



# **Bharath**

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

## Requisition Letter

Date: 24.05.2019

From

The HOD,  
Department of Mechanical Engineering,  
Bharath Institute of Higher Education and Research,  
Selaiyur, Chennai.

To

The Dean Engineering,  
Bharath Institute of Higher Education and Research,  
Selaiyur, Chennai.

Respected Sir,

Sub: Requisition for conducting Value added course – reg.

School of Mechanical Sciences has planned to conduct Value added course entitled “CAD/CAM, Computer Aided Design and Computer Aided Machining” from 1.06.2019 to 7.06.2019 In this regard we kindly request you to grant permission for the same.

Thanking You

HOD/MECH



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Date: 25.06.2018

**Department of Mechanical Engineering**

**Circular**

The of Department of Mechanical Engineering, BIHER glad to conduct on five days value added program on “CAD/CAM, Computer Aided Design and Computer Aided Machining” from 1.06.2019 to 7.06.2019 for 30 hours. Those who are interested to participate do register your name to the program coordinator. All reregistered students must attend all the classes without fail. The students who are completed the course successfully with good score will get the course completion certificate from the institute/Department.

**Resource person: Mr.Lenien Rakesh, Mr.Sabarish, Mr.Jose Anand Vino**

Maximum no. of registration Allowed – 60.

**Program coordinator**

  
**Dr.R.Hariharan**



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## Department of Mechanical Engineering

### “CAD/CAM, Computer Aided Design and Computer Aided Machining”

#### Objective

Developments of software computer interface in design of various elements

Use of software for manufacturing Automation of manufacturing methods Course Contents:

#### Module 1

(6Hours)

Fundamentals of CAD: The design process, applications of computer for design, creating the Manufacturing Database, The design workstation, Graphical Terminal, Operator input Devices, Plotters and other devices, the CPU secondary storage

#### Module 2

(8 Hours)

Computer graphics Software and Database: Configuration, Graphics Packages, Constructing the Geometry, transformations, Database structure and content, wire frame versus solid modeling [

#### Module 3

(8 Hours)

CAM – Introduction, Numerical Control and NC Part Programming: NC Coordinate system, NC motion control system, Economics of NC, Manual and Computer Aid Programming, the APT language, NC programming with interactive graphics

#### Module 4

(8Hours)

Problems with conventional NC, NC technology: CNC, DNC combined DNC/CNC system, Adopter control manufacturing systems, Computer Integrated manufacturing system, Machine Tools and related Equipment, Materials Handling and Storage system, computer system



## Department of Mechanical Engineering

### One Week Value added Program on "CAD/CAM, Computer Aided Design and Computer Aided Machining" 1st june to 7 june 2019

Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 4:30 PM)
1-06-2019 (Wednesday)	<b>Dr.R.Hariharan</b> Fundamentals of CAD: The design process, applications of computer for design, creating the Manufacturing, Database, The design workstation	<b>V Jose Ananth Vino</b> Graphical Terminal, Operator input Devices, Plotters and other devices, the CPU secondary storage
2-06-2019 (Thursday)	<b>Mr.N.Lenin Rakesh</b> Computer graphics Software and Database: Configuration, Graphics Packages	<b>Mr.Sabarish</b> Constructing the Geometry, transformations, Database structure and content, wire frame versus solid modeling
3-06-2019 (Friday)	<b>Mr.Sabarish</b> CAM – Introduction, Numerical Control and NC Part Programming: NC Coordinate system, NC motion control system, Economics of NC,	<b>Mr.N.Lenin Rakesh</b> Manual, the and Computer Aid Programming APT language, NC programming with interactive graphics
6-06-2019 (Monday)	<b>Mr.N.Lenin Rakesh</b> NC programming with interactive graphics	<b>Mr.Sabarish</b> Problems with conventional NC, NC technology: CNC, DNC combined DNC/CNC system
7-06-2019 (Tuesday)	<b>Mr.N.Lenin Rakesh</b> Problems with conventional NC, NC technology: CNC, DNC combined DNC/CNC system	<b>Mr.Sabarish</b> Materials Handling and Storage system, computer system

Program Coordinator:

