2. MATLAB and SIMULINK for engineers by Agam Kumar Tyagi, Oxford University Press
 - Useful Website: www.mathworks.com