



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

Requisition Letter

Date: 25.08.2022

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.

Department of Mechanical Engineering has planned to conduct Value added course entitled “Energy Economics” from 19/09/2022 to 23/09/2022 In this regard we kindly request you to grant permission for the same.

Thanking You

HOD/MECH

Dean Engineering



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

Date: 05.09.2022

Department of Mechanical Engineering

Circular

The of Department of Mechanical Engineering, BIHER is glad to conduct five days value added program entitled “*Energy Economics*” from 19.09.2022 to 23.09.2022 for 30 hours. Those who are interested to participate do register your name to the program coordinator.

The registered students must attend all the classes without fail. Students who have completed the course successfully with good score will get the course completion certificate from the institute/Department.

Resource person: Mr.D.Ravi and Mr.K.Selvakumar

Maximum no. of registration Allowed – 60.

Program coordinator

Dr.R.Harihaaran



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INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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Department of Mechanical Engineering

Energy Economics

OBJECTIVE:

To acquaint students with theoretical and empirical topics from the field of energy and related areas, specifically pertaining to demand, supply, prices, environmental consequences and associated regulatory issues.

MODULE 1 (10Hrs) [DAY: 1]

Introduction and Background - Review of the Basics of Supply, Demand and Price Formation in Competitive Markets - Energy Supply and the Economics of Depletable Resources - World Oil Markets and Energy Security.

[DAY: 2]

Coal - Nuclear Power - Energy Efficiency Policies - Renewable Energy Policies - comparative analysis of these markets from an India vs rest of the world perspective - The role of IREDA.

[DAY: 3]

Natural Gas Price Regulation, Deregulation and Markets - Evolution of the Electricity Market in India - Electricity Act (2003) - techniques specific to energy and electricity markets in India: Risk Management, Futures Markets and Derivatives.

MODULE II (5 Hrs)

[DAY: 4]

Review of the Basics of Supply, Demand and Price Formation in Competitive Markets - Energy Supply and the Economics of Depletable Resources - World Oil Markets and Energy Security.

MODULE III

[DAY: 5] (10 Hrs)

Energy and Climate Change - Pigouvian pricing - externalities - pricing externalities - Internalizing Environmental Externalities with a Focus on CO₂ Emissions Cap and Trade Mechanism.

MODULE IV

[DAY: 6] (5 Hrs)

Coal - Nuclear Power - Energy Efficiency Policies - Renewable Energy Policies - comparative analysis of these markets from an India vs rest of the world perspective - The role of IREDA



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Department of Mechanical Engineering
One Week Value added Program on “*Energy Economics*”
19th sep to 27th Sep 2022

Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 3:30 PM)
19 – 11 – 2022 (Monday)	Program Inauguration Mr.D.Ravi Introduction and Background - Review of the Basics of Supply, Demand and Price Formation.	Mr.K.Selvakumar Energy Supply and the Economics of Depletable Resources - World Oil Markets and Energy Security.
22 – 11 – 2022 (Tuesday)	Mr.K.Selvakumar Coal - Nuclear Power - Energy Efficiency Policies	Mr.D.Ravi Renewable Energy Policies
23 – 11 – 2022 (Wednesday)	Mr.D.Ravi comparative analysis of these markets from an India vs rest of the world perspective .	Mr.K.Selvakumar Natural Gas Price Regulation, Deregulation and Markets
24 – 11 – 2022 (Thursday)	Mr.K.Selvakumar techniques specific to energy and electricity markets in India: Risk Management, Futures Markets and Derivatives.	Mr.D.Ravi Review of the Basics of Supply, Demand and Price Formation in Competitive Markets
26 – 11 – 2022 (Friday)	Mr.D.Ravi Energy Supply and the Economics of Depletable Resources - World Oil Markets and Energy Security.	Mr.K.Selvakumar Coal - Nuclear Power - Energy Efficiency Policies - Renewable Energy Policies - comparative analysis of these markets from an India vs rest of the world perspective - The role of IREDA
27 – 11 – 2022 (Monday)	Mr.K.Selvakumar Energy and Climate Change - Pigouvian pricing	Mr.D.Ravi - Energy Supply and the Economics of Depletable Resources - World Oil Markets and Energy Security. <i>Quiz/ Feedback / valedictory Session</i>

Program Codinator:

Assistant Professor,
 Dr.K.Manikanam



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Department of Mechanical




RESEARCH METHODOLOGY USING REAL WORLD PROJECTS

PARTICIPANTS LIST

Sl.No	Reg.No	Students Name	Department
1	U20ME027	NANGINENI TRINADH SAI	Mechanical
2	U20ME028	NETHAJI K	Mechanical
3	U20ME029	PALLA PRADEEP KUMAR YADAV	Mechanical
4	U20ME030	PENUMAKA MANI VENKATA RAM KUMAR	Mechanical
5	U20ME031	PINNITI MANIKANTA	Mechanical
6	U20ME032	PINNINTI APUROOP KUMAR	Mechanical
7	U20ME033	PUKKALLA HEMANTH RAO	Mechanical
8	U20ME034	PUPPALA BHADRA SAI VENKATA SWAMY	Mechanical
9	U20ME035	RAGHA DEVAN S	Mechanical
10	U20ME036	RAMIREDDY BALA NARASIMHA REDDY	Mechanical
11	U20ME038	SANJAY P	Mechanical
12	U20ME039	SHAIK SUBHANI	Mechanical
13	U20ME041	SUJITH S	Mechanical
14	U20ME042	SUSHANT .	Mechanical
15	U20ME043	VEERACHERAN K	Mechanical
16	U20ME044	VENKATRAMAN S	Mechanical
17	U20ME045	VINOTHKUMAR S	Mechanical
18	U20ME048	SABARINATHAN D	Mechanical
19	U20ME049	SUDDAMALLA AMARA MAHESWARA REDDY	Mechanical
20	U20ME027	NANGINENI TRINADH SAI	Mechanical
21	U20ME028	NETHAJI K	Mechanical
22	U20ME029	PALLA PRADEEP KUMAR YADAV	Mechanical
23	U20ME030	PENUMAKA MANI VENKATA RAM KUMAR	Mechanical
24	U20ME031	PINNITI MANIKANTA	Mechanical
25	U20ME032	PINNINTI APUROOP KUMAR	Mechanical
26	U20ME033	PUKKALLA HEMANTH RAO	Mechanical
27	U20ME034	PUPPALA BHADRA SAI VENKATA SWAMY	Mechanical
28	U20ME035	RAGHA DEVAN S	Mechanical
29	U20ME036	RAMIREDDY BALA NARASIMHA REDDY	Mechanical
30	U20ME038	SANJAY P	Mechanical
31	U20ME701	ASHWIN KUMAR J R	Mechanical
32	U20ME702	BHARATH S	Mechanical
33	U20ME703	KRISHNA KUMAR S	Mechanical
34	U20ME704	MAGESHWARAN R	Mechanical
35	U20ME705	MOHAMED MUZAFFER D	Mechanical
36	U20ME706	NARESH KUMAR V	Mechanical
37	U20ME707	SANTHOSHKUMAR A	Mechanical

38	U20ME708	SURYA R	Mechanical
39	U20ME709	NANDHAKUMAR R	Mechanical
40	U20ME710	ASHOK KUMAR S	Mechanical
41	U21ME016	SHAIK MAAZID	Mechanical
42	U21ME017	SHOURYA .	Mechanical
43	U21ME018	SHRI DHARSHAN R	Mechanical
44	U21ME019	THULASI VASAN N	Mechanical
45	U21ME021	PINNINTI DURGA VENKATA PRASANT	Mechanical
46	U21ME022	ZAFAR KHAN	Mechanical
47	U21ME023	KALAGATLA SATWIK	Mechanical
48	U21ME025	SURIYA PRAKASH M	Mechanical
49	U21ME027	YARRAMADDI GANANA SAI	Mechanical
50	U21ME028	KUNJAM GOWTHAM	Mechanical
51	U20AM008	NAVEEN.T	Automobile
52	U20AM010	PALLA DHARANIDHAR REDDY	Automobile
53	U20AM011	PRADEEP.V	Automobile
54	U20AM012	PRADOSH.M	Automobile
55	U20AM013	SHAIK AMEER SHAREEF	Automobile
56	U20MT011	NIRMAL N	Mechatronics
57	U20MT012	PAAZIL PARVESH S	Mechatronics
58	U20MT013	PRAVEEN KUMAR K	Mechatronics
59	U20MT014	SANTHOSHKUMAR S	Mechatronics
60	U20MT015	SRI LAKSHIMI M	Mechatronics

Certificate

	Bharath INSTITUTE OF HIGHER EDUCATION AND RESEARCH <small>(Declared as Deemed-to-be University under section 3 of UGC Act, 1956)</small>	
BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY DEPARTMENT OF MECHANICAL ENGINEERING		
CERTIFICATE OF PARTICIPATION		
This is to certify that NANGINENI TRINADH SAI (U20ME027) of Department of Mechanical, Bharath Institute of Higher and Research		
For attending value add course on Energy Economics organized by Department of Mechanical, Bharath Institute of Science and Technology, Selaiyur, Chennai - 73 held on 19.09.2022 to 23.09.2022		
 Organizing Secretary (Dr.Manikam, BIHER)		 Convenor/HOD (Dr.V.Balambica, BIHER)

Photo





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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

Date : 23-09-2022

Event / Speaker Name : Value added program on Energy Economics

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

S.NO	Parameters	Below Average	Average	Good	Excellent	Outstanding
1.	The Topic				✓	
	The choice of topic was relevant to me				✓	
2.	The Lecturer / Speaker				✓	
	Self-confidence			✓		
	Communication skills			✓		
	Doubts/ queries were answered satisfactorily				✓	
3.	The Content (Topic)			✓	✓	
	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 excellent.



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Requisition Letter

Date: 30.06.2022

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 “ADVERTISING PUBLIC RELATION AND SPONSORSHIP IN SPORTS” from 11/07/2022 to 15/07/2022. In this regard we kindly request you to grant permission for the same.

Thanking You

HOD/MECH

Dean Engineering



Bharath
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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Date: 10.07.2020

Department of Mechanical Engineering

Circular

The of Department of Mechanical Engineering, BIHER is glad to conduct five days value added program entitled “ ADVERTISING PUBLIC RELATION AND SPONSORSHIP IN SPORTS” from 11.07.2022 to 15.07.2022 for 30 hours. Those who are interested to participate do register your name to the program coordinator.

The registered students must attend all the classes without fail. The students who have completed the course successfully with good score will get the course completion certificate from the institute/Department.

Resource person: Dr.Hariharan and Mr.Sabarish

Maximum no. of registration Allowed – 60.

Program coordinator

(Mr.Jose Anath Vino)



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Department of Mechanical Engineering

ADVERTISING, PUBLIC RELATION AND SPONSORSHIP IN SPORTS

Objectives:

To develop an understanding and appreciation of the place that interscholastic sports and activities occupy in the Indian culture and by developing sound educational attitudes toward.

To educate the student body in the appreciation of sports and activities and the best way to enjoy them from the point of view of good

To serve as a focal point for morale, spirit and loyalty of students by providing a common meeting ground and enthusiasm which are shared by

To allow for the development of physical growth, mental alertness and emotional stability for all those who participate in

To provide the opportunity for a student to learn to handle winning and losing and to make decisions that affect themselves and members of their

To learn to develop through hard work and dedication a feeling of self confidence and self-esteem in all

MODULE 1

(10Hrs)

DAY-I

INTRODUCTION TO ADVERTISING –History and Development in Advertising. Definition of Advertising, Objectives of Advertising in Sports.

IMC IN SPORTS – Concepts of Integrated Marketing Communication in Sports, Elements of Integrated Marketing Communication.

MODULE II

(5 Hrs)

BUSINESS OF ADVERTISING - Advertiser, Advertising Agency and World of Media, Brand Manager, Duties and responsibilities of a Brand manager, Client Advertising Agency relationship in the 21st century.

MODULE III

(10 Hrs)

SPORTS PERSONALITIES AS BRAND ENDORSER- Reputed sports persons and the brand they are endorsing.

SPORTS PERSONALITIES AS BRAND ENDORSER- Reputed sports persons and the brand they are endorsing.

MODULE IV

(5 Hrs)

SPONSORSHIP ISSUES IN SPORTS - Meaning and Objectives of Sponsorship, Advertising and Sponsorship, Developing Sponsorship proposal.

CASE STUDY AND PRESENTATION- Details of Sponsorship Agreement in National and International sports bodies.



Department of Mechanical Engineering
One Week Value added Program on ADVERTISING, PUBLIC RELATION
AND SPONSORSHIP IN SPORTS

Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 3:30 PM)
11.07.2022	Program Inauguration : Dr. R.Hariharan INTRODUCTION TO ADVERTISING – History and Development in Advertising. Definition of Advertising, Objectives of Advertising in Sports	Mr.Sabarish.R IMC IN SPORTS – Concepts of Integrated Marketing Communication in Sports, Elements of Integrated Marketing Communication.
12.07.2022	Mr.Sabarish.R BUSINESS OF ADVERTISING - Advertiser, Advertising Agency and World of Media, Brand Manager	Dr. R.Hariharan Duties and responsibilities of a Brand manager, Client Advertising Agency relationship in the 21st century.
13.07.2022	Dr. R.Hariharan SPORTS PERSONALITIES AS BRAND ENDORSER- Reputed sports persons and the brand they are endorsing.	Mr.Sabarish.R SPORTS PERSONALITIES AS BRAND ENDORSER- Reputed sports persons and the brand they are endorsing.
14.07.2022	Mr.Sabarish.R SPONSORSHIP ISSUES IN SPORTS - Meaning and Objectives of Sponsorship, Advertising and Sponsorship, Developing Sponsorship proposal.	Dr. R.Hariharan CASE STUDY AND PRESENTATION- Details of Sponsorship Agreement in National and International sports bodies.
15.07.2022	Dr. R.Hariharan Preparation of Bibliography and Annexures - Plagiarism detection methods - Referencing methods.	Mr.Sabarish.R Interpretation of results and systematic presentation while preparing research report; Presentation of Qualitative data. Quiz/ Feedback / valedictory Session Qualitative, Quantitative, Macro Study, Case Study, Ethnographic Study; Empirical Research, etc.



