

SCHOOL OF ELECTRICAL ENGINEERING

Value Added Courses (2021 -2022)

Introduction to MATLAB and Engineering Applications

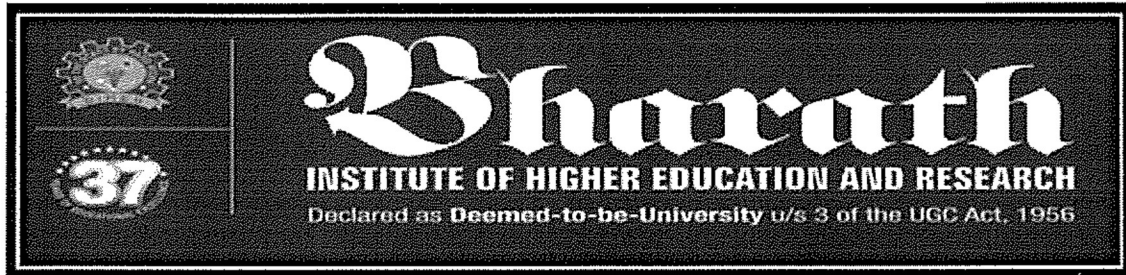
Course Objective

MATLAB is a high-performance language for technical computing. It integrates computation, visualization, and programming environment. MATLAB is widely-used in many different fields of engineering and science, and provides an interactive environment for algorithm development, data visualization, data analysis, and numerical computation. Furthermore, MATLAB is a modern programming language environment, it has sophisticated data structures, contains built-in editing and debugging tools, and supports object-oriented programming. These factors make MATLAB an excellent tool for teaching and research. MATLAB is an interactive system whose basic data element is an array that does not require dimensioning. MATLAB is widely used in different areas of applied mathematics, in education and research and in numerous industries. This software finds its wide applications in different domains of engineering. It is used for designing more efficient devices that are smaller in size and can integrate wireless communication, to examine and simulate momentary phenomena in power systems. 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. Ms. M. Jasmin
2. Mr. B. Karthik
3. Ms. S. Philomina

Convener
Dr. M. Sundararajan
HOD/ECE



CIRCULAR

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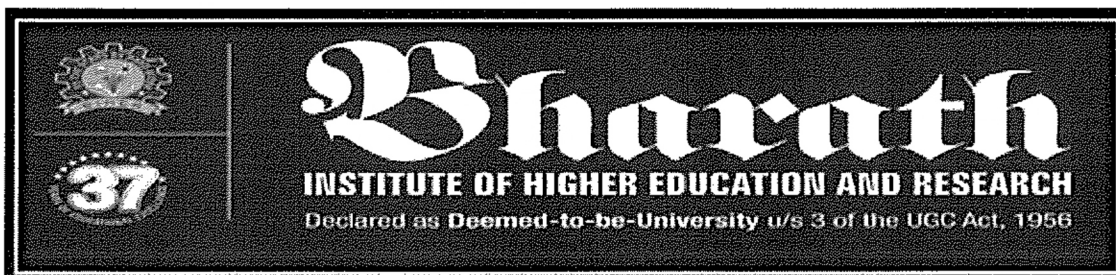
Date: 21.11.2021

The course on Introduction to MATLAB and Engineering Applications is planned by School of Electrical Engineering which commences on 12-12-2021. 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: Ms. G. Kanagavalli
Contact No: 9551485989
Email id : kanagavalli.ece@bharathuiv.in

