

Value Aided Course

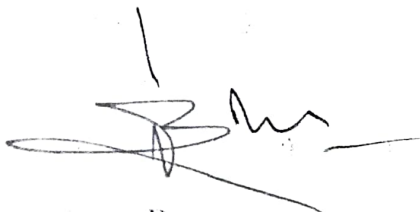
MAT LAB Applications in Electrical and Electronics Engineering

Course Offered To:- B.Tech. (EE/EC)

Course Duration:- 36 Hr.

Matlab Programming is an easy and understandable programming language and is an excellent choice for those who want to learn to program for the first time. Engineering companies often use Matlab to prototype and validate their ideas before committing to building it with other programs like Java, Python, C, and C++. Knowing Matlab will give you a competitive advantage in your career. This course is being updated continuously and new materials are added to the library every week. Below is a short summary of what the course contents are but there are many more examples and downloadable materials also provided in these lectures.


- Chapter 1: An Introduction to Course & All Resources
- Chapter 2: An Introduction to Matlab Software
- Chapter 3: Introduction to Mathematics in Matlab
- Chapter 4: Working with Variables in Matlab environment
- Chapter 5: Trigonometric Functions in Matlab
- Chapter 6: Complex Numbers in Matlab
- Chapter 7: Working with Vectors in Matlab
- Chapter 8: Working with Matrices in Matlab
- Chapter 9: Introduction to Calculus and Engineering Functions in Matlab
- Chapter 10: Graphs and Plotting in Matlab
- Chapter 11: Loops, Conditions, and Intro to Programming in Matlab
- Chapter 12: Projects (Updates Weekly with new programming drills)
- Chapter 13: Import Data from Excel to Matlab
- Chapter 14: Bonus Materials for the Course
- Chapter 15: Intermediate & Advanced Topics in Matlab
- Chapter 16: Data Types and Data Structures in Matlab
- Chapter 17: Working with Files in Matlab Environment
- Chapter 18: Matrices in Matlab (Intermediate Topics)
- Chapter 19: Scripts, Functions & M-Files in Matlab
- Chapter 20: Advanced Plotting Techniques in Matlab
- Chapter 21: Creating Functions and Workflows in Matlab
- Chapter 22: Logical Statements & Operations in Matlab
- Chapter 23: Additional Matlab Projects (intermediate - Advanced Levels)
- Chapter 24: Next Steps and Additional Resources, Certifications and Benefits



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Department of Electrical Engineering

16Aug 2021

CIRCULAR

VALUE ADDED COURSE (MAT LAB applications in Electrical and Electronics Engineering) - B.Tech. EE/EC

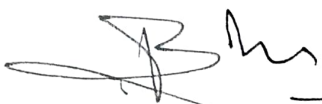
Students of B.Tech. (EE/EC) all years are hereby informed that value added course "MAT LAB applications in Electrical and Electronics Engineering" is scheduled from 1 September 2021 in your respective classroom, Academic Block-II.

Schedule:


- Time Slot: 03:00 PM to 05:00 PM
- Key Speaker: Dr. Yogesh Vijay Hote
- Duration: 2 hrs

Program Overview:

The objective of the program is to introduce the basic concept of MATLAB. and its applications, challenges and its importance. to enable the students how to approach for solving the engineering problems using MATLAB simulation. .


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(HOD)


VALUE ADDED COURSE

(MATLAB Applications in Electrical and
Electronics Engineering).



PROGRAM OVERVIEW:

- The objective of the program is to introduce the basic concept of MATLAB and its applications challenges and its importance to enable the students how to approach for solving the engineering problems using MATLAB simulation.


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VALUE ADDED COURSE (MATLAB Applications in Electrical and Electronics Engineering).



Organized by:-
Department of Electrical
Engineering

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Program - B.TECH.



03:00 PM TO 05:00 PM

1 SEPT 2021 – 30 OCT 2021



HOD:
MR. MON PRAKASH UPADHYAY

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KEY SPEAKER:-
DR. Yogesh Vijay
[Signature]