Department of Mechanical

WORKING DRAWINGS AND PRESENTATION TECHNIQUES

PARTICIPANTS LIST

Sl.No	Reg.No	Students Name	Department
1	U20ME004	BAGAMMAGARI SAINIKHIL GOUD	Mechanical
2	U20ME005	BOLAGANI MANIKANTA RAYUDU	Mechanical
3	U20ME006	BOMMANA UMAKANTH REDDY	Mechanical
4	U20ME007	CHAPPIDI VISHNU VARDHAN	Mechanical
5	U20ME008	CHINNAMGARI GAJALAKSHMI	Mechanical
6	U20ME009	DARELLI UDAY	Mechanical
7	U20ME010	DUNNA SAI KUMAR	Mechanical
8	U20ME011	GADAGONI SAITEJA	Mechanical
9	U20ME012	GADULA VAMSI DURGA	Mechanical
10	U20ME013	GARAGA JYOTHI SWAROOP	Mechanical
11	U20ME014	GUNDBATHULA VARA PRASAD	Mechanical
12	U20ME015	JAKKAMSETTI TARUN KUMAR	Mechanical
13	U20ME016	JANAPAREDDY SUBHASH	Mechanical
14	U20ME017	JERRIBANDA NARASIMHA REDDY	Mechanical
15	U20ME018	KALIDINDI DUSHYANTH VARMA	Mechanical
16	U20ME020	KAMBHAM VENKAT REDDY	Mechanical
17	U20ME021	KOLASANI DINESH	Mechanical
18	U20ME022	KOTA RAJ KUMAR	Mechanical
19	U20ME023	KURAKULA GOVARDHAN	Mechanical
20	U20ME025	MOHAN BABU B	Mechanical
21	U20ME027	NANGINENI TRINADH SAI	Mechanical
22	U20ME028	NETHAJI K	Mechanical
23	U20ME029	PALLA PRADEEP KUMAR YADAV	Mechanical
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38	U20ME048	SABARINATHAN D	Mechanical
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42	U20ME703	KRISHNA KUMAR S	Mechanical

43	U20ME704	MAGESHWARAN R	Mechanical
44	U20ME705	MOHAMED MUZAFFER D	Mechanical
45	U20ME706	NARESH KUMAR V	Mechanical
46	U20ME707	SANTHOSHKUMAR A	Mechanical
47	U20ME708	SURYA R	Mechanical
48	U20ME709	NANDHAKUMAR R	Mechanical
49	U20ME710	ASHOK KUMAR S	Mechanical
50	U20ME711	HARISH B	Mechanical
51	U20ME712	ANUSHANTH K	Mechanical
52	U20AM001	ALTAMASH FAROOQUI	Automobile
53	U20AM002	BESTA RAMA KALYAN	Automobile
54	U20AM003	CHINTA DINESH	Automobile
55	U20AM004	DEEPAK. B	Automobile
56	U20MT005	KISHORE P	Mechatronics
57	U20MT006	KRITHISH R	Mechatronics
58	U20MT007	MANGILIPUTI NEEMA	Mechatronics



PHOTO





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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*

Date : *17-07-2022*

Event / Speaker Name : *Advertising, Public Relation and Sponsorship*

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

S.NO	Parameters	Below Average	Average	Good	Excellent	Outstanding
1.	The Topic			/		
	The choice of topic was relevant to me			/		
2.	The Lecturer / Speaker			/		
	Self-confidence			/		
	Communication skills				/	
	Doubts/ queries were answered satisfactorily				/	
3.	The Content (Topic)				/	
	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):

Excellent



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INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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Requisition Letter

Date: 17.07.2022

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 on “Skill Development on CNC Lathe Machine” on 22/08/2022 to 26/08/2022. In this regard we kindly request you to grant permission for the same.

Thanking You

HOD/MECH

Dean Engineering



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

Date: 01.08.2022

Department of Mechanical Engineering

Circular

The of Department of Mechanical Engineering, BIHER glad to conduct on five days value added program on “**Skill Development on CNC Lathe Machine**” from 22.08.2022 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.Arun.V Rejuskumar and Dr.D.Ravi

Maximum no. of registration Allowed – 60.

***First come first serve basis.**

Program coordinator

Mr.V.P.Durairaj



Department of Mechanical Engineering

Skill Development on “Skill Development on CNC Lathe Machine”

Course Contents

1. Demonstrate use of Personal Protective Equipment (PPE). Exhibit First Aid Method and basic training. Precautions to be followed while working. Demonstrate Safe use of tools and equipment used in the trade. Exhibit use of Fire Extinguishers in case of Fire.
2. Work piece setup on Milling Machine. Loading and unloading of cutting tools. Identify the tool life. Select proper G and M codes in MDI mode or make a small program for simple operation. Perform basic operations like step milling, slot milling, angle milling
3. Identify the work holding devices, like three jaw and four jaw chucks and face plates. Component clamping and trueing. Performing simple metal cutting operations like OD turning, facing, taper turning, grooving etc. Inspect the product quality by using measuring instrument
4. List out the conventional manufacturing processes. List non- conventional manufacturing processes. Explain Industrial revolution 4.0 Prepare check list of basic standard operating procedure of CNC machine.
5. Identify the G code & list out the machine movement. Identify M code & list out the machine movement. Understand safe starting codes. Create simple turning programme using G code & M code
6. Understanding of different surface roughness symbols. Identifying the machining process with help of surface finish symbol. Decide speed / feed required for required surface finish



Department of Mechanical Engineering

One Week Value added Program on Skill Development on CNC Lathe Machine

“Aug 2022

Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 3:30 PM)
22 .08 .2022 (Monday)	1. Mr Dr.D.Ravi Demonstrate use of Personal Protective Equipment (PPE). Exhibit First Aid Method and basic training. Precautions to be followed while working	.Arun.V Rejuskumar Demonstrate Safe use of tools and equipment used in the trade. Exhibit use of Fire Extinguishers in case of Fire.
23.08.2022 (Tuesday)	.Arun.V Rejuskumar Work piece setup on Milling Machine. Loading and unloading of cutting tools. Identify the tool life. Select proper G and codes in MDI mode or make a small program for simple operation	Dr.D.Ravi Perform basic operations like step milling, slot milling, angle milling
24.08.2022 (Wednesday)	Dr.D.Ravi Identify the work holding devices, like three jaw and four jaw chucks and face plates. Component clamping and trueing.	.Arun.V Rejuskumar Performing simple metal cutting operations like OD turning, facing, taper turning, grooving etc. Inspect the product quality by using measuring instrument
25 .08.2022 (Thursday)	.Arun.V Rejuskumar List out the conventional manufacturing processes. List non- conventional manufacturing processes	Dr.D.Ravi Explain Industrial revolution 4.0 Prepare check list of basic standard operating procedure of CNC machine.
26.08.2022 (Friday)	Dr.D.Ravi Identify the G code & list out the machine movement. Identify M code & list out the machine movement. Understand safe starting codes. Create simple turning programme using G code & M code	.Arun.V Rejuskumar Understanding of different surface roughness symbols. Identifying the machining process with help of surface finish symbol. Decide speed / feed required required surface finish

Program Coordinator:

Mr.V.P.Durairaj ,
 Assistant Professor,
E-Mail: vpdurairaj57@gmail.com



Attendance sheet

Department of Mechanical

Value Added Course - Course on Skill Development on CNC Machine

PARTICIPANTS LIST

Sl.No	Reg.No	Students Name	Department
1	U20ME003	BADINENI DEEKSHANAND	Mechanical
2	U20ME004	BAGAMMAGARI SAINIKHIL GOUD	Mechanical
3	U20ME005	BOLAGANI MANIKANTA RAYUDU	Mechanical
4	U20ME006	BOMMANA UMAKANTH REDDY	Mechanical
5	U20ME007	CHAPPIDI VISHNU VARDHAN	Mechanical
6	U20ME008	CHINNAMGARI GAJALAKSHMI	Mechanical
7	U20ME009	DARELLI UDAY	Mechanical
8	U20ME010	DUNNA SAI KUMAR	Mechanical
9	U20ME011	GADAGONI SAITEJA	Mechanical
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14	U20ME016	JANAPAREDDY SUBHASH	Mechanical
15	U20ME017	JERRIBANDA NARASIMHA REDDY	Mechanical
16	U20ME018	KALIDINDI DUSHYANTH VARMA	Mechanical
17	U20ME020	KAMBHAM VENKAT REDDY	Mechanical
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20	U20ME023	KURAKULA GOVARDHAN	Mechanical
21	U20ME025	MOHAN BABU B	Mechanical
22	U20ME027	NANGINENI TRINADH SAI	Mechanical
23	U20ME028	NETHAJI K	Mechanical
24	U20ME029	PALLA PRADEEP KUMAR YADAV	Mechanical
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26	U20ME031	PINNITI MANIKANTA	Mechanical
27	U20ME032	PINNINTI APUROOP KUMAR	Mechanical
28	U20ME033	PUKKALLA HEMANTH RAO	Mechanical
29	U20ME034	PUPPALA BHADRA SAI VENKATA SWAMY	Mechanical
30	U20ME035	RAGHA DEVAN S	Mechanical
31	U20ME036	RAMIREDDY BALA NARASIMHA REDDY	Mechanical
32	U20ME038	SANJAY P	Mechanical
33	U20ME039	SHAIK SUBHANI	Mechanical
34	U20ME041	SUJITH S	Mechanical
35	U20ME042	SUSHANT .	Mechanical
36	U20ME043	VEERACHERAN K	Mechanical
37	U20ME044	VENKATRAMAN S	Mechanical

38	U20ME027	NANGINENI TRINADH SAI	Mechanical
39	U20ME028	NETHAJI K	Mechanical
40	U20ME029	PALLA PRADEEP KUMAR YADAV	Mechanical
41	U20ME030	PENUMAKA MANI VENKATA RAM KUMAR	Mechanical
42	U20ME031	PINNITI MANIKANTA	Mechanical
43	U20ME032	PINNINTI APUROOP KUMAR	Mechanical
44	U20ME033	PUKKALLA HEMANTH RAO	Mechanical
45	U20ME045	VINOTHKUMAR S	Mechanical
46	U20ME048	SABARINATHAN D	Mechanical
47	U20ME049	SUDDAMALLA AMARA MAHESWARA REDDY	Mechanical
48	U20AM701	NIRMAL.A	Automobile
49	U20AM702	ADELBERT PARIAT	Automobile
50	U20AM703	VINODH KUMAR.U	Automobile
51	U20AM705	MOHAMMAD HAFEEZ	Automobile
52	U20AM706	MOHAMMED AMAAN MOHIUDDIN	Automobile
53	U20AM707	LATCHMIPATHY. D	Automobile
54	U20AM708	RAMANUJAM.R	Automobile
55	U20MT005	KISHORE P	Mechatronics
56	U20MT006	KRITHISH R	Mechatronics
57	U20MT007	MANGILIPUTI NEEMA	Mechatronics
58	U20MT008	MANI DEEPAK T V	Mechatronics
59	U20MT009	MENDA HEMANTH KUMAR	Mechatronics
60	U20MT010	MOHAMED ALI HADHI M R	Mechatronics

Feedback Form



Bharath

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

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 : 09.12.2015
 Event / Speaker Name : Skill Development on CNC Lathe machine

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

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

- 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
				<input checked="" type="checkbox"/>

- Comments (If any): The presentation was Overall Very Good.



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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 : Electrical Engineering
Date : 09/12/2015
Event / Speaker Name : Skill development on core lathe M/C

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

S.NO	Parameters	Below Average	Average	Good	Excellent	Outstanding
1.	The Topic					
	The choice of topic was relevant to me				✓	
2.	The Lecturer / Speaker					
	Self-confidence				✓	
	Communication skills				✓	
	Doubts/ queries were answered satisfactorily				✓	
3.	The Content (Topic)					
	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):

good

Certificate



Skill Development on CNC Lathe Machine – Image





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Requisition Letter

Date: 15.09.2022

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 “Course on Industrial Automation and FMS” from 17/10/2022 to 21/10/2022. In this regard we kindly request you to grant permission for the same.

Thanking You

HOD/MECH

Dean Engineering



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

Date:3.10.2022

Department of Mechanical Engineering

Circular

The of Department of Mechanical Engineering, BIHER is glad to conduct five days value added program entitled “**Course on Industrial Automation and FMS**” from 17.10.2022to 21.10.2022 for 30 hours. Those who are interested to participate do register your name to the program coordinator.

The registered students must attend all the classes without fail. The students who have completed the course successfully with good score will get the course completion certificate from the institute/Department.

Resource person: Dr.Hariharan and Dr. K. Selvakumar

Maximum no. of registration Allowed – 60.

Program coordinator

Dr.V.Jaiganesh



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INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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Department of Mechanical Engineering

**Course on Industrial Automation and FMS” from 17.10.2022to
21.10.2022**

MODULE I

Automation in Production System, Principles and Strategies of Automation, Basic Elements of an Automated System, Advanced Automation Functions, Levels of Automations. Production Economics: Methods of Evaluating Investment Alternatives, Costs in Manufacturing, Break Even Analysis, Unit cost of production, Cost of Manufacturing Lead time and Work-in-process.

