

## SCHOOL OF ELECTRICAL ENGINEERING

**Value Added Courses (2017 -2018)**

### Familiarization of Matlab and simulation

#### Course Objective

MATLAB is a high-performance language for technical computing. It integrates computation, visualization, and programming environment. 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 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. Ms. M. Jasmin
2. Ms. B. Hemalatha
3. Ms. S. Philomina

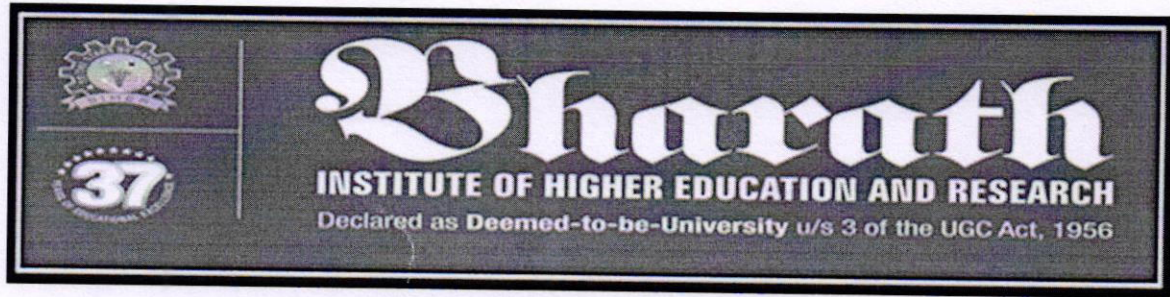
  
Convener

Dr. M. Sangeetha

HOD/ECE







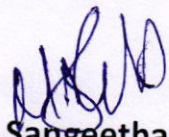
**CIRCULAR**

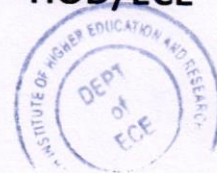
**SCHOOL OF ELECTRICAL ENGINEERING**

Date: 20.11.2017

The course on Familiarization of Matlab and simulation is planned by School of Electrical Engineering which commences on 18-12-17 (Monday). 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.

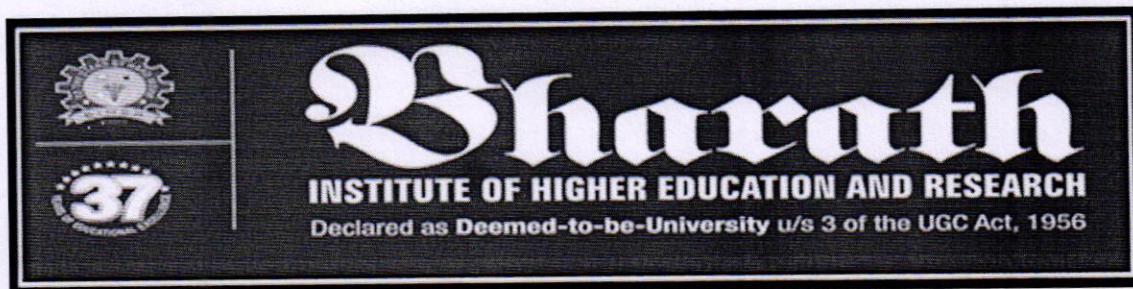
Course Coordinator: M. Sowmiya Manoj  
Contact No:7358747803  
Email id : sowmiyamanoj.ece@bharathuniv.ac.in

  
(Dr.M.Sangeetha)  
HOD/ECE



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





## SCHOOL OF ELECTRICAL ENGINEERING

### Familiarization of Matlab and simulation

#### SCHEDULE

**Contact Hours : 31 hrs**

DATE	SESSION	Contact Hours	TOPICS	Resource person
18-12-2017	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.B.Hemalatha
	AN	1.30 pm to 4 pm	Character and string Arrays and vectors Column vectors Row vectors	Ms.S.Philomina
19-12-2017	FN	9.00 am to 12.30 pm	BODMAS Rules Arithmetic operations Operators and special characters Mathematical and logical operators Solving arithmetic equations	Ms.B.Hemalatha
	AN	1.30 pm to 4 pm	Crating rows and columns Matrix Matrix operations Finding transpose, determinant and inverse Solving matrix	Ms.M.Jasmin
20-12-2017	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	Ms.M.Jasmin



