

SCHOOL OF ELECTRICAL ENGINEERING

Value Added Courses (2021-2022)

Introduction to Programming with MATLAB

Course Objective

MATLAB is a high-performance language for technical computing. It integrates computation, visualization, and programming environment. These factors make MATLAB an excellent tool for teaching and research. MATLAB has many advantages compared to conventional computer languages (e.g., C, FORTRAN) for solving technical problems. MATLAB is an interactive system whose basic data element is an array that does not require dimensioning. The software package has been commercially available since 1984 and is now considered as a standard tool at most universities and industries worldwide.

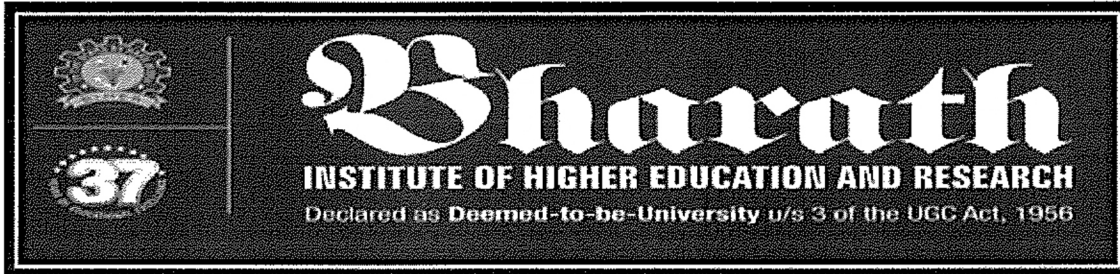
Resource Persons :

- 1.Mr.B.Karthik
- 2.Ms.S.ArulSelvi
- 3.Ms.S.Philomina

Convener

Dr.M.Sundararajan

HOD/ECE



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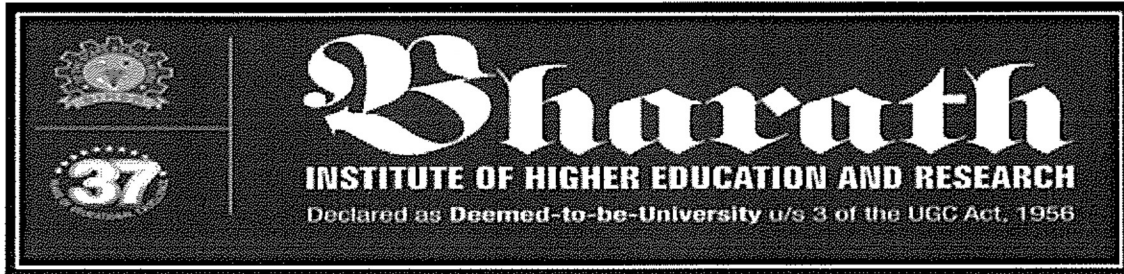
Introduction to Programming with MATLAB

SCHEDULE

Contact Hours : 31hrs

DATE	SESSION	Contact Hours	TOPICS	Resource person
12-05-2022	FN	9.00 am to 12.30 pm	Introduction to MATLAB Software MATLAB window Command window Workspace Command history Setting directory Working with the MATLAB user interface	Ms.S.ArulSelvi
	AN	1.30 pm to 4 pm	Character and string Arrays and vectors Column vectors Row vectors	Ms.S.Philomina
15-05-2022	FN	9.00 am to 12.30 pm	BODMAS Rules Arithmetic operations Operators and special characters Mathematical and logical operators Solving arithmetic equations	Ms.S.ArulSelvi
	AN	1.30 pm to 4 pm	Crating rows and columns Matrix Matrix operations Finding transpose, determinant and inverse Solving matrix	Mr.B.Karthik
16-05-2022	FN	9.00 am to 12.30 pm	Trigonometric functions Complex numbers fractions Real numbers Complex numbers	Ms.S.Philomina
	AN	1.30 pm to 4 pm	Working with script tools Writing Script file	Mr.B.Karthik