MODULE II

Automated Flow lines, Methods of Work part Transport, Transfer Mechanism, Buffer Storage, Control Functions, and Automation for Machining Operations, Design and Fabrication Considerations. Analysis of Automated Flow Lines: General Terminology and Analysis, Analysis of Transfer Lines Without Storage, Partial Automation, Computer Simulation of Automated Flow Lines.

MODULE III

Design for Automated Assembly, Types of Automated Assembly Systems, Part Feeding Devices, Analysis of Multi-station Assembly Machines, Analysis of a Single Station Assembly Machine. Inspection and testing, Statistical Quality Control, Automated Inspection Principles and Methods, Sensor Technologies for Automated Inspection, Coordinate Measuring Machines, Other Contact Inspection Methods, Machine Vision, Other optical Inspection Methods

MODULE IV

Introduction – Composition of FMS– Hierarchy of Computer Control –Computer Control of Work Centre and Assembly Lines – FMS Supervisory Computer Control – Types of Software Specification and Selection – Trends.

MODULE V

FMS SIMULATION AND DATA BASE 9 Application of Simulation – Model of FMS– Simulation Software – Limitation – Manufacturing Data Systems – Data Flow – FMS Database Systems – Planning for FMS Database.



Department of Mechanical Engineering
One Week Value added Program Course on Industrial
Automation and FMS

Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 3:30 PM)
17.10.2022	Program Inauguration Dr. R. Hariharan <ul style="list-style-type: none"> Automation in Production System, Principles and Strategies of Automation, Basic Elements of an Automated System, Advanced Automation Functions, Levels of Automations 	Dr. K. Selvakumar Production Economics: Methods of Evaluating Investment Alternatives, Costs in Manufacturing, Break Even Analysis, Unit cost of production, Cost of Manufacturing Lead time and Work-in-process.
18.10.2022	Dr. K. Selvakumar <ul style="list-style-type: none"> Automated Flow lines, Methods of Work part Transport, Transfer Mechanism, Buffer Storage, Control Functions, and Automation for Machining Operations, Design and Fabrication Considerations. Analysis of Automated Flow Lines: 	Dr. R. Hariharan <ul style="list-style-type: none"> General Terminology and Analysis, Analysis of Transfer Lines Without Storage, Partial Automation, Computer Simulation of Automated Flow Lines
19.10.2022	Dr. R. Hariharan Design for Automated Assembly, Types of Automated Assembly Systems, Part Feeding Devices, Analysis of Multi-station Assembly Machines, Analysis of a Single Station Assembly Machine. Inspection and testing, Statistical Quality Control	Dr. K. Selvakumar Automated Inspection Principles and Methods, Sensor Technologies for Automated Inspection, Coordinate Measuring Machines, Other Contact Inspection Methods, Machine Vision, Other optical Inspection Methods
20.10.2022	Dr. K. Selvakumar <ul style="list-style-type: none"> Introduction – Composition of FMS– Hierarchy of Computer Control –Computer Control of Work Centre and Assembly Lines 	Dr. R. Hariharan <ul style="list-style-type: none"> FMS Supervisory Computer Control – Types of Software Specification and Selection – Trends.
21.10.2022	Dr. R. Hariharan <ul style="list-style-type: none"> FMS SIMULATION AND DATA BASE 9 Application of Simulation – Model of FMS– Simulation Software – Limitation – Manufacturing Data Systems 	Dr. K. Selvakumar <ul style="list-style-type: none"> Data Flow – FMS Database Systems – Planning for FMS Database. <i>Quiz/ Feedback / valedictory Session</i>

Program Coordinator:

Dr.V.Jaiganesh

A Professor,

E-Mail: jaiganesh.mech@bharathuniv.ac.in



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Department of Mechanical

Value Added Course - Course on Industrial Automation and FMS

PARTICIPANTS LIST

Sl.No	Reg.No	Students Name	Department
1	U20ME003	BADINENI DEEKSHANAND	Mechanical
2	U20ME004	BAGAMMAGARI SAINIKHIL GOUD	Mechanical
3	U20ME005	BOLAGANI MANIKANTA RAYUDU	Mechanical
4	U20ME006	BOMMANA UMAKANTH REDDY	Mechanical
5	U20ME007	CHAPPIDI VISHNU VARDHAN	Mechanical
6	U20ME008	CHINNAMGARI GAJALAKSHMI	Mechanical
7	U20ME009	DARELLI UDAY	Mechanical
8	U20ME010	DUNNA SAI KUMAR	Mechanical
9	U20ME011	GADAGONI SAITEJA	Mechanical
10	U20ME012	GADULA VAMSI DURGA	Mechanical
11	U20ME013	GARAGA JYOTHI SWAROOP	Mechanical
12	U20ME014	GUNDABATHULA VARA PRASAD	Mechanical
13	U20ME015	JAKKAMSETTI TARUN KUMAR	Mechanical
14	U20ME016	JANAPAREDDY SUBHASH	Mechanical
15	U20ME017	JERRIBANDA NARASIMHA REDDY	Mechanical
16	U20ME018	KALIDINDI DUSHYANTH VARMA	Mechanical
17	U20ME020	KAMBHAM VENKAT REDDY	Mechanical
18	U20ME021	KOLASANI DINESH	Mechanical
19	U20ME022	KOTA RAJ KUMAR	Mechanical
20	U20ME023	KURAKULA GOVARDHAN	Mechanical
21	U20ME025	MOHAN BABU B	Mechanical
22	U20ME701	ASHWIN KUMAR J R	Mechanical
23	U20ME702	BHARATH S	Mechanical
24	U20ME703	KRISHNA KUMAR S	Mechanical
25	U20ME704	MAGESHWARAN R	Mechanical
26	U20ME705	MOHAMED MUZAFFER D	Mechanical
27	U20ME706	NARESH KUMAR V	Mechanical
28	U20ME707	SANTHOSHKUMAR A	Mechanical
29	U20ME708	SURYA R	Mechanical
30	U20ME709	NANDHAKUMAR R	Mechanical
31	U20ME710	ASHOK KUMAR S	Mechanical
32	U20ME711	HARISH B	Mechanical
33	U20ME712	ANUSHANTH K	Mechanical
34	U20ME715	KAMALESHWAR T	Mechanical
35	U20ME716	PRAVEEN R	Mechanical
36	U20ME717	BARATH KUMAR S	Mechanical
37	U20ME718	AKASH S	Mechanical
38	U20ME719	DHATCHANAMOORTHI N	Mechanical

39	U20ME721	SAI SANTHOSH	Mechanical
40	U20ME722	ABISHEIK S	Mechanical
41	U20ME723	KISHORE D	Mechanical
42	U20ME724	RAMADEEBAN R	Mechanical
43	U20ME726	ANTHONY GURUS JONEL A	Mechanical
44	U20ME727	ENUMULA THIRUMALA MANIKANTA	Mechanical
45	U20ME728	THIVAKAR R	Mechanical
46	U20ME729	PITTA SAIKRISHNA	Mechanical
47	U20ME730	PRAVEEN KUMAR D	Mechanical
48	U20ME731	GOWTHAMAN G	Mechanical
49	U20ME732	ROHITH V S	Mechanical
50	U20ME733	NAVEEN M	Mechanical
51	U20ME734	PATHIKA NARASIMHA REDDY	Mechanical
52	U20ME735	THOGARCHETY AKHIL	Mechanical
53	U20AM003	CHINTA DINESH	Automobile
54	U20AM004	DEEPAK. B	Automobile
55	U20AM005	HARISH RAGHAVENDRA.V	Automobile
56	U20MT701	MADHANRAJ T	Mechatronics
57	U20MT702	SUBASH D	Mechatronics
58	U20MT703	SATHISH RAJ R	Mechatronics
59	U20MT704	YUVARAJ K	Mechatronics
60	U20MT705	ARULWIN REX R	Mechatronics

Certificate

	Bharath INSTITUTE OF HIGHER EDUCATION AND RESEARCH <small>(Declared as Deemed-to-be University under section 3 of UGC Act, 1956)</small>	
BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY DEPARTMENT OF MECHANICAL ENGINEERING		
— CERTIFICATE OF PARTICIPATION —		
This is to certify that THULASI VASAN N(U21ME019) of Department of Mechanical, Bharath Institute of Higher and Research		
For attending value add course on Course on Industrial Automation and FMS organized by Department of Mechanical, Bharath Institute of Science and Technology, Selaiyur, Chennai - 73 held on 17.10.2022 to 21.010.2022		
 Organizing Secretary (Dr.V.Jaiganesh, BIHER)		 Convenor/HOD (Dr.V.Balambica, BIHER)

PHOTO





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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

Date : 23-10-2022

Event / Speaker Name : Course on Industrial Automation and EMS

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

S.NO	Parameters	Below Average	Average	Good	Excellent	Outstandi
1.	The Topic					✓
	The choice of topic was relevant to me					✓
2.	The Lecturer / Speaker				✓	
	Self-confidence				✓	
	Communication skills				✓	
	Doubts/ queries were answered satisfactorily			✓		
3.	The Content (Topic)			✓		
	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):

Excellent



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Requisition Letter

Date: 15.10.2022

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 “COMPUTER-IN DESIGN, PHOTOSHOP AND CORELDRAW” from 21/11/2022 to 25/11/2022. In this regard we kindly request you to grant permission for the same.

Thanking You

HOD/MECH

Dean Engineering



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Date:3.11.2022

Department of Mechanical Engineering

Circular

The of Department of Mechanical Engineering, BIHER is glad to conduct five days value added program entitled “ COMPUTER-IN DESIGN, PHOTOSHOP,CORELDRAW” from 21.11.2022to 25.11.2022 for 30 hours. Those who are interested to participate do register your name to the program coordinator.

The registered students must attend all the classes without fail. The students who have completed the course successfully with good score will get the course completion certificate from the institute/Department.

Resource person: Dr.Hariharan and Dr. K. Selvakumar

Maximum no. of registration Allowed – 60.

Program coordinator

Dr.M,Ramarao



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Department of Mechanical Engineering

Computer-InDesign, Photoshop, Corel Draw

OBJECTIVE:

- The aim of the subject is to provide make the students to understand the Computer-InDesign, Photoshop, Corel Draw.
- Develop understanding of vector drawing and creation of design through vector software.
- Develop understanding of photo editing and creation of raster images through software.
- Understanding practical applications of graphic designing.

MODULE 1 Advanced Manufacturing Processes

(10Hrs)

[DAY: 1]

- Introduction to tools selection
- Drawing & colouring

[DAY: 2]

- Working with text
- Applying effects

[DAY: 3]

Working with bitmap & web resources

MODULE II

(10Hrs)

[DAY: 4]

- Introduction to tools selection & colour models
- Working with layers
- Creating shapes & painting

[DAY: 5]

- Transforming & retouching
- Colour & tonal adjustment
- Filters and their specific effects

(10 Hrs)

- Working with type
- Saving a file



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Department of Mechanical Engineering
One Week Value added Program on Computer-InDesign,
Photoshop, Corel Draw

Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 3:30 PM)
21.11.2022	Program Inauguration Dr. R. Hariharan <ul style="list-style-type: none">• Introduction to tools selection• Drawing & colouring	Dr. K. Selvakumar <ul style="list-style-type: none">• Working with text• Applying effects
22.11.2022	Dr. K. Selvakumar <ul style="list-style-type: none">• Working with bitmap & web resources	Dr. R. Hariharan <ul style="list-style-type: none">• Introduction to tools selection & colour models• Working with layers• Creating shapes & painting
23.11.2022	Dr. R. Hariharan <ul style="list-style-type: none">• Transforming & retouching• Colour & tonal adjustment	Dr. K. Selvakumar <ul style="list-style-type: none">• Introduction to tools selection & colour models• Applying effects
24.11.2022	Dr. K. Selvakumar <ul style="list-style-type: none">• Filters and their specific effects• Working with type• Saving a file	Dr. R. Hariharan <ul style="list-style-type: none">• Introduction to tools selection• Drawing & colouring
25.11.2022	Dr. R. Hariharan <ul style="list-style-type: none">• Working with text• Applying effects• Introduction to tools selection & colour models• Working with layers• Creating shapes & painting	Dr. K. Selvakumar <ul style="list-style-type: none">• Working with bitmap & web resources• Transforming & retouching• Colour & tonal adjustment <p><i>Quiz/ Feedback / valedictory Session</i></p>

Program Coordinator:

Dr.M.Ramarao

Associate Professor,

E-Mail:ramarao.mech@bharathuniv.ac.in



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Department of Mechanical
Value Added Course -Managing Sports Organization
PARTICIPANTS LIST

