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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Faculty of Engineering & Technology
Invertis University

Bareilly-243123, UP

Registrar Invertis University Bareilly Head
Department of ECE/EE
Invertis University
Bareilly-243123, UP



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 PMKey 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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Department of ECE/EF Mr. Mon PYSR as No padding ay Bareilly-243123, UP (HOD)



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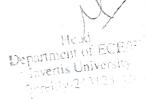
(MATLAB Applications in Electrical and Electronics Engineering).



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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Bareilly-243123, UP Bernitty 243123, UP

Program B.TECH.

03:00 PM TO 05:00 PM

1 SEPT 2021 - 30 OCT 2021

HOD:

MR. MON PRAKASH UPADHYAY

Department of ECE/LINEAR University

KEY SPEAKER:
DR. Yogesh ViiaV +

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Head ECE/EE
Department of ECE/EE
Invertis University
Barcilly-243123, UP



CERTIFICATE OF VALUE ADDED COURSE

during1864150ct_2021	offered by Department ofElectrical_Engineering.	1 the in Electronics Engineering	for successfully completing a value added course MATLAB	of Program 8. Tech (Electrical Engineering Year/Semester W	This Certificate is awarded to Mr./MsTeimedeaYeles
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Head of the Department

Course Coordinator

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CERTIFICATE OF VALUE ADDED COURSE

for successfully completing a value added course MATLAB Applications in Electrical and Electronics Engineering offered by Department of Electronical Engineering. during __1 = 4 = 0ct_ 2021 of Program_8_TECH (Electrical Expinering Year/Semester 11) This Certificate is awarded to Mr./Ms. _Pausar_ Realed Legles

Head of the Department

Course Coordinator

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CERTIFICATE OF VALUE ADDED COURSE

	Head of the Department	during 186415 oct 2021	offered by Department of Electrical - Engineering	ARRIVATIONS in Electrical and Electronics Engineering	for successfully completing a value added course M	of Program R. Joh, (Elentrical Engineering	This Certificate is awarded to Mr./Ms. 1946-1926-166-	
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during _186f-150cf 2024	Applications in Electron and Electronics Engline in the Control of Challes of	for successfully completing a value added course MATLAB	of Program 8. Leh [Elechal Engineering, Year/Semester IV	This Certificate is awarded to Mr./Ms
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Head of the Department

Course Coordinator

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Faculty of Engineering & Technology Invertis University
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. __\left\(\frac{1}{2} \) of Program & Teck (Electrical_Brings) Year/Semester __TV_ Applications_in_Electronics__ond_Electrical_Engineering___ during _1 34b_-150cl 2024. for successfully completing a Value added course MATLAG offered by Department of __Electrical__Engineeding

Head of the Department

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during 1 3.68-15 oct 2021	offered by Department of Plentical Engineesing (1)	HEblications on Electrical and Electronics Engineering	\vdash	Of Program B. Jed. (Elachial Englisestry) Year/Semester	This Certificate is awarded to Mr./MsRilerden_Ringle
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Head of the Department

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Head of the Department

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during 1862 = 15 oct 2022	offered by Department of _ Electrical _ Engline entry	Aprille lens in Electronic Electronics _ Engineering	for successfully completing a value added course Mariae	of Program 8. John (Electron) Engineering) Year/Semester - IV	This Certificate is awarded to Mr./Ms\safal_&axena
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Head of the Department

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during 13eft = 15 oct 2021	offered by Department ofElectrical_Engineering,	Applications in Electrical and Electronics Engineering	for successfully completing a value added course MATIEB	of Program 8. Jeck (Electrical Electrical SemesterTV	This Certificate is awarded to Mr./MsNeha_\Tabbeel
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Head of the Department

Course Coordinator

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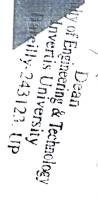
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Head of the Department

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during 1 sept - 150ct 2021 Applications_in_Electrical_and_Electronics_Engineering of Program B. Tech (Electrical Engineering) Year/Semester _ IV______ for successfully completing a value added course Matles. offered by Department of __Electron_Englishership

Head of the Department

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Head of the Department	during _1 & pt = 15_ Oct_2012	offered by Department of _ Electrical _ Expline willing	101 Successing Control and Electropics Engineering.	for successfully completing a value added course MATLAB.	of Drogram 0 to 1 (Challen), Christophi	This Contificate is awarded to	
Course Coordinator		chical - Engineering	Electronics Englineesling	Value added course MATLAB	m) Year/Semester <u>W</u>	This Contificate is awarded to Mr./Ms. Huse Kumenz Barene	