			<p>Executing script files The MATLAB Editor Saving m files</p>	
17-05-2022	FN	9.00 am to 12.30 pm	<p>Plotting vector and matrix data Plot labelling, curve labelling and editing</p>	Ms.S.ArulSelvi
	AN	1.30 pm to 4 pm	<p>Basic Plotting Functions Creating a Plot Plotting Multiple Data Sets in One Graph Specifying Line Styles and Colors Graphing Imaginary and Complex Data Figure Windows Displaying Multiple Plots in One Figure</p>	Ms.S.Philomina
18-05-2022	FN	9.00 am to 12.30 pm	<p>Creating Mesh and Surface About Mesh and Surface Visualizing Subplots</p>	Mr.B.Karthik
	AN	1.30 pm to 5 pm	<p>Introduction Of Simulink Simulink Environment & Interface Study of Library Circuit Oriented Design Equation Oriented Design</p>	Ms.S.Philomina



CIRCULAR

SCHOOL OF ELECTRICAL ENGINEERING

Date: 12.04.2022

The course on **Introduction to Programming with MATLAB** is planned by School of Electrical Engineering which commences on 12-05-2022. In this regard the students are requested to give their willingness to Course Coordinator. It is instructed to actively participate and get benefitted for the certified course.

Course Coordinator: G.Kanagavalli
Contact No: 9551485989
Email id : kanagavalli.ece@bharathuniv.ac.in

(Dr.M.Sundararajan)
HOD/ECE

To,
Copy to ECE Department,
Copy to EEE Department,
Department Notice Board

VALUE ADDED COURSE
SCHOOL OF ELECTRICAL ENGINEERING
Introduction to Programming with MATLAB

List Of Participants

Date:12.05.2022

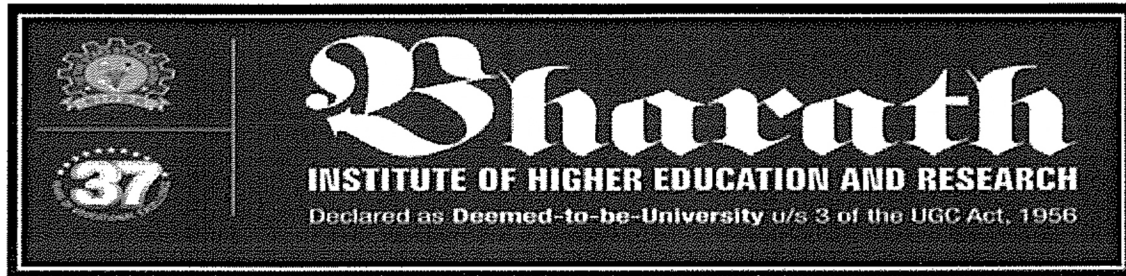
Sl.no	REG.NO	NAME OF THE CANDIDATE
1	U13EC001	ABINAYA P
2	U13EC002	AKHIRUL ISLAM
3	U13EC004	ANGEL M
4	U13EC005	ANJALI KUMARI
5	U13EC009	ASHVATHAMAN K
6	U13EC010	BABLOO KUMAR
7	U13EC011	BALRAM YADAV
8	U13EC012	CLIFFORD JOSEPH A
9	U13EC013	DAMODARAN M
10	U13EC015	DEEPAN R
11	U13EC016	DEEPSHIKHA KUMARI
12	U13EC017	DEVENDRA PRIYANKA SUNDER
13	U13EC019	G RAHUL REDDY
14	U13EC020	ISWARYA S
15	U13EC023	KUMARI PRIYANKA
16	U13EC024	MD ANIS
17	U13EC025	MURALITHARAN N