Sl.No	Reg.No	Students Name	Department
1	U21ME701	BACHALAKURI KOUSHIK	Mechanical
2	U21ME702	BASAM ROHITH	Mechanical
3	U21ME703	TARUN TEJA	Mechanical
4	U21ME704	CHALLA HARISHWAR REDDY	Mechanical
5	U21ME705	CHINNAMALLELA GIPSON DANIEL PUP	Mechanical
6	U21ME706	GARIKAPATI CHAITANYA GOKUL	Mechanical
7	U21ME707	GOKULNATH V	Mechanical
8	U21ME708	KAMESH L	Mechanical
9	U21ME709	KARTHICK K	Mechanical
10	U21ME710	KENNETH PAUL THOMAS R	Mechanical
11	U21ME711	MAAGESH RAJ K J	Mechanical
12	U21ME712	SANTOSH M	Mechanical
13	U21ME713	NARLA VINAY KUMAR	Mechanical
14	U21ME714	PERAM ARUN TEJA	Mechanical
15	U21ME715	D PRASANTH	Mechanical
16	U21ME716	SAKTIVEL	Mechanical
17	U21ME717	SHYAM VIGNESH K	Mechanical
18	U21ME718	SINGIDI YASHWANTH REDDY	Mechanical
19	U21ME719	THIRUMALAI V	Mechanical
20	U21ME720	VASANTHAN T	Mechanical
21	U21ME721	AHAMAD NOOR	Mechanical
22	U21ME722	VIGNESH G	Mechanical
23	U21ME723	CHINNA SWAMI	Mechanical
24	U20ME003	BADINENI DEEKSHANAND	Mechanical
25	U20ME004	BAGAMMAGARI SAINIKHIL GOUD	Mechanical
26	U20ME005	BOLAGANI MANIKANTA RAYUDU	Mechanical
27	U20ME006	BOMMANA UMAKANTH REDDY	Mechanical
28	U20ME007	CHAPPIDI VISHNU VARDHAN	Mechanical
29	U20ME008	CHINNAMGARI GAJALAKSHMI	Mechanical
30	U20ME009	DARELLI UDAY	Mechanical
31	U20ME010	DUNNA SAI KUMAR	Mechanical
32	U20ME011	GADAGONI SAITEJA	Mechanical
33	U20ME012	GADULA VAMSI DURGA	Mechanical
34	U20ME013	GARAGA JYOTHI SWAROOP	Mechanical
35	U20ME014	GUNDABATHULA VARA PRASAD	Mechanical

36	U20ME015	JAKKAMSETTI TARUN KUMAR	Mechanical
37	U20ME016	JANAPAREDDY SUBHASH	Mechanical
38	U20ME017	JERRIBANDA NARASIMHA REDDY	Mechanical
39	U20ME018	KALIDINDI DUSHYANTH VARMA	Mechanical
40	U20ME020	KAMBHAM VENKAT REDDY	Mechanical
41	U20ME021	KOLASANI DINESH	Mechanical
42	U20ME022	KOTA RAJ KUMAR	Mechanical
43	U20ME023	KURAKULA GOVARDHAN	Mechanical
44	U20ME025	MOHAN BABU B	Mechanical
45	U20ME751	MOHAMMED AASHIQ ALI S	Mechanical
46	U20ME753	MADHAN RAJ S	Mechanical
47	U20ME754	GOKHUL M I	Mechanical
48	U20ME755	MUJINOOR RAHMAN A	Mechanical
49	U20ME756	TAMILSELVAN K	Mechanical
50	U20ME757	KAKARLA MALLIKARJUN REDDY	Mechanical
51	U20ME758	BADVELI SUDHEER KUMAR REDDY	Mechanical
52	U20AM005	HARISH RAGHAVENDRA.V	Automobile
53	U20AM006	KALEVARUBHARATH LAKSHMI GANESH	Automobile
54	U20AM007	MUTHISHWARAN M	Automobile
55	U20AM008	NAVEEN.T	Automobile
56	U20MT020	RAJESH R	Mechatronics
57	U20MT701	MADHANRAJ T	Mechatronics
58	U20MT702	SUBASH D	Mechatronics
59	U20MT703	SATHISH RAJ R	Mechatronics
60	U20MT704	YUVARAJ K	Mechatronics



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**BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING**

— CERTIFICATE OF PARTICIPATION —

This is to certify that

MADHAN RAJ S(U20ME753) of Department of Mechanical
Bharath Institute of Higher Education and Research

For attending Value add Program **on Computer-InDesign, Photoshop, Corel Draw** organized by
Department of Mechanical, Bharath Institute of Science and Technology,
Selaiyur, Chennai - 73 held on 21.11.2022 to 25.11.2022

Organizing Secretary
(Dr.M.Ramarao BIHER)

Convenor/HOD
(Dr.V.Balambica, BIHER)

PHOTO





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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

Date : 27-11-2022

Event / Speaker Name : Computer - In Design, photoshop, Corel draw

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

S.NO	Parameters	Below Average	Average	Good	Excellent	Outstandi
1.	The Topic					✓
	The choice of topic was relevant to me					✓
2.	The Lecturer / Speaker					✓
	Self-confidence					✓
	Communication skills				✓	
	Doubts/ queries were answered satisfactorily			✓		
3.	The Content (Topic)					✓
	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):

Good & Satisfactory



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Requisition Letter

Date: 01.12.2022

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 on “Managing Sports Organization” on 02/01/2023 to 7/01/23. In this regard we kindly request you to grant permission for the same.

Thanking You

HOD/MECH

Dean Engineering



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

Date: 15.12.2022

Department of Mechanical Engineering

Circular

The of Department of Mechanical Engineering, BIHER glad to conduct on five days value added program on “Managing Sports Organization” from 02.01.2023 to 7.01.2023 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: Dr. R. Hariharan and Dr.D. Ravi

Maximum no. of registration Allowed – 60.

***First come first serve basis.**

Program coordinator

Dr.N.P.Natarajan



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

Department of Mechanical Engineering

Managing Sports Organization

OBJECTIVE:

- The aim of the subject is to provide make the students to understand the Leadership Principles in Sports .
- To emphasize the knowledge on the quality improvement, automation, and advanced manufacturing techniques to create the highest-caliber products quickly, efficiently, inexpensively, and in synchronization with the marketing, sales, and customer service of the company.

**MODULE 1 Advanced Manufacturing Processes
(10Hrs)**

[DAY: 1]

Leadership :- Meaning, Management and Leadership in the past and 21st century, Formal and Informal Leadership.

[DAY: 2]

Studies in Leadership:- Ohio State Leadership studies, Trait theories of leadership, Contingency theory, Charismatic Leadership theories, Transactional and Transformational leadership.

[DAY: 3]

Issues in Leadership :- Different Leadership styles, Authentic leadership, Trust and Leadership – a relevant issue in sports, Global Leadership in sports across culture.

MODULE II

(5 Hrs)

[DAY: 4]

. Leadership in Sporting World in the 21st Century :- National and International Sports Organisations - CAB, IFA, AIFF, BCCI, FIFA, ICC, IOA, BTTA.

MODULE III

[DAY: 5]

Case Study on Successful Leadership from Sporting World and Presentation. **(10 Hrs)**

MODULE IV

[DAY: 6]

(5 Hrs)

Role and Activities of Successful Leaders in Sports Management Organizations.



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Department of Mechanical Engineering

One Week Value added Program on “Managing Sports

Organization ” 4th Feb to 11th Feb 2019

Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 3:30 PM)
02– 01– 2023 (Monday)	Program Inauguration Dr. R. Hariharan Meaning, Management and Leadership in the past and 21st century, Formal and Informal Leadership.	Dr. D. Ravi Ohio State Leadership studies, Trait theories of leadership, Contingency theory, Charismatic Leadership theories, Transactional and Transformational leadership.
03 – 01 – 2023 (Tuesday)	Dr. D. Ravi Different Leadership styles, Authentic leadership, Trust and Leadership – a relevant issue in sports, Global Leadership in sports across culture.	Dr. R. Hariharan National and International Sports Organisations - CAB, IFA, AIFF, BCCI, FIFA, ICC, IOA, BTTA.
04–01–2023 (Wednesday)	Dr. R. Hariharan Case Study on Successful Leadership from Sporting World and Presentation.	Dr. D. Ravi Role and Activities of Successful Leaders in Sports Management Organizations.
05 – 01 – 2019 (Thursday)	Dr. D. Ravi Ohio State Leadership studies, Trait theories of leadership, Contingency theory, Charismatic Leadership theories, Transactional and Transformational leadership.	Dr. R. Hariharan Meaning, Management and Leadership in the past and 21st century, Formal and Informal Leadership.
06 – 01 – 2019 (Friday)	Dr. R. Hariharan National and International Sports Organisations - CAB, IFA, AIFF, BCCI, FIFA, ICC, IOA, BTTA.	Dr. D. Ravi Different Leadership styles, Authentic leadership, Trust and Leadership – a relevant issue in sports, Global Leadership in sports across culture.
07 – 01 – 2019 (Saturday)	Dr. D. Ravi Role and Activities of Successful Leaders in Sports Management Organizations.	Dr. R. Hariharan Case Study on Successful Leadership from Sporting World and Presentation. <i>Quiz/ Feedback / valedictory Session</i>

Dr.N.P.Natarajan

Program Coordinator:

Professor,

E-Mail: Natarajan.mech@bharathuniv.ac.in



Department of Mechanical
Value Added Course -Managing Sports Organization
PARTICIPANTS LIST

Sl.No	Reg.No	Students Name	Department
1	U21ME701	BACHALAKURI KOUSHIK	Mechanical
2	U21ME702	BASAM ROHITH	Mechanical
3	U21ME703	TARUN TEJA	Mechanical
4	U21ME704	CHALLA HARISHWAR REDDY	Mechanical
5	U21ME705	CHINNAMALLELA GIPSON DANIEL PUP	Mechanical
6	U21ME706	GARIKAPATI CHAITANYA GOKUL	Mechanical
7	U21ME707	GOKULNATH V	Mechanical
8	U21ME708	KAMESH L	Mechanical
9	U21ME709	KARTHICK K	Mechanical
10	U21ME710	KENNETH PAUL THOMAS R	Mechanical
11	U21ME711	MAAGESH RAJ K J	Mechanical
12	U21ME712	SANTOSH M	Mechanical
13	U21ME713	NARLA VINAY KUMAR	Mechanical
14	U21ME714	PERAM ARUN TEJA	Mechanical
15	U21ME715	D PRASANTH	Mechanical
16	U21ME716	SAKTIVEL	Mechanical
17	U21ME717	SHYAM VIGNESH K	Mechanical
18	U21ME718	SINGIDI YASHWANTH REDDY	Mechanical
19	U21ME719	THIRUMALAI V	Mechanical
20	U21ME720	VASANTHAN T	Mechanical
21	U21ME721	AHAMAD NOOR	Mechanical
22	U21ME722	VIGNESH G	Mechanical
23	U21ME723	CHINNA SWAMI	Mechanical
24	U20ME003	BADINENI DEEKSHANAND	Mechanical
25	U20ME004	BAGAMMAGARI SAINIKHIL GOUD	Mechanical
26	U20ME005	BOLAGANI MANIKANTA RAYUDU	Mechanical
27	U20ME006	BOMMANA UMAKANTH REDDY	Mechanical
28	U20ME007	CHAPPIDI VISHNU VARDHAN	Mechanical
29	U20ME008	CHINNAMGARI GAJALAKSHMI	Mechanical
30	U20ME009	DARELLI UDAY	Mechanical
31	U20ME010	DUNNA SAI KUMAR	Mechanical
32	U20ME011	GADAGONI SAITEJA	Mechanical
33	U20ME012	GADULA VAMSI DURGA	Mechanical
34	U20ME013	GARAGA JYOTHI SWAROOP	Mechanical
35	U20ME014	GUNDBATHULA VARA PRASAD	Mechanical
36	U20ME015	JAKKAMSETTI TARUN KUMAR	Mechanical
37	U20ME016	JANAPAREDDY SUBHASH	Mechanical
38	U20ME017	JERRIBANDA NARASIMHA REDDY	Mechanical
39	U20ME018	KALIDINDI DUSHYANTH VARMA	Mechanical
40	U20ME020	KAMBHAM VENKAT REDDY	Mechanical

41	U20ME021	KOLASANI DINESH	Mechanical
42	U20ME022	KOTA RAJ KUMAR	Mechanical
43	U20ME023	KURAKULA GOVARDHAN	Mechanical
44	U20ME025	MOHAN BABU B	Mechanical
45	U20ME751	MOHAMMED AASHIQ ALI S	Mechanical
46	U20ME753	MADHAN RAJ S	Mechanical
47	U20ME754	GOKHUL M I	Mechanical
48	U20ME755	MUJINOOR RAHMAN A	Mechanical
49	U20ME756	TAMILSELVAN K	Mechanical
50	U20ME757	KAKARLA MALLIKARJUN REDDY	Mechanical
51	U20ME758	BADVELI SUDHEER KUMAR REDDY	Mechanical
52	U20AM005	HARISH RAGHAVENDRA.V	Automobile
53	U20AM006	KALEVARUBHARATH LAKSHMI GANESH	Automobile
54	U20AM007	MUTHISHWARAN M	Automobile
55	U20AM008	NAVEEN.T	Automobile
56	U20MT020	RAJESH R	Mechatronics
57	U20MT701	MADHANRAJ T	Mechatronics
58	U20MT702	SUBASH D	Mechatronics
59	U20MT703	SATHISH RAJ R	Mechatronics
60	U20MT704	YUVARAJ K	Mechatronics

Certificate

	Bharath INSTITUTE OF HIGHER EDUCATION AND RESEARCH <small>(Declared as Deemed-to-be University under section 3 of UGC Act, 1956)</small>	
BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY DEPARTMENT OF MECHANICAL ENGINEERING		
— CERTIFICATE OF PARTICIPATION —		
This is to certify that ASHWIN KUMAR J R(U20ME701) of Department of Mechanical, Bharath Institute of Higher and Research		
For attending value add course on Managing Sports Organization organized by Department of Mechanical, Bharath Institute of Science and Technology, Selaiyur, Chennai - 73 held on 2.01.2023 to 6.01.2023		
 Organizing Secretary (Dr.N.P.Natarajan, BIHER)		 Convenor/HOD (Dr.V.Balambica, BIHER)

Managing Sports Organization– Image





Bharath

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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*

Date : *7-1-2023*

Event / Speaker Name : *Managing sports organization*

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

S.NO	Parameters	Below Average	Average	Good	Excellent	Outstandi
1.	The Topic			✓		
	The choice of topic was relevant to me				✓	✓
2.	The Lecturer / Speaker					✓
	Self-confidence				✓	
	Communication skills				✓	
	Doubts/ queries were answered satisfactorily					✓
3.	The Content (Topic)					✓
	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):

Good, excellent



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Requisition Letter

Date: 020.01.2023

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 “PRINCIPLES OF MACROECONOMICS” FROM 06/02/2023 to 10/02/2023. In this regard we kindly request you to grant permission for the same.

