

## SCHOOL OF ELECTRICAL ENGINEERING

Value Added Courses (2021 -2022)

### Process Simulation Using Unisim Design Software

Course participants will learn how to build, evaluate and optimize steady state process flowsheets using UniSim Design, as well as learn techniques and shortcuts to efficiently use the program. UniSim® Design R360.1 simulation software is an intuitive and interactive process modeling that allows engineers to create steady-state and dynamic models for plant design, performance monitoring, troubleshooting, operational improvement, business planning and asset management. UniSim Design allows the steady-state simulation of oil and gas, refining, chemical and petrochemical processes. By studying dynamic process behavior during the early project phases, we can help students identify problems before large capital expenditures are incurred. With UniSim Engineering Studies, special control algorithms and advanced process design control strategies can be prepared for the initial startup.

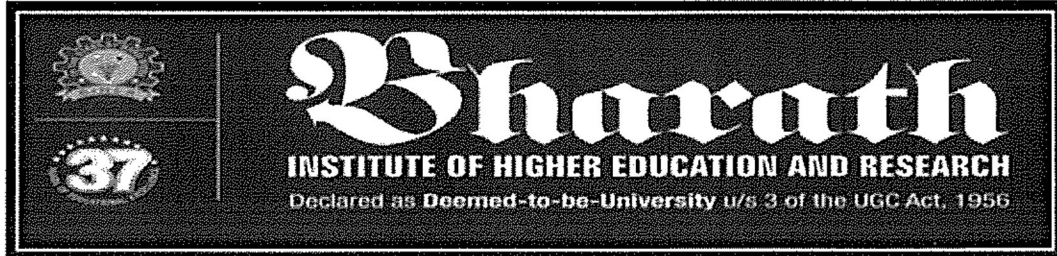
#### **Resource Persons:**

1. Dr. T. Saravanan
2. Mr. Srinivasan
3. Ms. Nirupama

**Convener**

**Dr. M. Sundararajan**

**HOD/ECE**



**CIRCULAR**

**SCHOOL OF ELECTRICAL ENGINEERING**

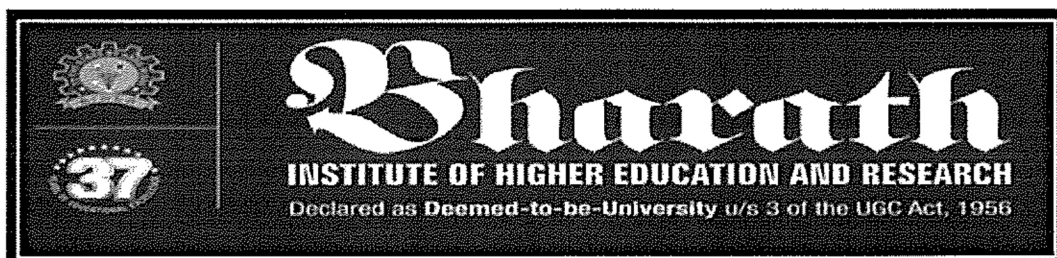
**Date:13.07.2021**

The course on Acquaintance of Process Simulation Using Unisim Design Software is planned by School of Electrical Engineering which commences on 08-08-2021. 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.Kalaiselvi B  
Contact No:9444649010  
Email id :kalaiselvi.ece@bharathuniv.ac.in