18	U13EC027	NADAR PAVITRA KESHAVAN
19	U13EC028	NAVEEN KANNAN N
20	U13EC030	P PRAVEEN
21	U13EC031	PRAVEEN KUMAR V
22	U13EC033	RAKESH V
23	U13EC034	RAMYA S
24	U13EC035	RAVIKANT SINGH
25	U13EC036	SAGNATI VAISHNU VERMA RAJU
26	U13EC041	THIYAGARAJAN V
27	U13EC042	UTTAM KUMAR
28	U13EE031	RAMENDRA SHRIWASTAV
29	U13EE032	RAVI RANJAN KUMAR
30	U13EE033	ROHIT KUMAR



(Dr.M.Sundararajan)

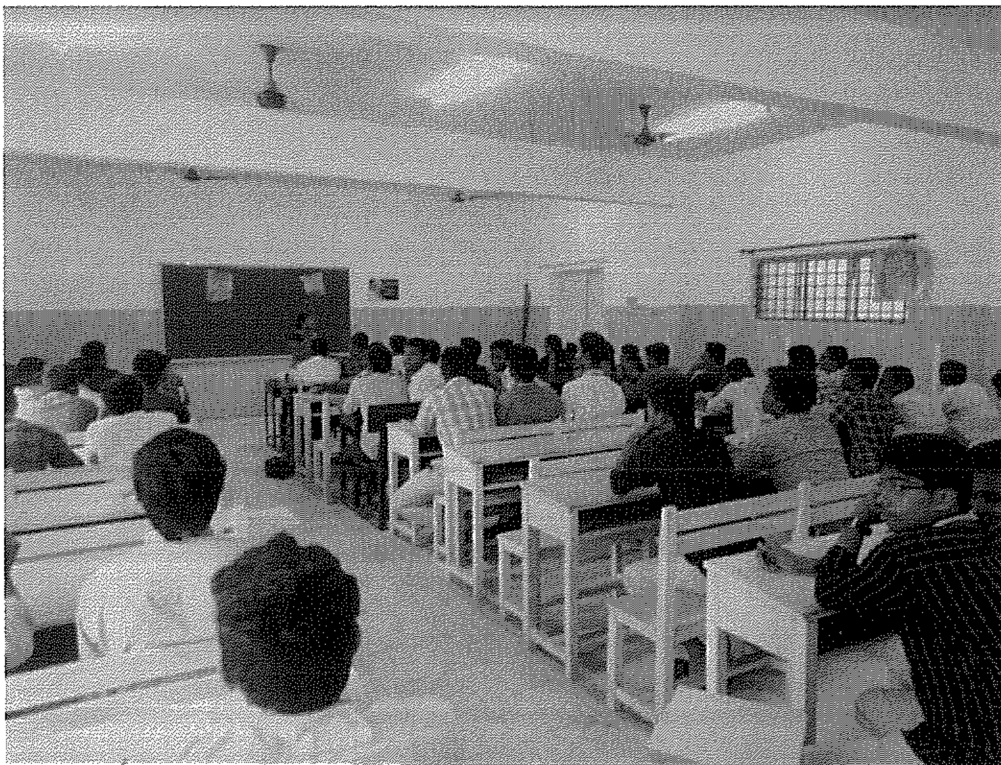
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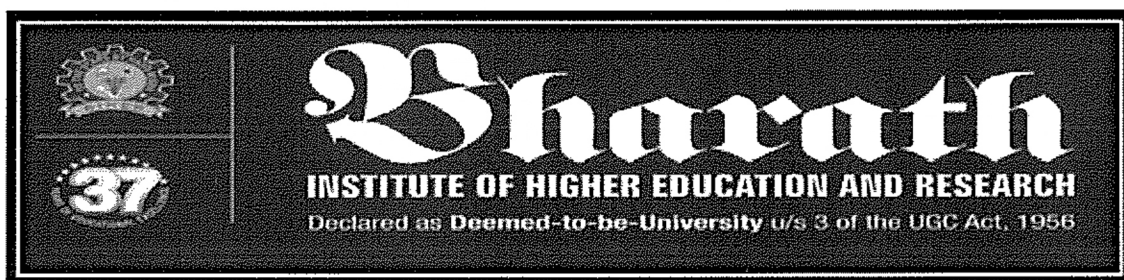