Thanking You

HOD/MECH

Dean Engineering



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

Date: 01.02.2023

Department of Mechanical Engineering

Circular

The of Department of Mechanical Engineering, BIHER is glad to conduct five days value added program entitled “ PRINCIPLES OF MACROECONOMICS “from 06.02.2023 to 10.02.2023 for 30 hours. Those who are interested to participate do register your name to the program coordinator.

The registered students must attend all the classes without fail. The students who have completed the course successfully with good score will get the course completion certificate from the institute/Department.

Resource person: Mr. V. Jose Anand Vino and Dr. K. Selvakumar

Maximum no. of registration Allowed – 60.

Program coordinator

Mr.V.P.Durairaj



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INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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Department of Mechanical Engineering

Principles of Macroeconomics

OBJECTIVE:

- The aim of the subject is to provide make the students to understand the Principles of Macroeconomics.
- This course is designed to expose the students to the basic principles of microeconomic theory. The emphasis will be on thinking like an economist and the course will illustrate how microeconomic concepts can be applied to analyze real-life situations.
-

MODULE 1

(10Hrs)

Why study economics? Scope and method of economics; the economic problem: scarcity and choice; the question of what to produce, how to produce and how to distribute output; science of economics; the basic competitive model; prices, property rights and profits; incentives and information; rationing; opportunity sets; economic systems; reading and working with graphs.

MODULE II

(5 Hrs)

Markets and competition; determinants of individual demand/supply; demand/supply schedule and demand/supply curve ;concept of equilibrium, market versus individual demand/supply; shifts in the demand/supply curve, demand and supply together; how prices allocate resources; elasticity and its application; controls on prices; taxes and the costs of taxation; consumer surplus; producer surplus and the efficiency of the markets.

MODULE III

(10 Hrs)

The consumption decision - budget constraint, consumption and income/price changes, demand for all other goods and price changes; description of preferences (representing preferences with indifference curves); properties of indifference curves; consumer's optimum choice; income and substitution effects; Hicksian and Slutsky method of decomposition , labour supply and savings decision - choice between leisure and consumption, the theory of revealed preference.

MODULE IV

(5 Hrs)

Behaviour of profit maximizing firms and the production process; Concept of Iso-quant, firm's equilibrium, Concept of costs- fixed cost, variable cost, average cost, marginal cost, short run costs and output decisions; costs and output in the long run.



Department of Mechanical Engineering
One Week Value added Program on Principles of Macroeconomics

Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 4:30 PM)
06.02.2023	Program Inauguration : Mr. V. Jose Anand Vino Why study economics? Scope and method of economics; the economic problem: scarcity and choice; the question of what to produce, how to produce and how to distribute output; science of economics; the basic competitive model; prices, property rights and profits; incentives and information; rationing; opportunity sets; economic systems; reading and working with graphs.	Dr. K. Selvakumar Markets and competition; determinants of individual demand/supply; demand/supply schedule and demand/supply curve ;concept of equilibrium, market versus individual demand/supply; shifts in the demand/supply curve, demand and supply together; how prices allocate resources; elasticity and its application; controls on prices; taxes and the costs of taxation; consumer surplus; producer surplus and the efficiency of the markets.
07.02.2023	Dr. K. Selvakumar Behaviour of profit maximizing firms and the production process; Concept of Iso-quant, firm's equilibrium, Concept of costs- fixed cost, variable cost, average cost, marginal cost, short run costs and output decisions; costs and output in the long run.	Mr. V. Jose Anand Vino How prices allocate resources; elasticity and its application; controls on prices; taxes and the costs of taxation; consumer surplus; producer surplus and the efficiency of the markets.
08.02.2023	Mr. V. Jose Anand Vino The consumption decision - budget constraint, consumption and income/price changes, demand for all other goods and price changes; description of preferences (representing preferences with indifference curves).	Dr. K. Selvakumar The emphasis will be on thinking like an economist and the course will illustrate how microeconomic concepts can be applied to analyze real-life situations.
09.02.2023	Dr. K. Selvakumar how prices allocate resources; elasticity and its application; controls on prices; taxes and the costs of taxation; consumer surplus; producer surplus and the efficiency of the markets.	Mr. V. Jose Anand Vino The question of what to produce, how to produce and how to distribute output; science of economics; the basic competitive model; prices, property rights and profits; incentives and information; rationing; opportunity sets; economic systems; reading and working with graphs.

10.02.2023	Mr. V. Jose Anand Vino shifts in the demand/supply curve, demand and supply together; how prices allocate resources; elasticity and its application; controls on prices; taxes and the costs of taxation; consumer surplus; producer surplus and the efficiency of the markets.	Dr. K. Selvakumar property rights and profits; incentives and information; rationing; opportunity sets; economic systems; reading and working with graphs. <i>Quiz/ Feedback / valedictory Session</i>
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Program co-ordinator

Mr.VP.Durairaj



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

Department of Mechanical

Value Added Course Principles of Macroeconomics

PARTICIPANTS LIST

Sl.No	Reg.No	Students Name	Department
1	U21ME001	ABDUL BASITH A	Mechanical
2	U21ME002	ALAN JAMES JOY	Mechanical
3	U21ME003	BALU BHANU PRAKASH REDDY	Mechanical
4	U21ME004	GADI KULADEEP	Mechanical
5	U21ME006	MADDALA DURGA VENKATA NIKIL	Mechanical
6	U21ME007	MAGINAM MANI KANTA RAMARAJU	Mechanical
7	U21ME008	MD KAMAR RAZA	Mechanical
8	U21ME009	MUPPARAJU ADINARAYANA	Mechanical
9	U21ME010	PADMANABHAN L	Mechanical
10	U21ME011	PATLOLLA MADHUMOHAN REDDY	Mechanical
11	U21ME012	PUPPALA PAVAN KOTESWARA RAO	Mechanical
12	U21ME013	RATHISH KUMAR R	Mechanical
13	U21ME014	SANJAI K	Mechanical
14	U21ME016	SHAIK MAAZID	Mechanical
15	U21ME017	SHOURYA .	Mechanical
16	U21ME018	SHRI DHARSHAN R	Mechanical
17	U21ME019	THULASI VASAN N	Mechanical
18	U21ME021	PINNINTI DURGA VENKATA PRASANT	Mechanical
19	U21ME022	ZAFAR KHAN	Mechanical
20	U21ME023	KALAGATLA SATWIK	Mechanical
21	U21ME025	SURIYA PRAKASH M	Mechanical
22	U21ME027	YARRAMADDI GANANA SAI	Mechanical
23	U21ME028	KUNJAM GOWTHAM	Mechanical
24	U21ME029	MD SHAHBAZUL HAQUE	Mechanical
25	U20ME736	KALYANARENGAN R	Mechanical
26	U20ME737	CHAREN S	Mechanical
27	U20ME738	SUJITH KUMAR P	Mechanical
28	U20ME739	LOGESH D	Mechanical
29	U20ME740	PRANAV VISAKAN B	Mechanical
30	U20ME741	RAJAPANDI R	Mechanical
31	U20ME742	SARATH KUMAR S	Mechanical
32	U20ME743	THAMESH B	Mechanical
33	U20ME744	DINESH B	Mechanical
34	U20ME745	HINO L YEPTHO	Mechanical
35	U20ME746	SANTHOSH B	Mechanical
36	U20ME747	ALFRED M	Mechanical
37	U20ME748	HARIRAJAN R	Mechanical
38	U20ME749	VETRIVEL K	Mechanical
39	U20ME736	KALYANARENGAN R	Mechanical

40	U20ME737	CHAREN S	Mechanical
41	U20ME738	SUJITH KUMAR P	Mechanical
42	U20ME739	LOGESH D	Mechanical
43	U20ME751	MOHAMMED AASHIQ ALI S	Mechanical
44	U20ME753	MADHAN RAJ S	Mechanical
45	U20ME754	GOKHUL M I	Mechanical
46	U20ME755	MUJINOOR RAHMAN A	Mechanical
47	U20ME756	TAMILSELVAN K	Mechanical
48	U20ME757	KAKARLA MALLIKARJUN REDDY	Mechanical
49	U20ME758	BADVELI SUDHEER KUMAR REDDY	Mechanical
50	U20ME759	PRASANTH T	Mechanical
51	U20ME760	PRASATH M	Mechanical
52	U20AM703	VINODH KUMAR.U	Automobile
53	U20AM705	MOHAMMAD HAFEEZ	Automobile
54	U20AM706	MOHAMMED AMAAN MOHIUDDIN	Automobile
55	U20AM707	LATCHMIPATHY. D	Automobile
56	U20MT016	THARUN S	Mechatronics
57	U20MT017	UMMAR BIN AFROS K M	Mechatronics
58	U20MT018	UVAN VIJIYA BALAJI V	Mechatronics
59	U20MT019	VASANTH KUMAR V P	Mechatronics
60	U20MT016	THARUN S	Mechatronics

Certificate

	Bharath INSTITUTE OF HIGHER EDUCATION AND RESEARCH <small>(Declared as Deemed-to-be University under section 3 of UGC Act, 1956)</small>	
BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY DEPARTMENT OF MECHANICAL ENGINEERING — CERTIFICATE OF PARTICIPATION —		
This is to certify that KOTA RAJ KOMAR(U20ME022) of Department of Mechanical, Bharath Institute of Higher and Research		
For attending value add course on Principles of Macroeconomics organized by Department of Mechanical, Bharath Institute of Science and Technology, Selaiyur, Chennai - 73 held on 6.02.2023 to 10.02.2023		
 Organizing Secretary (V.P. Durairaj, BIHER)		 Convenor/HOD (Dr. V. Balambica, BIHER)

PHOTO





Bharath

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

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

Date : 10-2-2023

Event / Speaker Name : Principle of Macroeconomics

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

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

- 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
			<input checked="" type="checkbox"/>	

- Comments (If any):

GOOD, EXCELLENT



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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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

Date : 10-2-2023

Event / Speaker Name : Principle of Macroeconomics

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

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

- 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
			<input checked="" type="checkbox"/>	

- Comments (If any):

GOOD, EXCELLENT



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

Requisition Letter

Date: 27.03.2023

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 “RESEARCH METHODOLOGY USING REAL WORLD PROJECTS” from 03/04/2023 to 07/04/2023. In this regard we kindly request you to grant permission for the same.

Thanking You

HOD/MECH

Dean Engineering



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

Date:
1.04.2023

Department of Mechanical Engineering

Circular

The of Department of Mechanical Engineering, BIHER is glad to conduct five days value added program entitled “ RESEARCH METHODOLOGY USING REAL WORLD PROJECTS” from 03.04.2023 to 07.04.2023 for 30 hours. Those who are interested to participate do register your name to the program coordinator.

The registered students must attend all the classes without fail. The students who have completed the course successfully with good score will get the course completion certificate from the institute/Department.

Resource person: Mr. V. Jose Anand Vino and Mr.Hariharan

Maximum no. of registration Allowed – 60.

Program coordinator

K.Selvakumar



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

Department of Mechanical Engineering

Research Methodology using Real World Projects

OBJECTIVE:

- The aim of the subject is to provide make the students to understand the Research Methodology using Real World Projects.
- The course aims to introduce undergraduate students to the importance of research methodology and its basic tools. They should be equipped with the ability to understand, and participate in the process of economic research, from problem formulation, sampling, and selection of appropriate tools for analysis.

MODULE 1

(10Hrs)

An introduction to Research methodology: Formulating the Research problems and questions which emerge with the help of examples; Critical Review of Literature on the Research to be conducted: Gaps observed in the past research; Research Design: Qualitative, Quantitative, Macro Study, Case Study, Ethnographic Study; Empirical Research, etc.

MODULE II

(5 Hrs)

Data Collection: Sources of Secondary Data, Steps involved in collection of Primary Data - Sampling design, Questionnaire, Interview Method, Observation Method, Focus Group Discussion, etc. Pilot Survey and Modification of Questionnaire if necessary; Data Entry and Cleaning; Coding, Tabulation – preparation of file templates containing variables.

MODULE III

(10 Hrs)

Analysis of Data through appropriate Statistical tools and Softwares;
Interpretation of results and systematic presentation while preparing research report; Presentation of Qualitative data.

MODULE IV

(5 Hrs)

Major Conclusions and Policy issues to be addressed to relevant stakeholders; Preparation of Bibliography and Annexures - Plagiarism detection methods - Referencing methods.