**Dr.R.Hariharan**

Assistant Professor

hariharan.mech@bharathuniv.ac.in



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## Attendance sheet

S.No	Name	Register No.	Department
1	KEERTHIVASAN	U17ME096	Mechanical Engineering
2	ROHITH	U17ME097	Mechanical Engineering
3	SEZOKHO CHUZHO	U17ME098	Mechanical Engineering
4	AJEETH	U17ME099	Mechanical Engineering
5	RUSKIN	U17ME100	Mechanical Engineering
6	PADAGA VAMSHI KRISHNA	U17ME101	Mechanical Engineering
7	RASAMSETTI S B	U17ME102	Mechanical Engineering
8	MUKESH KUMAR	U17ME103	Mechanical Engineering
9	KISHORE	U17ME104	Mechanical Engineering
10	MOHAMED ARIF	U17ME105	Mechanical Engineering
11	RAVITEJA	U17ME106	Mechanical Engineering
12	PALA PRABHAKAR REDDY	U17ME107	Mechanical Engineering
13	THAHEER AHAMED	U17ME108	Mechanical Engineering
14	NETHINTI	U17ME109	Mechanical Engineering
15	YANAKANDLA MANOJ KUMAR	U17ME110	Mechanical Engineering
16	SURAJ	U17ME111	Mechanical Engineering
17	EMANI JAGADISH KUMAR	U17ME112	Mechanical Engineering
18	PARTHIBAN	U17ME113	Mechanical Engineering
19	KALLURU NAGA MANI KANTA	U17ME114	Mechanical Engineering
20	BALAMURUGAN	U17ME115	Mechanical Engineering
21	AJITHKUMAR	U17ME116	Mechanical Engineering
22	NALAM	U17ME117	Mechanical Engineering
23	CHINTALA VAMSI KRISHNA	U17ME118	Mechanical Engineering
24	PAPPU PRAVEEN VENKATA SIVA	U17ME119	Mechanical Engineering
25	SARAVANAN	U17ME120	Mechanical Engineering
26	PARITHI	U17ME121	Mechanical Engineering
27	GOPALAKRISHNAN	U17ME122	Mechanical Engineering
28	POTHIREDDY	U17ME123	Mechanical Engineering
29	BUDDEPU	U17ME124	Mechanical Engineering
30	BATHINI	U17ME125	Mechanical Engineering
31	SAPPANI	U17ME126	Mechanical Engineering
32	GOUTHAM K	U17AM030	Automobile Engineering
33	SHANKARANATHAN K	U17AM031	Automobile Engineering
34	BARATH KUMAR R	U17AM032	Automobile Engineering

35	DEVARAPALLI RAHUL	U17AM033	Automobile Engineering
36	SARIYAM VIDYASAGAR	U17AM034	Automobile Engineering
37	MOORABOINA NAGA RAJU	U17AM035	Automobile Engineering
38	TAMILARASAN S	U17AM036	Automobile Engineering
39	ABDUL RAHAMAN S	U17MT045	Mechatronics Engineering
40	VIGNESHWARAN V	U17MT046	Mechatronics Engineering
41	PALANIYAPPAN S	U17MT048	Mechatronics Engineering
42	NIKHILANTONY K J	U17MT049	Mechatronics Engineering
43	THIRUMURUGAN G	U17MT050	Mechatronics Engineering
44	BOLLEDDU RAVI TEJA	U17MT051	Mechatronics Engineering
45	SATHISH KUMAR S	U17MT052	Mechatronics Engineering

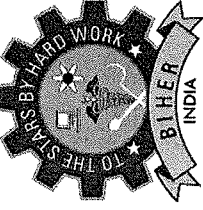
# BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH

This is to certify presented to :

**THAAHEER AHAMED**

Has participated in the Value Added Course titled "CAD/CAM,  
Computer Aided Design / Computer Aided Machining"  
conducted by the School of Mechanical Engineering during the

month of June 2019





VAC CO-ORDINATOR



HOD MECHANICAL



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## FEEDBACK FORM

- ❖ As part of a continuing improvement process, our college appreciates suggestions and inputs regarding the institution. We request you to sincerely answer these questions under assurance of complete confidentiality. Your interest in making our institution better is greatly appreciated.

Name of Department : ..... Mechanical ..... Engineering .....

Date : ..... 7.10.19 .....

Event / Speaker Name : ..... Value added courses on CAD/CAM  
Name of the Speaker: Mr. Harsham & Lenin Pallesh

- Please rate the session on the scale indicated. Your comments are most appreciated.

S.No	Parameters	Below Average	Average	Good	Excellent	Outstanding
1.	<b>The Topic</b>					✓
	The choice of topic was relevant to me					✓
2.	<b>The Lecturer / Speaker</b>					
	Self-confidence				✓	
	Communication skills					✓
	Doubts/ queries were answered satisfactorily				✓	
3.	<b>The Content (Topic)</b>					
	Refers to latest developments in the field					✓
	Career oriented					✓
	Innovative learning, if any					✓

- Overall, how would you rate this Guest Lecture / Workshop / Seminar / Event/Value added course?

1. Below Average	2. Average	3. Good	4. Excellent	5. Outstanding
				✓

- Comments (If any):

Very Useful