(Dr.M.Sundararajan)
HOD/ECE

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



SCHOOL OF ELECTRICAL ENGINEERING

Introduction to MATLAB and Engineering Applications

SCHEDULE

Contact Hours : 31hrs

DATE	SESSION	Contact Hours	TOPICS	Resource person
12-12-2021	FN	9.00 am to 12.30 pm	Introduction to MATLAB Software	Mr. B. Karthik
	AN	1.30 pm to 4 pm	Problem solving methodologies using MATLAB	Ms.S.Philomina
13-12-2021	FN	9.00 am to 12.30 pm	Numeric, Cell and Structure arrays Polynomial operations using arrays	Ms.M.Jasmin
	AN	1.30 pm to 4 pm	Program design and development with MATLAB Logical Operators and Functions, Conditional Statements Debugging MATLAB programs	Mr. B. Karthik
14-12-2021	FN	9.00 am to 12.30 pm	xy Plotting functions Interactive plotting in MATLAB	Ms.S.Philomina
	AN	1.30 pm to 4 pm	The MATLAB Editor Saving m files	Ms.M.Jasmin
15-12-2021	FN	9.00 am to 12.30 pm	Function Discovery Regression Basic Fitting Interface	Mr. B. Karthik
	AN	1.30 pm to 4 pm	Basic Plotting Functions Plotting and displaying Multiple Data Sets in One Graph	Ms.S.Philomina
16-12-2021	FN	9.00 am to 12.30 pm	Creating Mesh and Surface About Mesh and Surface Visualizing Subplots	Ms.M.Jasmin
	AN	1.30 pm to 5 pm	Introduction Of Simulink Simulink Environment & Interface Linear state –Variable models Nonlinear state- Variable models Piecewise linear Models	Ms.S.Philomina

VALUE ADDED COURSE
SCHOOL OF ELECTRICAL ENGINEERING

Introduction to MATLAB and Engineering Applications

List Of Participants

Date:12.12.2021

Sl.no	REG.NO	NAME OF THE CANDIDATE
1	U12EC002	AMARAVATHI S
2	U12EC003	AMIT KUMAR
3	U12EC005	ARSHIYA MIZBA
4	U12EC006	AVANI RANJAN
5	U12EC008	BLESSNI VASANTHA N S
6	U12EC009	BODDU KOUSIK REDDY
7	U12EC012	DHAMODARAN N
8	U12EC013	DHINESHKUMAR N
9	U12EC018	JEBIN SAM B
10	U12EC020	KAVITHA S
11	U12EC021	KUMAR GAURAV
12	U12EC022	KUMARI AYAGAT
13	U12EC024	KURAPATI SRIHARIREDDY
14	U12EC027	MANAB JYOTI BARUAH
15	U12EC028	MANIRATNAM KUMAR
16	U12EC030	MOHAMED KASIM N
17	U12EC031	MONISHAM

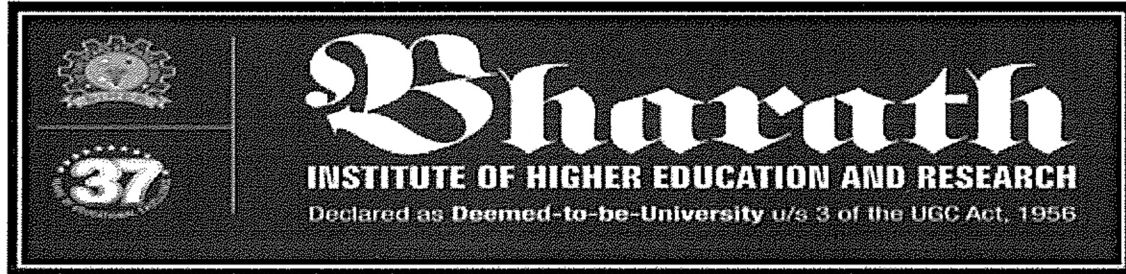
18	U12EC033	PETETI DINESH
19	U12EC035	PRINCE PORWAL
20	U12EC038	RAJ
21	U12EC040	RAVINDRA KUMAR RAUSHAN
22	U12EC042	SAIRAGHUL M
23	U12EC043	SANDEEP KUMAR SINGH
24	U12EC045	SAROJ KUMAR
25	U12EC047	SHANMUGAM S
26	U12EC050	SRI LAKSHMI P
27	U12EC051	SRIDHAR MOHAN
28	U12EC052	SRIVATSAN V
29	U12EC053	SRIVIDHYA S
30	U12EC056	SUGANDHAN S
31	U12EC058	SUPRIYA KUMARI
32	U12EC059	SURAJ KUMAR
33	U12EC061	SURYADEVARA HARSHA VARDHAN
34	U12EC063	VAISHALI SINGH
35	U12EC065	VIGNESH KUMAR S
36	U12EC066	VIJAY KUMAR SINGH
37	U12EC067	VIJAY KUMAR SWARNKAR
38	U12EC069	VINAY KUMAR PANDEY
39	U12EC072	SANJEEV KUMAR
40	U12EC074	MANIKANDAN M
41	U12EC076	ARAVINDHAN R
42	U12EC502	CLINTON MICHAEL.M