Department of Mechanical Engineering
One Week Value added Program on Research Methodology using Real
World Projects”

Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 4:30 PM)
03.04.2023	Program Inauguration : Mr. V. Jose Anand Vino An introduction to Research methodology : Formulating the Research problems and questions An introduction to Research methodology : Formulating the Research problems and questions which emerge with the help of examples; Critical Review of Literature on the Research to be conducted : Gaps observed in the past research; Research Design : Qualitative, Quantitative, Macro Study, Case Study, Ethnographic Study; Empirical Research, etc.	Dr. R.Hariharan Data Collection : Sources of Secondary Data, Steps involved in collection of Primary Data - Sampling design, Questionnaire, Interview Method, Observation Method, Focus Group Discussion, etc. Pilot Survey and Modification of Questionnaire if necessary; Data Entry and Cleaning; Coding, Tabulation – preparation of file templates containing variables.
4.04.2023	Dr. R.Hariharan Analysis of Data through appropriate Statistical tools and Softwares; Interpretation of results and systematic presentation while preparing research report; Presentation of Qualitative data.	Mr. V. Jose Anand Vino Major Conclusions and Policy issues to be addressed to relevant stakeholders; Preparation of Bibliography and Annexures - Plagiarism detection methods - Referencing methods.
05.04.2023	Mr. V. Jose Anand Vino Pilot Survey and Modification of Questionnaire if necessary; Data Entry and Cleaning; Coding, Tabulation – preparation of file templates containing variables.	Dr. R.Hariharan Gaps observed in the past research; Research Design : Qualitative, Quantitative, Macro Study, Case Study, Ethnographic Study; Empirical Research, etc..
06.04.2023	Dr. R.Hariharan Analysis of Data through appropriate Statistical tools and Softwares;	Mr. V. Jose Anand Vino Data Entry and Cleaning; Coding, Tabulation – preparation of file templates containing variables..
07.04.2023	Mr. V. Jose Anand Vino Sampling design, Questionnaire, Interview Method, Observation Method, Focus Group Discussion, etc. Pilot Survey and Modification of Questionnaire if necessary; An introduction to Research methodology : Formulating the Research problems	Dr. R.Hariharan Questions which emerge with the help of examples; Critical Review of Literature on the Research to be conducted : Gaps observed in the past research; Research Design : Qualitative, Quantitative, Macro Study, Case Study, Ethnographic Study; Empirical Research, etc. <i>Quiz/ Feedback / valedictory Session</i>

Program Coordinator:

Dr.K.Selvakumar
Assistant Professor,

E-Mail: selvakumar.mech@bharathuniv.ac.in



Department of Mechanical
RESEARCH METHODOLOGY USING REAL WORLD PROJECTS
PARTICIPANTS LIST

Sl.No	Reg.No	Students Name	Department
1	U20ME003	BADINENI DEEKSHANAND	Mechanical
2	U20ME004	BAGAMMAGARI SAINIKHIL GOUD	Mechanical
3	U20ME005	BOLAGANI MANIKANTA RAYUDU	Mechanical
4	U20ME006	BOMMANA UMAKANTH REDDY	Mechanical
5	U20ME007	CHAPPIDI VISHNU VARDHAN	Mechanical
6	U20ME008	CHINNAMGARI GAJALAKSHMI	Mechanical
7	U20ME009	DARELLI UDAY	Mechanical
8	U20ME010	DUNNA SAI KUMAR	Mechanical
9	U20ME011	GADAGONI SAITEJA	Mechanical
10	U20ME012	GADULA VAMSI DURGA	Mechanical
11	U20ME013	GARAGA JYOTHI SWAROOP	Mechanical
12	U20ME014	GUNDABATHULA VARA PRASAD	Mechanical
13	U20ME015	JAKKAMSETTI TARUN KUMAR	Mechanical
14	U20ME016	JANAPAREDDY SUBHASH	Mechanical
15	U20ME017	JERRIBANDA NARASIMHA REDDY	Mechanical
16	U20ME018	KALIDINDI DUSHYANTH VARMA	Mechanical
17	U20ME020	KAMBHAM VENKAT REDDY	Mechanical
18	U20ME021	KOLASANI DINESH	Mechanical
19	U20ME022	KOTA RAJ KUMAR	Mechanical
20	U20ME023	KURAKULA GOVARDHAN	Mechanical
21	U20ME025	MOHAN BABU B	Mechanical
22	U20ME701	ASHWIN KUMAR J R	Mechanical
23	U20ME702	BHARATH S	Mechanical
24	U20ME703	KRISHNA KUMAR S	Mechanical
25	U20ME704	MAGESHWARAN R	Mechanical
26	U20ME705	MOHAMED MUZAFFER D	Mechanical
27	U20ME706	NARESH KUMAR V	Mechanical
28	U20ME707	SANTHOSHKUMAR A	Mechanical
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31	U20ME710	ASHOK KUMAR S	Mechanical
32	U20ME711	HARISH B	Mechanical
33	U20ME712	ANUSHANTH K	Mechanical
34	U20ME715	KAMALESHWAR T	Mechanical
35	U20ME716	PRAVEEN R	Mechanical
36	U21ME001	ABDUL BASITH A	Mechanical
37	U21ME002	ALAN JAMES JOY	Mechanical
38	U21ME003	BALU BHANU PRAKASH REDDY	Mechanical
39	U21ME004	GADI KULADEEP	Mechanical
40	U21ME006	MADDALA DURGA VENKATA NIKIL	Mechanical
41	U21ME007	MAGINAM MANI KANTA RAMARAJU	Mechanical
42	U21ME008	MD KAMAR RAZA	Mechanical

43	U21ME009	MUPPARAJU ADINARAYANA	Mechanical
44	U21ME010	PADMANABHAN L	Mechanical
45	U21ME011	PATLOLLA MADHUMOHAN REDDY	Mechanical
46	U21ME012	PUPPALA PAVAN KOTESWARA RAO	Mechanical
47	U21ME013	RATHISH KUMAR R	Mechanical
48	U21ME014	SANJAI K	Mechanical
49	U20AM004	DEEPAK. B	Automobile
50	U20AM005	HARISH RAGHAVENDRA.V	Automobile
51	U20AM006	KALEVARUBHARATH LAKSHMI GANESH	Automobile
52	U20AM007	MUTHISHWARAN M	Automobile
53	U20MT008	MANI DEEPAK T V	Mechatronics
54	U20MT009	MENDA HEMANTH KUMAR	Mechatronics
55	U20MT010	MOHAMED ALI HADHI M R	Mechatronics



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INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed-to-be University under section 3 of UGC Act, 1956)



BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that

SANJAY P (U20ME038) of Department of Mechanical,
Bharath Institute of Higher and Research

For attending value add course on **RESEARCH METHODOLOGY USING REAL WORLD PROJECTS**
organized by Department of Mechanical, Bharath Institute of Science and Technology,
Selaiyur, Chennai - 73 held on 3.04.2023 to 7.04.2023

Organizing Secretary
(Dr.K.Selvakumar, BIHER)

Convenor/HOD
(Dr.V.Balambica, BIHER)

Photo





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(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

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

Date : 07-06-2023

Event / Speaker Name : Value added program on Research methodology using Real world

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

S.NO	Parameters	Below Average	Average	Good	Excellent	Outstandi
1.	The Topic			✓		
	The choice of topic was relevant to me			✓		
2.	The Lecturer / Speaker				✓	
	Self-confidence				✓	
	Communication skills				✓	
	Doubts/ queries were answered satisfactorily				✓	
3.	The Content (Topic)					✓
	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): excellent



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FEEDBACK FORM

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Name of Department : Mechanical

Date : 07-06-2023

Event / Speaker Name : Value added program on Research methodology using Real world

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

S.NO	Parameters	Below Average	Average	Good	Excellent	Outstanding
1.	The Topic			✓		
	The choice of topic was relevant to me			✓		
2.	The Lecturer / Speaker				✓	
	Self-confidence				✓	
	Communication skills				✓	
	Doubts/ queries were answered satisfactorily				✓	
3.	The Content (Topic)					✓
	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): excellent



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Requisition Letter

Date: 5.04.2023

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 “WORKING DRAWINGS AND PRESENTATION TECHNIQUES” from 20/04/2023 to 25/04/2023. In this regard we kindly request you to grant permission for the same.

Thanking You

HOD/MECH

Dean Engineering



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

Date:15.04.2023

Department of Mechanical Engineering

Circular

The of Department of Mechanical Engineering, BIHER is glad to conduct five days value added program entitled “WORKING DRAWINGS AND PRESENTATION TECHNIQUES” from 12.04.2023 to 25.04.2023 for 30 hours. Those who are interested to participate do register your name to the program coordinator.

The registered students must attend all the classes without fail. The students who have completed the course successfully with good score will get the course completion certificate from the institute/Department.

Resource person: Mr.MANAVALAN and Dr.S.THIRUMAVALAVAN

Maximum no. of registration Allowed – 60.

Program coordinator

Dr.R.Selvakumar



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INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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Department of Mechanical Engineering

WORKING DRAWINGS AND PRESENTATION TECHNIQUES

OBJECTIVE:

- Objectives To enable the students to:
- Understand the proper language of the drawing, which is internationally recognized.
- Proper dimensioning & writing style.
- Each & every details of the organization as per requirements.
- Specifications required as per requirements

MODULE 1

(10Hrs)

Design of Residences: Design and drawing of residences (both apartment and detached house) for various built-up areas and consideration of planning principles.

MODULE II

(5 Hrs)

Judging and analyzing aforementioned plans; Calculation of planning efficiency.
Concept of working drawings & its need & importance; Drawing & drafting of plan ; Beam layout & column layout .

MODULE III

(10 Hrs)

Development of elevation; Horizontal & transversal sections; Details of stair case detailing of all drawings, lettering, dimensioninSubmission details.

MODULE IV

(5 Hrs)

Presentation Techniques; Rendering & presentation techniques; Pen & pencil rendering Sociography; Colour rendering.



Department of Mechanical Engineering
One Week Value added Program on WORKING DRAWINGS AND PRESENTATION
TECHNIQUES.

Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 4:30 PM)
20.04.2023	Program Inauguration : Mr.Manavalan An introduction to Working Drawings and presentation techniques.	Dr.S.THIRUMAVALAVAN Design and drawing of residences (both apartment and detached house) for various built-up areas and consideration of planning principles.
21.04.2023	Dr.S.THIRUMAVALAVAN Judging and analyzing aforementioned plans; Calculation of planning efficiency	Mr.Manavalan Concept of working drawings & its need & importance; Drawing & drafting of plan
22.04.2023	Mr.Manavalan Drawing & drafting of plan ; Beam layout & column layout.	Dr.S.THIRUMAVALAVAN Development of elevation; Horizontal & transversal sections.
24.04.2023	Dr.S.THIRUMAVALAVAN Details of stair case detailing of all drawings, lettering, dimension in Submission details.	Mr.Manavalan Presentation Techniques; Rendering & presentation techniques.
25.04.2023	Mr.Manavalan Pen & pencil rendering Sociography; Colour rendering.	Dr.S.THIRUMAVALAVAN Interpretation of results and systematic presentation . <i>Quiz/ Feedback / valedictory Session</i>

Program Coordinator:
Dr.R.Selvakumar
Assistant Professor,



Department of Mechanical
WORKING DRAWINGS AND PRESENTATION TECHNIQUES
PARTICIPANTS LIST

Sl.No	Reg.No	Students Name	Department
1	U20ME004	BAGAMMAGARI SAINIKHIL GOUD	Mechanical
2	U20ME005	BOLAGANI MANIKANTA RAYUDU	Mechanical
3	U20ME006	BOMMANA UMAKANTH REDDY	Mechanical
4	U20ME007	CHAPPIDI VISHNU VARDHAN	Mechanical
5	U20ME008	CHINNAMGARI GAJALAKSHMI	Mechanical
6	U20ME009	DARELLI UDAY	Mechanical
7	U20ME010	DUNNA SAI KUMAR	Mechanical
8	U20ME011	GADAGONI SAITEJA	Mechanical
9	U20ME012	GADULA VAMSI DURGA	Mechanical
10	U20ME013	GARAGA JYOTHI SWAROOP	Mechanical
11	U20ME014	GUNDBATHULA VARA PRASAD	Mechanical
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14	U20ME017	JERRIBANDA NARASIMHA REDDY	Mechanical
15	U20ME018	KALIDINDI DUSHYANTH VARMA	Mechanical
16	U20ME020	KAMBHAM VENKAT REDDY	Mechanical
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23	U20ME029	PALLA PRADEEP KUMAR YADAV	Mechanical
24	U20ME030	PENUMAKA MANI VENKATA RAM KUMAR	Mechanical
25	U20ME031	PINNITI MANIKANTA	Mechanical
26	U20ME032	PINNINTI APUROOP KUMAR	Mechanical
27	U20ME033	PUKKALLA HEMANTH RAO	Mechanical
28	U20ME034	PUPPALA BHADRA SAI VENKATA SWAMY	Mechanical
29	U20ME035	RAGHA DEVAN S	Mechanical
30	U20ME036	RAMIREDDY BALA NARASIMHA REDDY	Mechanical
31	U20ME038	SANJAY P	Mechanical
32	U20ME039	SHAIK SUBHANI	Mechanical
33	U20ME041	SUJITH S	Mechanical
34	U20ME042	SUSHANT .	Mechanical
35	U20ME043	VEERACHERAN K	Mechanical
36	U20ME044	VENKATRAMAN S	Mechanical
37	U20ME045	VINOTHKUMAR S	Mechanical
38	U20ME048	SABARINATHAN D	Mechanical

39	U20ME049	SUDDAMALLA AMARA MAHESWARA REDDY	Mechanical
40	U20ME701	ASHWIN KUMAR J R	Mechanical
41	U20ME702	BHARATH S	Mechanical
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43	U20ME704	MAGESHWARAN R	Mechanical
44	U20ME705	MOHAMED MUZAFFER D	Mechanical
45	U20ME706	NARESH KUMAR V	Mechanical
46	U20ME707	SANTHOSHKUMAR A	Mechanical
47	U20ME708	SURYA R	Mechanical
48	U20ME709	NANDHAKUMAR R	Mechanical
49	U20ME710	ASHOK KUMAR S	Mechanical
50	U20ME711	HARISH B	Mechanical
51	U20ME712	ANUSHANTH K	Mechanical
52	U20AM001	ALTAMASH FAROOQUI	Automobile
53	U20AM002	BESTA RAMA KALYAN	Automobile
54	U20AM003	CHINTA DINESH	Automobile
55	U20AM004	DEEPAK. B	Automobile
56	U20MT005	KISHORE P	Mechatronics
57	U20MT006	KRITHISH R	Mechatronics
58	U20MT007	MANGILIPUTI NEEMA	Mechatronics

Certificate



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(Declared as Deemed-to-be University under section 3 of UGC Act, 1956)



BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

— CERTIFICATE OF PARTICIPATION —

This is to certify that
KOLASANI DINESH(U20ME021) of Department of Mechanical,
Bharath Institute of Higher and Research

For attending value add course on **WORKING DRAWINGS AND PRESENTATION TECHNIQUES**
organized by Department of Mechanical, Bharath Institute of Science and Technology,
Selaiyur, Chennai - 73 held on 20.04.2023 to 25.04.2023


Organizing Secretary
(Dr.R.Selvakumar, BIHER)


Convenor/HOD
(Dr.V.Balambica, BIHER)

PHOTO





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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

Date : 25 - 4 - 2023

Event / Speaker Name : WORKING DRAWING & PRESENTATION

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

S.NO	Parameters	Below Average	Average	Good	Excellent	Outstanding
1.	The Topic		✓			
	The choice of topic was relevant to me			✓	✓	
2.	The Lecturer / Speaker					
	Self-confidence				✓	
	Communication skills					✓
	Doubts/ queries were answered satisfactorily					✓
3.	The Content (Topic)					
	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):

GOOD AND SATISFACTORY



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

Requisition Letter

Date: 3.02.2023

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 “Psychology of sports” from 13/03/2023 to 17/03/2023. In this regard we kindly request you to grant permission for the same.