			Executing script files The MATLAB Editor Saving m files	
21-12-2017	FN	9.00 am to 12.30 pm	Plotting vector and matrix data Plot labelling, curve labelling and editing	Ms.B.Hemalatha
	AN	1.30 pm to 4 pm	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	Ms.S.Philomina
22-12-2017	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 Study of Library Circuit Oriented Design Equation Oriented Design	Ms.S.Philomina



## VALUE ADDED COURSE

### SCHOOL OF ELECTRICAL ENGINEERING

#### Familiarization of Matlab and simulation

#### List Of Participants

Date:18.12.2017

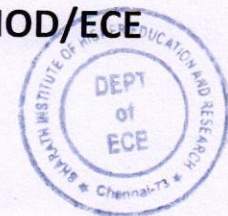
Sl.no	REG.NO	NAME OF THE CANDIDATE
1	U14EC001	AAKAASH THAKUR
2	U14EC003	ABBISSETTY SAI NIHARIKA
3	U14EC010	AMARJEET KUMAR
4	U14EC013	ANKIT KAUSHAL
5	U14EC016	ARCHANA.R
6	U14EC017	ASARA ANITH RAO
7	U14EC018	BANKIM CHANDRA BHARTI
8	U14EC019	BEDDINTI PRAVEEN KUMAR
9	U14EC020	BETHALA MOURYA
10	U14EC025	CHEKURI.VENKATA MAHESH
11	U14EC026	CHINTA ANVESH
12	U14EC033	N DHEERAJ
13	U14EC034	DOLLY NISHA J.S.
14	U14EC040	GARAGA SIVA SURYA DEEPAK
15	U14EC041	S GOKUL
16	U14EC042	GOURU VENKATA SAI PRAKASH
17	U14EC066	MANAM KOKILA.
18	U14EC067	KOMMANI DIVYA SREE



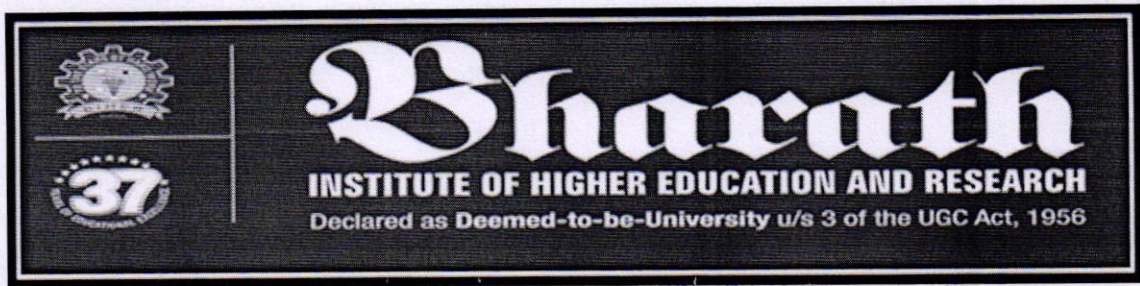
19	U14EC068	KOMMIDI PUNNAM CHANDER
20	U14EC072	KONDURU PAVAN SAI
21	U14EC073	KOTA VIDYA SAGAR
22	U14EC075	SINGAMALA MALLIKARJUNA REDDY
23	U14EC081	MAYANK HARSHIT
24	U14EC082	MD.FAIYAZ ALAM
25	U14EC083	MEENAAKSHI S
26	U14EC089	MUDRAKOLLA SURESH SACHIN
27	U14EC090	MUTYALA SAI HARISHITHA
28	U14EC103	PAPUGANI PARTHASARADHI.
29	U14EC104	PEDINEEDI VIJAYA BHARGAVI
30	U14EC106	PENGALAPATI BHARATHI
31	U14EC113	PUNUGOTI ANUSHA
32	U14EC114	RACHAMADUGU MANISH
33	U14EC121	SALUMURI RAVI TEJA
34	U14EC123	CHEEDELLA SARACCHANDRA.
35	U14EC128	SHAIK.ALEEM