43	U12EC506	VIMALESH T
44	U12EC508	MALLAPU ANUDEEP REDDY
45	U12EC512	SATHISHKUMAR A S
46	U12EC514	PREETHI MG
47	U12EC515	ABDUL ASHISH
48	U12EC518	KATHIRAVAN R
49	U12EC522	KIRAN RAAJ K
50	U12EC701	BALATHILAKAN M R
51	U12EC704	LOKESH S
52	U12EC706	SATHRIYAN M
53	U12EC708	SUNILDHAS D
54	U12EC710	AZHAGAPPAN R
55	U12EC501	NANNAPANENI AZAD PRAKASH
56	U12EC519	JOHN BENJAMIN RAJ K
57	U12EC527	JABEZ WINSTON N
58	U12EC504	GOVARDAN J
59	U12EE075	JITENDRA KUMAR CHOURASIA
60	U12EE076	AVINASH KUMAR JAISWAL



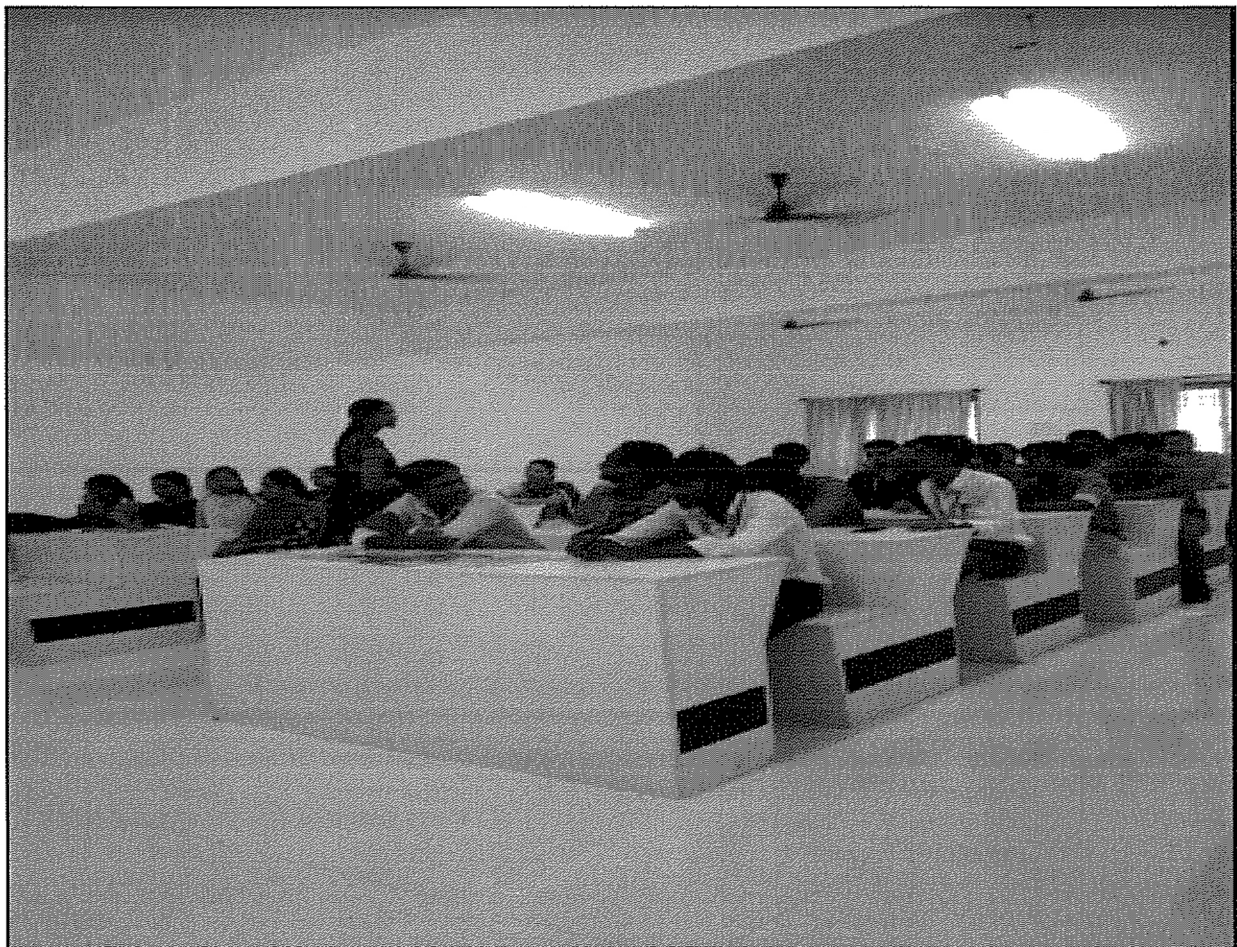
(Dr.M.Sundararajan)

