



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

Date: 22.11.2017

Department of Mechatronics

Circular

The Department of Mechatronics, BIHER is glad to conduct a 5 - days Value Added Program on “Certificate Course on Computational Fluid Dynamics” dated from 27.11.2017 to 01/12/2017 for a period of 30 hours. Those who are interested to participate do register your name with the program coordinator mentioned below.

Resource persons:

Dr.P. Sengottuvel,
HOD & Professor,
BIHER

Mr. MOHAMMED BASHA
Caddam Technologies Pvt Ltd
Tambaram West
Chennai.

Maximum No. of registration Allowed – 53

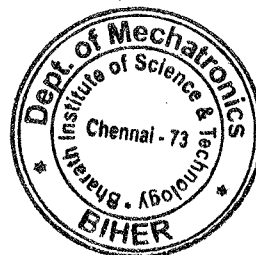
***First come first serve basis.**

Program Coordinator:

Mrs.V.G. Vijaya
Assistant Professor
Mr. Jai Rajesh
Assistant Professor

E-Mail: vijayasaravanan84@gmail.com

Mobile: 8870136732





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CERTIFICATE COURSE ON COMPUTATIONAL FLUID DYNAMICS

Objectives:

The course aims at giving the students will understand what CFD is and its significance. Also learn what the Navier-Stokes equations are and how they're derived.

- CFD - An introduction, necessity, advantages, CFD modeling process
- Deriving and understanding the Navier Stokes equations
 - Substantial derivative
 - Continuity equation
 - Momentum equation
 - Energy equation
- Significance of Reynold's number in the NS equations

[DAY:1] MODULE I (6 Hrs)

Introduction to CFD using MATLAB

[DAY: 2] MODULE II (6 Hrs)

Introduction to CFD using OpenFOAM

[DAY: 3] MODULE III (6 Hrs)

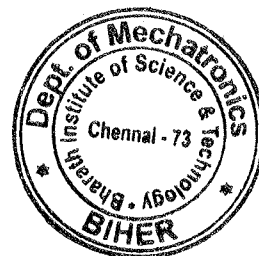
Introduction to OpenFOAM Development

[DAY: 4] MODULE IV (6 Hrs)






Introduction to GUI based CFD using ANSYS FLUENT

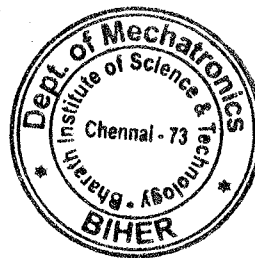
[DAY: 5] MODULE V (6 Hrs)

GUI based CFD using ANSYS FLUENT



Model Certificate

   Bharath INSTITUTE OF HIGHER EDUCATION AND RESEARCH <small>Chartered as ENGINEERING UNIVERSITY Act 2 of the UGC Act 1986</small>	 A NAAC NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL 	
BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY		
 CERTIFICATE OF PARTICIPATION <i>This is to certify that</i> <i>Prof./Dr./Mr./Ms.</i> <i>Of</i> BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY, BIHER, CHENNAI. <i>He /She has Participated in a Value Added Program on "Certificate Course on Computational Fluid Dynamics" organized by the School of Mechanical Sciences , Department of Mechatronics , on 27th November to 01st December 2017.</i>		
Coordinator Mrs. V.G.Vijaya	Convener Dr.P.Sengottuvel	Dean-Engineering Dr.J.Hameed Hussam





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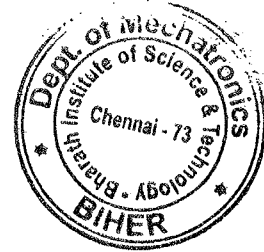
Value Added Course - Certificate Course on Computational Fluid Dynamics

Participants List

S.No	Reg.No	Name	Department
1.	U17MT056	SURYA PRAKASH	Mechatronics
2.	U17MT055	YOKESH RAJ	Mechatronics
3.	U17MT054	VASANTH	Mechatronics
4.	U17MT053	GOKULAKRISHNAN	Mechatronics
5.	U17MT052	SATHISH KUMAR	Mechatronics
6.	U17MT051	BOLLEDDU RAVI TEJA	Mechatronics
7.	U17MT050	THIRUMURUGAN	Mechatronics
8.	U17MT049	NIKHILANTONY	Mechatronics
9.	U17MT048	PALANIYAPPAN	Mechatronics
10.	U17MT046	VIGNESHWARAN	Mechatronics
11.	U17MT045	ABDUL RAHAMAN	Mechatronics
12.	U17MT044	BADDITI	Mechatronics
13.	U17MT042	METHIL KRISHNAN	Mechatronics
14.	U17MT040	NIZAMUDEEN	Mechatronics
15.	U17MT039	SAGADEVAN	Mechatronics
16.	U17MT038	DHARANIDHARAN	Mechatronics
17.	U17MT037	DINESH	Mechatronics
18.	U17MT036	SUSHIL KUMAR	Mechatronics

19.	U17MT035	HARIHARAN	Mechatronics
20.	U17MT061	MOHAMMED ABBAS	Mechatronics
21.	U17MT060	DINESHKUMAR	Mechatronics
22.	U17MT059	RAKKESH ARAVIND	Mechatronics
23.	U17MT058	NAGARAJ	Mechatronics
24.	U17MT057	SREE MUKESH	Mechatronics
25.	U17MT056	SURYA PRAKASH	Mechatronics
26.	U17MT055	YOKESH RAJ	Mechatronics
27.	U17MT054	VASANTH	Mechatronics
28.	U17MT053	GOKULAKRISHNAN	Mechatronics
29.	U17MT052	SATHISH KUMAR	Mechatronics
30.	U17MT051	BOLLEDDU RAVI TEJA	Mechatronics
31.	U17MT050	THIRUMURUGAN	Mechatronics
32.	U17MT049	NIKHILANTONY	Mechatronics
33.	U17MT048	PALANIYAPPAN	Mechatronics
34.	U17MT046	VIGNESHWARAN	Mechatronics
35.	U17MT045	ABDUL RAHAMAN	Mechatronics
36.	U16ME035	PARTHAN V	Mechanical Engineering
37.	U16ME041	SUVODEEP RAKSHIT	Mechanical Engineering
38.	U16ME049	MOHAMED ABDULLAH K	Mechanical Engineering
39.	U16ME055	DEEPAK H	Mechanical Engineering
40.	U16ME056	YOGESH P	Mechanical Engineering
41.	U16ME059	JEFRON G	Mechanical Engineering
42.	U16ME062	DANIEL N P	Mechanical Engineering

43.	U16ME066	VASANTH KUMAR R	Mechanical Engineering
44.	U16ME078	KAMASANI SURESH	Mechanical Engineering
45.	U16ME080	MAJID ALI	Mechanical Engineering
46.	U16ME082	HARISH S	Mechanical Engineering
47.	U16ME087	ANAND KUMAR .	Mechanical Engineering
48.	U16ME093	MACHUNURU PRASAD KUMAR REDDY	Mechanical Engineering
49.	U16ME094	GOPAL KUMAR .	Mechanical Engineering
50.	U16ME098	PRAJEESH S NAIR .	Mechanical Engineering
51.	U16MT004	SRINATH B	Mechatronics
52.	U16MT005	DHANASEKAR R	Mechatronics
53.	U16MT006	GOUTHAM M	Mechatronics





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Value added course -Certificate Course on Computational Fluid Dynamics