**(Dr.M.Sundararajan)**  
**HOD/ECE**

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



## SCHOOL OF ELECTRICAL ENGINEERING

### Process Simulation Using Unisim Design Software

#### SCHEDULE

**Contact Hours : 31hrs**


DATE	SESSION	Contact Hours	TOPICS	Resource person
08-08-2021	FN	9.00 am to 12.30 pm	Steady state and dynamic modeling	Dr. T.Saravanan
	AN	1.30 pm to 5 pm	Process Flow diagram and Documentation	Mr.Srinivasan
09-08-2021	FN	9.00 am to 12.30 pm	Process design modeling and parameter estimation	Ms.Nirupama
	AN	1.30 pm to 5 pm	Emergency de-pressuring and flare relief studies	Dr. T.Saravanan
10-08-2021	FN	9.00 am to 12.30 pm	Compressor and surge control studies	Mr.Srinivasan
	AN	1.30 pm to 5 pm	High Integrity Pressure Protection System (HIPPS) studies	Ms.Nirupama
11-08-2021	FN	9.00 am to 12.30 pm	Integrated pipeline and production platform studies	Dr. T.Saravanan
	AN	1.30 pm to 5 pm	Process design and controllability studies.	Mr.Srinivasan
12-08-2021	FN	9.00 am to 12.30 pm	Operator Training System project	Ms.Nirupama
	AN	1.30 pm to 5 pm	Identify shortcomings in the distributed control system (DCS) graphics, controls, alarms and safety system configuration.	Dr. T.Saravanan

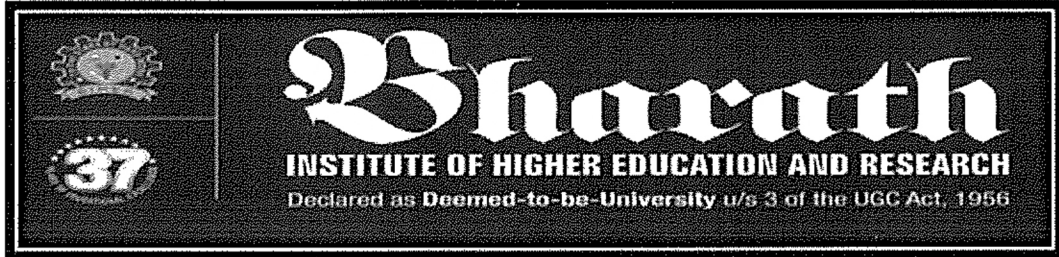
**VALUE ADDED COURSE**  
**SCHOOL OF ELECTRICAL ENGINEERING**  
**Process Simulation Using Unisim Design Software**  
**List of Participant**

Date: 08.08.2021

S.No	REG.NO	NAME OF THE CANDIDATE
1	U12EC001	ABHISHEK KUMAR
2	U12EC005	ARSHIYA MIZBA
3	U12EC006	AVANI RANJAN
4	U12EC007	BALAJI P
5	U12EC008	BLESSNI VASANTHA N S
6	U12EC010	CHANDESHWAR KUMAR
7	U12EC011	CHINNA ANKANNAGARI ARUNA
8	U12EC014	DINESH KUMAR P
9	U12EC015	GHATTAMANENI LEKHA
10	U12EC017	JANAKI RAMAN S
11	U12EC018	JEBIN SAM B
12	U12EC019	JOTHI KRISHNAN R
13	U12EC020	KAVITHA S
14	U12EC021	KUMAR GAURAV
15	U12EC025	M NAVEENKUMAR GOUD
16	U12EC028	MANIRATNAM KUMAR
17	U12EC029	MANJIT RAY CHOWDHURY
18	U12EC030	MOHAMED KASIM N
19	U12EC038	RAJ
20	U12EC039	RANJITHKUMAR M
21	U12EC044	SANDIP SINGH
22	U12EC045	SAROJ KUMAR

23	U12EC052	SRIVATSAN V
24	U12EC053	SRIVIDHYA S
25	U12EC062	SWETA SADA
26	U12EC063	VAISHALI SINGH
27	U12EC066	VIJAY KUMAR SINGH
28	U12EC067	VIJAY KUMAR SWARNKAR
29	U12EC069	VINAY KUMAR PANDEY
30	U12EC070	WANIL KUMAR
31	U12EC071	JAYA KUMARI
32	U12EC072	SANJEEV KUMAR
33	U12EC073	SUNITA KUMARI
34	U12EC074	MANIKANDAN M
35	U12EC075	MD SOHAIL AKHTAR
36	U12EC076	ARAVINDHAN R
37	U12EC077	PAVITHRA M
38	U12EC502	CLINTON MICHAEL.M
39	U12EC505	ARAVINDH RA
40	U12EC506	VIMALESH T
41	U12EC509	VISHAL B
42	U12EC511	VIJAY ANJAN KUMAR RAGHAVA
43	U12EC512	SATHISHKUMAR A S
44	U12EC521	SYEDUMER A
45	U12EC504	GOVARDAN J
46	U12EC520	ARUN V
47	U12EE075	JITENDRA KUMAR CHOURASIA
48	U12EE076	AVINASH KUMAR JAISWAL