Thanking You

HOD/MECH

Dean Engineering



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

Date: 3.03.2023

Department of Mechanical Engineering

Circular

The of Department of Mechanical Engineering, BIHER is glad to conduct five days value added program entitled “Psychology of sports” from 13.03.2023 to 17.03.2023 for 30 hours. Those who are interested to participate do register your name to the program coordinator.

The registered students must attend all the classes without fail. The students who have completed the course successfully with good score will get the course completion certificate from the institute/Department.

Resource person: Dr.Hariharan and Mr.Sabarish

Maximum no. of registration Allowed – 60.

Program coordinator

(Mr.Jose Anath Vino)



Bharath
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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Department of Mechanical Engineering

Psychology of sports

13.03.2023 to 17.03.2023

OBJECTIVE:

One of the fundamental assumptions of the proposed curriculum is based on possibilities of independent thinking, ability to integrate and synthesize from a transdisciplinary and multicultural perspective, to evolve a knowledge based system for preparing Sport Psychologist Enthusiast of India who would contribute and participate effectively in the emergent world of Sport, with capacities to remain locally relevant and globally effective.

MODULE 1 (10Hrs)

. INTRODUCTION – Definition, Scope, Branches of Psychology , Concept of Sports Psychology, Major View Points – Psychoanalytic school.

PERSONALITY – Meaning, Types , Personality Traits of Sports Person

MODULE II (5 Hrs)

LEARNING - Definition, Theories on Learning- Classical and Operant conditioning

MODULE III (5 Hrs)

MOTIVATION- Definition, Importance of Motivation in Sports performance, Reaching and Sustaining Ideal motivation. How Sports persons can be motivated.

CONFIDENCE – Defining Confidence and Role of Sports Manager in Developing Confidence among Sports Personalities.

MODULE IV (5 Hrs)

EMOTIONS- Definition, Relation between emotions and Sports performance, why sportsmen respond emotionally.

GOAL SETTING- Meaning, Goal Setting Principles, Relation between Goal Setting and Performance in Sports.

MODULE-V (5Hrs)

IMPLEMENTING SPORTS PSYCHOLOGY- Understanding the psychology of the Players and the Coach and implementation. Developing and facilitating Coach – Player relationship.



Department of Mechanical Engineering
One Week Value added Program on Psychology of sports

Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 4:30 PM)
13.03.2023	Program Inauguration : Dr.Hariharan . INTRODUCTION – Definition, Scope, Branches of Psychology , Concept of Sports Psychology, Major View Points – Psychoanalytic school.	V.Srinivasan PERSONALITY – Meaning, Types , Personality Traits of Sports Person
14.03.2023	V.Srinivasan LEARNING - Definition, Theories on Learning- Classical and Operant conditioning.	Dr.Hariharan MOTIVATION- Definition, Importance of Motivation in Sports performance, Reaching and Sustaining Ideal motivation. How Sports persons can be motivated.
15.03.2023	Dr.Hariharan CONFIDENCE – Defining Confidence and Role of Sports Manager in Developing Confidence among Sports Personalities.	V.Srinivasan EMOTIONS- Definition, Relation between emotions and Sports performance, why sportsmen respond emotionally.
16.03.2023	V.Srinivasan GOAL SETTING- Meaning, Goal Setting Principles, Relation between Goal Setting and Performance in Sports.	Dr.Hariharan IMPLEMENTING SPORTS PSYCHOLOGY- Understanding the psychology of the Players and the Coach and implementation..
17.03.2023	Dr.Hariharan Developing and facilitating Coach – Player relationship	V.Srinivasan ASSIGNMENTS ON SPORTS ORGANIZATION <i>Quiz/ Feedback / valedictory Session</i>

Program Coordinator:
(Mr.Jose Anath Vino)

Assistant Professor,
E-Mail:joseanathvino.mech@bharathuniv.ac.in



Department of Mechanical
Psychology of sports -PARTICIPANTS LIST

Sl.No	Reg.No	Students Name	Department
1	U20ME027	NANGINENI TRINADH SAI	Mechanical
2	U20ME028	NETHAJI K	Mechanical
3	U20ME029	PALLA PRADEEP KUMAR YADAV	Mechanical
4	U20ME030	PENUMAKA MANI VENKATA RAM KUMAR	Mechanical
5	U20ME031	PINNITI MANIKANTA	Mechanical
6	U20ME032	PINNINTI APUROOP KUMAR	Mechanical
7	U20ME033	PUKKALLA HEMANTH RAO	Mechanical
8	U20ME034	PUPPALA BHADRA SAI VENKATA SWAMY	Mechanical
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10	U20ME036	RAMIREDDY BALA NARASIMHA REDDY	Mechanical
11	U20ME038	SANJAY P	Mechanical
12	U20ME039	SHAIK SUBHANI	Mechanical
13	U20ME041	SUJITH S	Mechanical
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15	U20ME043	VEERACHERAN K	Mechanical
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18	U20ME048	SABARINATHAN D	Mechanical
19	U20ME049	SUDDAMALLA AMARA MAHESWARA REDDY	Mechanical
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46	U21ME022	ZAFAR KHAN	Mechanical
47	U21ME023	KALAGATLA SATWIK	Mechanical
48	U21ME025	SURIYA PRAKASH M	Mechanical
49	U21ME027	YARRAMADDI GANANA SAI	Mechanical
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54	U20AM012	PRADOSH.M	Automobile
55	U20AM013	SHAIK AMEER SHAREEF	Automobile
56	U20MT011	NIRMAL N	Mechatronics
57	U20MT012	PAAZIL PARVESH S	Mechatronics
58	U20MT013	PRAVEEN KUMAR K	Mechatronics
59	U20MT014	SANTHOSHKUMAR S	Mechatronics
60	U20MT015	SRI LAKSHIMI M	Mechatronics



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INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed-to-be University under section 3 of UGC Act, 1956)



BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that

VINOTHKUMAR S (U20ME045) of Department of Mechanical,
Bharath Institute of Higher and Research

For attending value add course on **PSYCHOLOGY OF SPORTS** organized by Department of Mechanical,
Bharath Institute of Science and Technology,
Selayur, Chennai - 73 held on 13.03.2023 to 17.03.2023

Organizing Secretary
(V.P. Durairaj, BIHER)

Convenor/HOD
(Dr. V. Balambica, BIHER)



on OnePlus
4.1.1001 - 2023-2023-2023



Bharath

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

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

Date : 19-8-2028

Event / Speaker Name : Psychology of Sports

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

S.NO	Parameters	Below Average	Average	Good	Excellent	Outstanding
1.	The Topic		/			
	The choice of topic was relevant to me			/		
2.	The Lecturer / Speaker					
	Self-confidence				/	
	Communication skills					/
	Doubts/ queries were answered satisfactorily					/
3.	The Content (Topic)					
	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):

Excellent & outstanding
performance



DEPARTMENT OF AUTOMOBILE ENGINEERING

List of Value Added/Short term Courses

Title of Value added course	Duration of course
"Unmanned Vehicle Navigation"	05.07.2022 to 09.07.2022



Date: 28.06.2022

Department of Automobile Engineering
Circular

The Department of Automobile Engineering, BIHER glad to conducton five days' value added program on “***Unmanned Vehicle Navigation***” from 05.07.2022 for 30 hours. Those who are interested to participate do register your name to the program coordinator.

Resource persons:

Dr.K.Venkatesan

Professor,
Dept. of Auto. Engg.
BIHER

Mr.C.Thamotharan

Associate Professor,
Dept. of Auto. Engg.
BIHER

Co-Ordinator
Dr.D.Raguraman,

HOD/AUTO



Bharath
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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Department of Automobile Engineering

Course on “Unmanned Vehicle Navigation”

OBJECTIVES:

- To introduce the parts and functions of UAV
- To explain the concepts of Aerodynamics, Propulsion & Structures of Model
- To enable the students to understand the working principle and components of UAV
- To Demonstrate the design process of UAV and create confidence in exploring

[DAY: 1]

MODULE 1 Introduction to Aerial Robotics (6 Hrs)

[DAY: 2]

MODULE 2 Geometry and Mechanics of UAV (6 Hrs)

[DAY: 3]

MODULE 3 Pay Load for UAV (6 Hrs)

[DAY: 4]

MODULE 4 Launching systems of UAV (6Hrs)

[DAY: 5]

MODULE 5: Navigation and Guidance of UAV and model (6 Hrs)



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Department of Automobile Engineering
Value Added Course – Unmanned Vehicle Model
(05.07.2022 to 09.07.2022)

PARTICIPANTS LIST

S.NO	REG.NO	NAME	DEPARTMENT
1	U22AM001	SRI MARUTHIRAM	Automobile
2	U22AM002	DASARI DANIEL PREMKUMAR	Automobile
3	U22AM003	DEVANANDHAN.P	Automobile
4	U22AM004	LAKAVATH SRI ASHISH NAYAK	Automobile
5	U22AM005	NANDHAKUMAR K	Automobile
6	U22AM701	ALLIMILLA PRANNAY	Automobile
7	U22AM702	BHEEMANATHI NARASIMHA	Automobile
8	U22AM703	BONTHA SHASHIKUMAR	Automobile
9	U22AM704	HARISH RAGAVENDIRAN	Automobile
10	U22AM705	MATHAN.B	Automobile
11	U22AM706	TARUN ROHIT	Automobile
12	U22AM001	SRI MARUTHIRAM	Automobile
13	U21AM001	MOHAMMED DHAQER K M	Automobile
14	U21AM002	PENTELA VIJAYAKUMAR	Automobile
15	U21AM003	SUGGU RAESWARA RAO	Automobile
16	U21AM004	ULLI RAJANI KANTH NA	Automobile
17	U21AM005	PUNNANI SURYAPRAKASH	Automobile
18	U21AM701	J.AROCKIYA JISHANTH	Automobile
19	U21AM702	E.SRIKAR	Automobile
20	U21AM703	KHIDEMO SEMY	Automobile



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(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

Department of Automobile Engineering
Value Added Course – Unmanned Vehicle Model
(05.07.2022 to 09.07.2022)

PARTICIPANTS LIST

S.NO	REG.NO	NAME	DEPARTMENT
21	U20AM001	ALTAMASH FAROOQUI	Automobile
22	U20AM002	BESTA RAMA KALYAN	Automobile
23	U20AM003	CHINTA DINESH	Automobile
24	U20AM004	DEEPAK. B	Automobile
25	U20AM005	HARISH RAGHAVENDRA.V	Automobile
26	U20AM006	KALEVARUBHARATH LAKSHMI GANESH	Automobile
27	U20AM007	MUTHISHWARAN M	Automobile
28	U20AM008	NAVEEN.T	Automobile
29	U20AM010	PALLA DHARANIDHAR REDDY	Automobile
30	U20AM011	PRADEEP.V	Automobile
31	U20AM012	PRADOSH.M	Automobile
32	U20AM013	SHAIK AMEER SHAREEF	Automobile
33	U20AM701	NIRMAL.A	Automobile
34	U20AM702	ADELBERT PARIAT	Automobile
35	U20AM703	VINODH KUMAR.U	Automobile
36	U20AM705	MOHAMMAD HAFEEZ	Automobile
37	U20AM706	MOHAMMED AMAAN MOHIUDDIN	Automobile
38	U20AM707	LATCHMIPATHY. D	Automobile



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Department of Automobile Engineering
Value Added Course – Unmanned Vehicle Model- conducted
by Dr. K.Venkatesan. on 03.07.2015

SNAP SHOT





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This is to certify that ~~Dr~~/Mr/~~Ms~~ ... **DEEPAK . B**Of

..Automobile Engg...has attended the *Faculty Development Program on the title*

"Unmanned Vehicle Navigation" organized by Department of Automobile Engineering
conducted from 05.07.2022 to 09.07.2022 at Bharath Institute of Higher Education and
Research, Chennai.