HOD/ECE



SCHOOL OF ELECTRICAL ENGINEERING

Course on Introduction to MATLAB and Engineering Applications dated on 12.12.2021
conducted by School of Electrical Engineering





Bharath
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)



SCHOOL OF ELECTRICAL ENGINEERING

CERTIFICATE OF PARTICIPATION

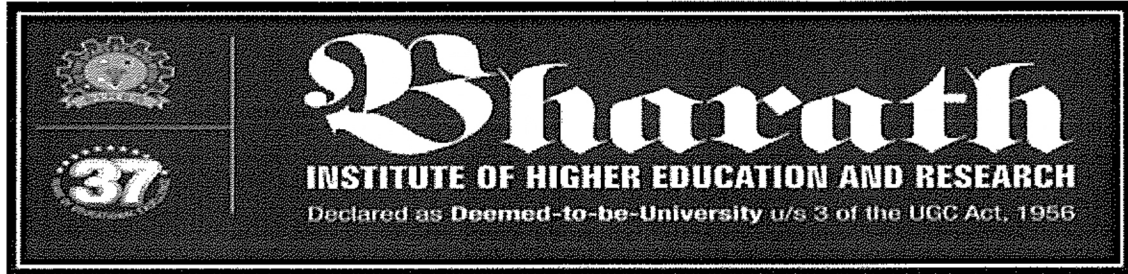
AMARAVATHI (U12EC002)

This is to certify that Mr/Ms.....

has attended Value added Course on **“Introduction to MATLAB and Engineering Applications”** Organized by the school of Electrical Engineering, BIHER conducted from 12-12-2021 to 16-12-2021.

Ms. G.KANAGAVALLI
COURSE COORDINATOR

Dr. M. SUNDARARAJAN
CONVENOR



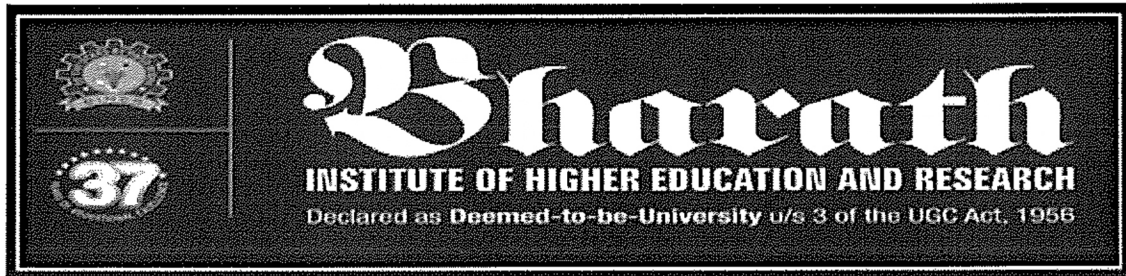
SCHOOL OF ELECTRICAL ENGINEERING

VALUE ADDED COURSE

Introduction to MATLAB and Engineering Applications

FEED BACK FORM		Date:16-12-2021			
Name	AMIT KUMAR				
Register number	U12EC003				
Phonenumber	9952976757				
Email address	amit21@gmail.com				
	Poor	Fair	Good	Very Good	Excellent
Overall Program			/		
TheSpeaker					/
Audio, Visual Aids Technology used				/	
Presentation hand outs			/		


Student Signature

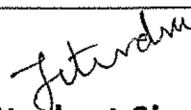


SCHOOL OF ELECTRICAL ENGINEERING

VALUE ADDED COURSE

Introduction to MATLAB and Engineering Applications

FEED BACK FORM		Date:16-12-2021			
Name	JITENDRA KUMAR CHOURASIA				
Register number	V12EE075				
Phonenumber	9994945456				
Email address	jitendra546@yahoo.com				
	Poor	Fair	Good	Very Good	Excellent
Overall Program			/		
The Speaker			/		
Audio, Visual Aids Technology used				80	/
Presentation hand outs					/


Student Signature