  
 (Dr.M.Sundararajan)  
 HOD/ECE



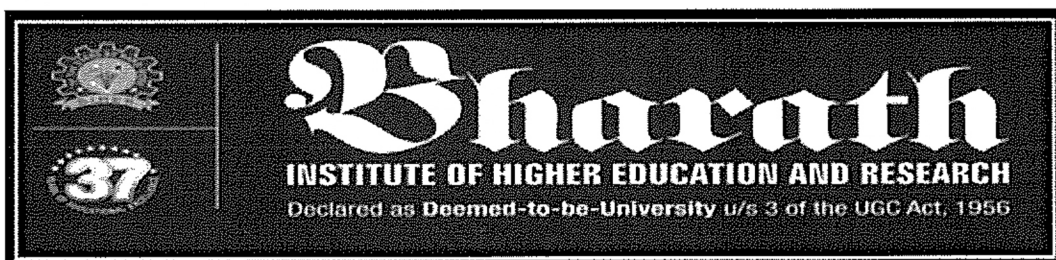
**SCHOOL OF ELECTRICAL ENGINEERING**

**VALUE ADDED COURSE**

**Process Simulation Using Unisim Design Software**

FEED BACK FORM		Date:12.08.2021			
Name	Arun.V.				
Register number	U12 EC 520.				
Phonenumber	9176415909.				
Email address	arun1234@gmail.com				
	Poor	Fair	Good	Very Good	Excellent
Overall Program				/	
TheSpeaker				/	
Audio, Visual Aids Technology used					/
Presentation hand outs			/	/	

  
 Student Signature



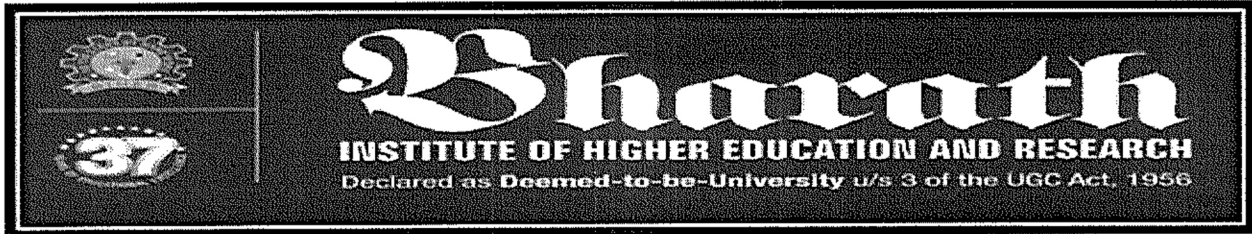
**SCHOOL OF ELECTRICAL ENGINEERING**

**VALUE ADDED COURSE**

**Process Simulation Using Unisim Design Software**

FEED BACK FORM		Date:12.08.2021			
Name	Dithendra Kumar.				
Register number	012EE075				
Phonenumber	7358747801				
Email address	dithendrakumarap@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

## CERTIFICATE OF PARTICIPATION

This is to certify that Mr / Ms JOTHI KRISHNAN R(U12EC019)

has attended Value added Course On "Process Simulation Using Unisim

Design Software"organized by the School of ElectricalEngineering,

BIHER conducted from 08-08-2021 to 12-08-2021.

*Kalaiselvi*  
MS.KALAISELVIB  
COURSECOORDINATOR

*Dr. M. Sundarrajan*  
Dr.M.SUNDARRAJAN  
CONVENOR