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Course on Introduction to Programming with MATLAB

dated on 12.05.2022 conducted by School of Electrical Engineering





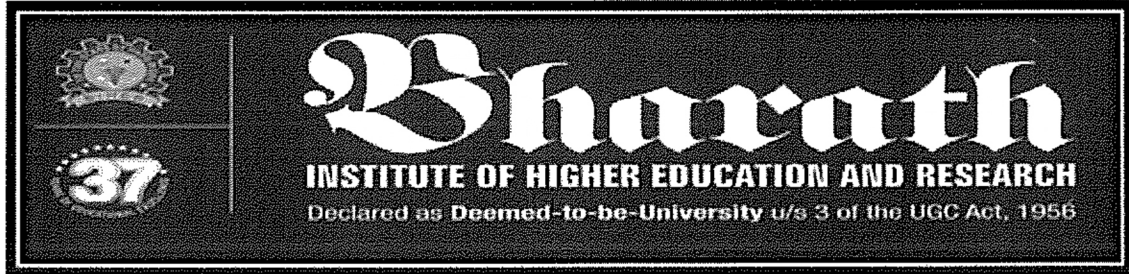
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VALUE ADDED COURSE

Introduction to Programming with MATLAB

FEED BACK FORM		Date: 18.05.2022			
Name	Ramya. S.				
Register number	013EC034.				
Phonenumber	7149135165				
Email address	ramya.k@gmail.com				
	Poor	Fair	Good	Very Good	Excellent
Overall Program				✓	
The Speaker					✓
Audio, Visual Aids Technology used				✓	
Presentation hand outs		✓	✓		


 Student Signature

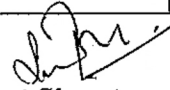


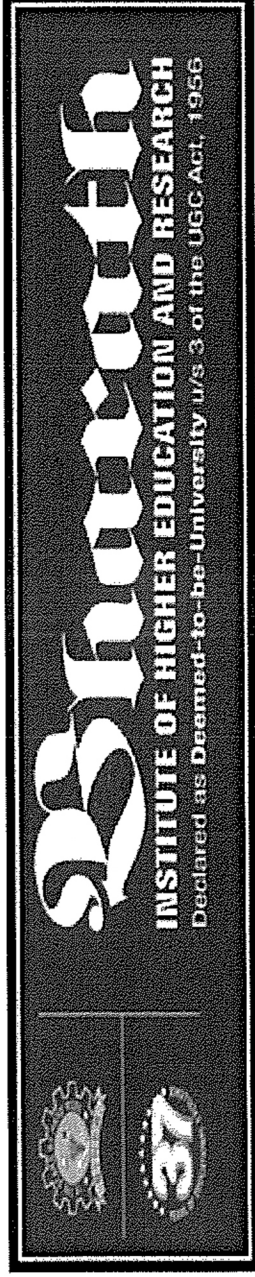
SCHOOL OF ELECTRICAL ENGINEERING

VALUE ADDED COURSE

Introduction to Programming with MATLAB

FEED BACK FORM		Date: 18.05.2022			
Name	ROHIT KUMAR -				
Register number	U13EE033 .				
Phonenumber	09176415703 ,				
Email address	roshanSan1239@yahoo.com				
	Poor	Fair	Good	Very Good	Excellent
Overall Program				✓	
TheSpeaker			✓		
Audio, Visual Aids Technology used				✓	
Presentation hand outs			✓		✓


 Student Signature



SCHOOL OF ELECTRICAL ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms..... **RAVIKANT(U13EC035)**

has attended Value added Course on "Introduction to Programming with **MATLAB** " Organized by the school of Electrical Engineering, BIHER conducted from 12-05-2022 to 18-05-2022.

Kant
Ms. G.KANAGAVALLI
COURSE COORDINATOR

Heard
Dr. M. SUNDARARAJAN
CONVENOR