  
(Dr.M.Sangeetha)

HOD/ECE





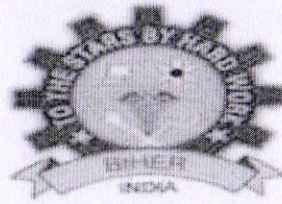


## SCHOOL OF ELECTRICAL ENGINEERING

Course on Familiarization of Matlab and simulation dated on 18.12.2017 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

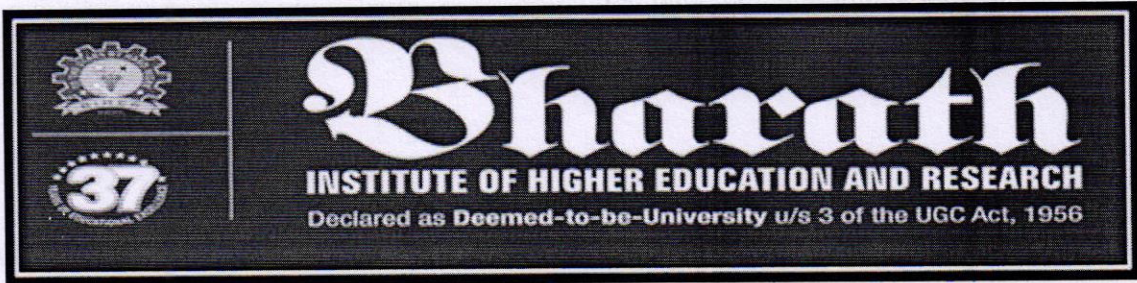
This is to certify that Mr / Ms ANKIT KAUSHAL(U14EC013)

has attended Value added Course On “*Familiarization of Matlab and Simulation*” organized by the School of Electrical Engineering, BIHER conducted from 18-12-2017 to 22-12-2017.

M.SOWMIYA MANOJ  
COURSE COORDINATOR

Dr.M.SANGEETHA  
CONVENOR





**SCHOOL OF ELECTRICAL ENGINEERING**

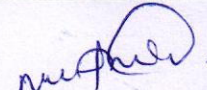
**VALUE ADDED COURSE**

**Familiarization of Matlab and simulation**

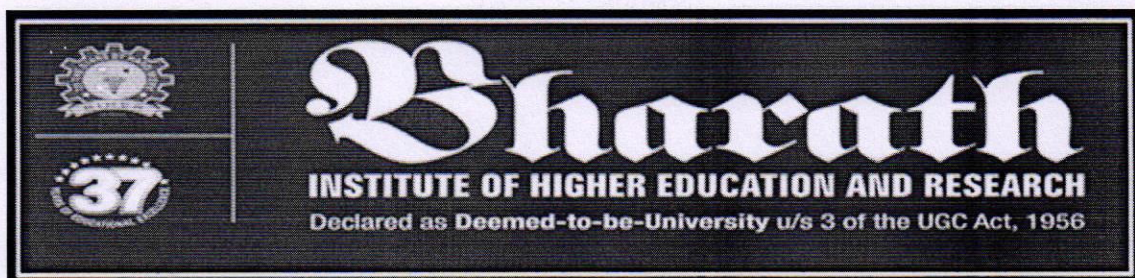
FEED BACK FORM

Date: 22/12/17

Name	Nitish kumar				
Register number	U14EE028				
Phone number	735812309				
Email address	nitish2009@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**

**Familiarization of Matlab and simulation**

FEED BACK FORM		Date: 22/12/17			
Name	Meenakshi S				
Register number	U14EC083				
Phone number	884465593				
Email address	meenumathi@gmail.com				
	Poor	Fair	Good	Very Good	Excellent
Overall Program					✓
The Speaker			✓		
Audio, Visual Aids Technology used				✓	
Presentation hand outs					✓

  
**Student Signature**