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during 1.341-1501 2021 0 0	offered by Department of	Abblications in Electrical and Electrical Ephinose Ephinosering	for successfully completing a value added course Matlas	of Program B. Tel. (Eleshal Engliseering) Year/Semester W	This Certificate is awarded to Mr./Ms\Suyash_Lgauec
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Head of the Department

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1- Electronica - Engineering	Applications in Electrical and Electronics Engineering
for successfully completing a value added course Matlag	for successfully completif
unesung)_Year/SemesterII	of Program L. Lechical Employed Year/Semester
to Mr./Ms Darsha Locke	This Certificate is awarded to Mr./MsDarsla_Loglab.

Head of the Department

Course Coordinator

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CERTIFICATE OF VALUE ADDED COURSE

offered by Department of _Electrical_Engineering	Tor successfully completing a value added course MATCHE	of Program B. Tech (Electron) Engineering) Year/Semester III	This Certificate is awarded to Mr./Ms
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Head of the Department/

Course Coordinator

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CERTIFICATE OF VALUE ADDED COURSE

during 18eft-15oct 2021	offered by Department of _Electrical_Engineering,	Addition from the Electrical and Electronics Engineering.	for successfully completing a value added course Mariae	of Program B. Tech (Electrical Engineering) Year/Semester _ III	This Certificate is awarded to Mr./Ms Mkstex_ Kogae
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Head of the Department

Course Coordinator

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CERTIFICATE OF VALUE ADDED COURSE

offered by Department of __Electron__Engineering,__ during _1 36 pt _- 15 oct _ 2021 of Program_**8.** Teb_[Electrical_Engineering] Year/Semester __班____ for successfully completing a value added course MAJLAS This Certificate is awarded to Mr./Ms. __Bakhak__Bughz_Bughas

Head of the Department/

Course Coordinator

Faculty of Engineering & Technology Invertis University Bareilly-243123, UP

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CERTIFICATE OF VALUE ADDED COURSE

during 1 30 ft - 15 30 2021 U 01	offered by Department of _Electronics_Engineering	Abblications on Electronal and Electronics Engineering	for successfully completing a value added course Mathes	of Program B. Tol. (Electrol) - Engineering) Year/Semester	This Certificate is awarded to Mr./Ms
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Head of the Department

Course Coordinator

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CERTIFICATE OF VALUE ADDED COURSE

Applications in Electrical and Electronics Expineering This Certificate is awarded to Mr./Ms. __Kayar__ & Logher_____ of Program B. Leh (Elechral Engliseer) Year/Semester ___II_____ for successfully completing a value added course __MATLES during _18eft = 15 oct 2021

Head of the Department

Course Coordinator

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Faculty of Engineering & Technology Bareilly-243123, UP Invertis University

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CERTIFICATE OF VALUE ADDED COURSE

Offered by Department of	Bullations in Electrical and Electronics Engineering,	for successfully completing a value added course Mathae.	of Program B. Ich (Electrical Engineering Year/Semester II	This Certificate is awarded to Mr./Ms & Lashauk
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Head of the Department

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CERTIFICATE OF VALUE ADDED COURSE

Applications __ th_ Electrical __ and _ Electronics _ Engineering ___ offered by Department of __ Electronic _ Engineering _ during _1348t_-150ct_2021 for successfully completing a Value added course Merche of Program B. Tech (Electron) Explication Year/Semester _III

Head of the Department

Course Coordinator

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CERTIFICATE OF VALUE ADDED COURSE

during 4 sold - 45 oct 2021	offered by Department of Electron Engineer	Applications in Electrical and E	for successfully completing a value added cours	of Program B. Jack (Electrical Englineering) Year/Semester_	This Certificate is awarded to Mr./MsFalzare_\$lane_
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Head of the Department

Course Coordinator

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CERTIFICATE OF VALUE ADDED COURSE

Head of the Department	during 129t150st 2021	offered by Department ofElectrical_Engineering_	for successfully completing a value added course MAILES.	of Program B. Took (Electrical Engineers)	This Contificate is awarded to Mr./MsMadell_Length_
Course Coordinator		lechal Engineewing	a Value added course Mailes	(Ing.) Year/Semester	Mr./MsMsedul_Lingh

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CERTIFICATE OF VALUE ADDED COURSE

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Head of the Department

Course Coordinator

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