Co-Ordinator


HOD


Dean
Mechanical Engineering



Bharath

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

This is to certify that Dr/Mr/Ms **HAVEEN. T**Of

Automobile Engg...has attended the *Faculty Development Program on the title*

"Unmanned Vehicle Navigation" organized by Department of Automobile Engineering
conducted from 05.07.2022 to 09.07.2022 at Bharath Institute of Higher Education and
Research, Chennai.


Co-Ordinator


HOD


Dean
Mechanical Engineering



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FEEDBACK FORM

- ❖ As a part of a continuous improvement process, our college appreciates the 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 the Department : .. Automobile Enrs

Date : 05.07.2022 to 07.07.2022

Event / Speaker Name : Unmanned vehicle Navigation /
Dr. K. Venkatesan & Dr. C. Tharmotharan

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

S. No.	Parameters	Below Average	Average	Good	Excellent	Outstanding
1.	The Topic				✓	
	The choice of topic is relevant to me					✓
2.	The Lecturer / Speaker				✓	
	Self - Confidence			✓		✓
	Communication Skills					✓
	Doubts / Queries were answered satisfactorily				✓	
3.	The Content				✓	
	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?

Below Average	Average	Good	Excellent	Outstanding
			✓	

- Comment (If any):

Nil



FEEDBACK FORM

- ❖ As a part of a continuous improvement process, our college appreciates the 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 the Department : .. Automobile Engg

Date : .. 05.07.2022 to 07.07.2022

Event / Speaker Name : .. unmanned vehicle navigation /
Dr. K. Venkatesh and Mr. C. Thammawen

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

S. No.	Parameters	Below Average	Average	Good	Excellent	Outstanding
1.	The Topic					✓
	The choice of topic is relevant to me				✓	
2.	The Lecturer / Speaker					✓
	Self – Confidence			✓		
	Communication Skills					✓
	Doubts / Queries were answered satisfactorily				✓	
3.	The Content				✓	
	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?

Below Average	Average	Good	Excellent	Outstanding
				✓

- Comment (If any):

_____ Nil _____



DEPARTMENT OF AUTOMOBILE ENGINEERING

List of Value Added/Short term Courses

Title of Value added course	Duration of course
“Automobile Chassis Design”	16.08.2022 to 20.08.2022



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Date: 01.08.2022

Department of Automobile Engineering
Circular

The of Department of Automobile Engineering, BIHER glad to conduct on five days value added program on “**Automotive Chassis Design**” from 16.08.2022 for 30 hours. Those who are interested to participate do register your name to the program coordinator.

Resource persons:

Dr.D. Raguraman

Associate Professor
Dept. of Auto. Engg.
BIHER

Dr.P.Balu

Associate Professor,
Dept. of Auto. Engg.
BIHER

Program Coordinator
Dr.K.Venkatesan

HOD/Auto



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Department of Automobile Engineering

Course on “Automotive Chassis Design”

OBJECTIVES:

- To make students familiar with the constructional details of chassis and body
- To understand about various steering systems, steering linkages and steering gear boxes and power steering
- To study the different components in the drive line and types of final drive.
- To introduce students to the rear axles and types of suspension systems
- To introduce students to braking systems, wheels and tyres

[DAY: 1]

MODULE 1 Constructional details of chassis and body (6 Hrs)

[DAY: 2]

MODULE 2 Steering systems, linkages and gear boxes (6 Hrs)

[DAY: 3]

MODULE 3 Different components in the drive line and types of final drive (6 Hrs)

[DAY: 4]

MODULE 4 Study of rear axles and types of suspension systems (6 Hrs)

[DAY: 5]

MODULE 5: Study of braking systems, wheels and tyres and Practical Design of Automotive Chassis Design (6 Hrs)



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Department of Automobile Engineering
Value Added Course – Automotive Chassis
Design
(16.08.2022 to 20.08.2022)

PARTICIPANTS LIST

S.NO	REG.NO	NAME	DEPARTMENT
1	U22AM001	SRI MARUTHIRAM	Automobile
2	U22AM002	DASARI DANIEL PREMKUMAR	Automobile
3	U22AM003	DEVANANDHAN.P	Automobile
4	U22AM004	LAKAVATH SRI ASHISH NAYAK	Automobile
5	U22AM005	NANDHAKUMAR K	Automobile
6	U22AM701	ALLIMILLA PRANNAY	Automobile
7	U22AM702	BHEEMANATHI NARASIMHA	Automobile
8	U22AM703	BONTHA SHASHIKUMAR	Automobile
9	U22AM704	HARISH RAGAVENDIRAN	Automobile
10	U22AM705	MATHAN.B	Automobile
11	U22AM706	TARUN ROHIT	Automobile
12	U22AM001	SRI MARUTHIRAM	Automobile
13	U21AM001	MOHAMMED DHAQER K M	Automobile
14	U21AM002	PENTELA VIJAYAKUMAR	Automobile
15	U21AM003	SUGGU RAESWARA RAO	Automobile
16	U21AM004	ULLI RAJANI KANTH NA	Automobile
17	U21AM005	PUNNANI SURYAPRAKASH	Automobile
18	U21AM701	J.AROCKIYA JISHANTH	Automobile
19	U21AM702	E.SRIKAR	Automobile
20	U21AM703	KHIDEMO SEMY	Automobile



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(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

Department of Automobile Engineering
Value Added Course – Automotive Chassis
Design
(16.08.2022 to 20.08.2022)
PARTICIPANTS LIST

S.NO	REG.NO	NAME	DEPARTMENT
21	U20AM001	ALTAMASH FAROOQUI	Automobile
22	U20AM002	BESTA RAMA KALYAN	Automobile
23	U20AM003	CHINTA DINESH	Automobile
24	U20AM004	DEEPAK. B	Automobile
25	U20AM005	HARISH RAGHAVENDRA.V	Automobile
26	U20AM006	KALEVARUBHARATH LAKSHMI GANESH	Automobile
27	U20AM007	MUTHISHWARAN M	Automobile
28	U20AM008	NAVEEN.T	Automobile
29	U20AM010	PALLA DHARANIDHAR REDDY	Automobile
30	U20AM011	PRADEEP.V	Automobile
31	U20AM012	PRADOSH.M	Automobile
32	U20AM013	SHAIK AMEER SHAREEF	Automobile
33	U20AM701	NIRMAL.A	Automobile
34	U20AM702	ADELBERT PARIAT	Automobile
35	U20AM703	VINODH KUMAR.U	Automobile
36	U20AM705	MOHAMMAD HAFEEZ	Automobile
37	U20AM706	MOHAMMED AMAAN MOHIUDDIN	Automobile



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Department of Automobile Engineering
Value Added Course – Automotive Chassis Design -
conducted by Dr. D.Raguraman on 16.08.2022

SNAP SHOT





Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

Chennai

PARTICIPATION CERTIFICATE

This is certified that ~~Dr./Mr./Ms.~~ **E. SRIKAR**of
..... **Automobile Engg, BIHER**,has
attended the **FACULTY DEVELOPMENT PROGRAM** on **AUTOMOBILE
CHASSIS DESIGN** organized by Department of Automobile Engineering of
Bharath Institute of Higher Education and Research, Chennai on 16-08-22 To
20-08-22


Co-ordinator


HOD


Dean
Mechanical Engineering



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
CHENNAI

PARTICIPATION CERTIFICATE

This is certified that Dr./Mr./Ms. **U. RAJANIKANTH**.....of
.....**Automobile Engg., BIHER**.....has
attended the **FACULTY DEVELOPMENT PROGRAM** on **AUTOMOBILE
CHASSIS DESIGN** organized by Department of Automobile Engineering of
Bharath Institute of Higher Education and Research, Chennai on 16-08-22 To
20-08-22


Co-ordinator


HOD


**Dean
Mechanical Engineering**



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FEEDBACK FORM

❖ As a part of a continuous improvement process, our college appreciates the 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 the Department : Automobile Engineering.
 Date : 16/08/2022 to 20/08/2022
 Event / Speaker Name : Automobile... Chemis. Design / Dr. P. Rajaraman
Dr. P. Balu.

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

S. No.	Parameters	Below Average	Average	Good	Excellent	Outstanding
1.	The Topic		✓			
	The choice of topic is relevant to me				✓	
2.	The Lecturer / Speaker			✓		
	Self – Confidence					✓
	Communication Skills				✓	
	Doubts / Queries were answered satisfactorily			✓		
3.	The Content					
	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?

Below Average	Average	Good	Excellent	Outstanding
			✓	

• Comment (If any):

NA



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(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

FEEDBACK FORM

- ❖ As a part of a continuous improvement process, our college appreciates the 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 the Department : Automobile Engineering
Date : 16.08.2022 to 20.08.2022
Event / Speaker Name : "Automobile chassis Design" / Dr. D. Raguvaran
Dr. P. Balu

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

S. No.	Parameters	Below Average	Average	Good	Excellent	Outstanding
1.	The Topic				✓	
	The choice of topic is relevant to me			✓		
2.	The Lecturer / Speaker				✓	
	Self - Confidence			✓		
	Communication Skills				✓	
	Doubts / Queries were answered satisfactorily					✓
3.	The Content				✓	
	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?

Below Average	Average	Good	Excellent	Outstanding
			✓	

- Comment (If any):

If a demo is given with Heavy duty vehicle also will make the course as outstanding.



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DEPARTMENT OF AUTOMOBILE ENGINEERING

List of Value Added/Short term Courses

Title of Value added course	Duration of course
"Engine Overhauling"	23.01.2023 to 29.01.2023



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Date: 02.01.2023

Department of Automobile Engineering
Circular

The of Department of Automobile Engineering, BIHER glad to conduct on Five days' value added program on "**Course on Engine Overhauling**" from 23.01.2023 for 30 hours. Those who are interested to participate do register your name to the program coordinator.

Resource persons:

Dr.K.Venkatesan

Professor,
Dept. of Auto. Engg.
BIHER

Dr.D.Raguraman,

Associate Professor,
Dept. of Auto. Engg.
BIHER

Program Coordinator
Dr.K.Venkatesan

HOD/Auto



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

Department of Automobile Engineering

Course on “Engine Overhauling”

OBJECTIVES:

- To enable student to understand the method of removal of Cylinder Head and Piston Connecting Rod Assembly
- To study the procedure of Cleaning and Overhauling Of Cylinder Head and Piston Connecting Rod Assembly
- To make students familiar with the Calibration of Cylinder Liner, Piston, Piston Rings, Ovality Check of Connecting Rod etc.,
- To study the procedure of Overhauling of Fuel Injection Pump, Attached JCW Pump
- To enable student to Assemble Cylinder Head, Piston Connecting Rod Etc.,

[DAY: 1]

MODULE 1 Method of removal of Cylinder Head and Piston Connecting Rod Assembly (6 Hrs)

[DAY: 2]

MODULE 2 Cleaning and Overhauling Of Cylinder Head and Piston Connecting Rod Assembly (6 Hrs)

[DAY: 3]

MODULE 3 Calibration of Cylinder Liner, Piston, Piston Rings, Ovality Check of Connecting Rod etc., (6 Hrs)

[DAY: 4]

MODULE 4 Overhauling of Fuel Injection Pump, Attached JCW Pump (6 Hrs)

[DAY: 5]

MODULE 5: Assembly of Cylinder Head, Piston Connecting Rod, etc., and Practical Session on Engine Overhauling (6 Hrs)



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(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

Department of Automobile Engineering
Value Added Course – Engine Overhauling
(23.01.2023 to 29.01.2023)

PARTICIPANTS LIST

S.NO	REG.NO	NAME	DEPARTMENT
1	U22AM001	SRI MARUTHIRAM	Automobile
2	U22AM002	DASARI DANIEL PREMKUMAR	Automobile
3	U22AM003	DEVANANDHAN.P	Automobile
4	U22AM004	LAKAVATH SRI ASHISH NAYAK	Automobile
5	U22AM005	NANDHAKUMAR K	Automobile
6	U22AM701	ALLIMILLA PRANNAY	Automobile
7	U22AM702	BHEEMANATHI NARASIMHA	Automobile
8	U22AM703	BONTHA SHASHIKUMAR	Automobile
9	U22AM704	HARISH RAGAVENDIRAN	Automobile
10	U22AM705	MATHAN.B	Automobile
11	U22AM706	TARUN ROHIT	Automobile
12	U22AM001	SRI MARUTHIRAM	Automobile
13	U21AM001	MOHAMMED DHAQER K M	Automobile
14	U21AM002	PENTELA VIJAYAKUMAR	Automobile
15	U21AM003	SUGGU RAESWARA RAO	Automobile



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Department of Automobile Engineering
Value Added Course – Engine Overhauling
(23.01.2023 to 29.01.2023)

PARTICIPANTS LIST

S.NO	REG.NO	NAME	DEPARTMENT
16	U21AM004	ULLI RAJANI KANTH NA	Automobile
17	U21AM005	PUNNANI SURYAPRAKASH	Automobile
18	U21AM701	J.AROCKIYA JISHANTH	Automobile
19	U21AM702	E.SRIKAR	Automobile
20	U21AM703	KHIDEMO SEMY	Automobile
21	U20AM001	ALTAMASH FAROOQUI	Automobile
22	U20AM002	BESTA RAMA KALYAN	Automobile
23	U20AM003	CHINTA DINESH	Automobile
24	U20AM004	DEEPAK. B	Automobile
25	U20AM005	HARISH RAGHAVENDRA.V	Automobile
26	U20AM006	KALEVARUBHARATH LAKSHMI GANESH	Automobile
27	U20AM007	MUTHISHWARAN M	Automobile
28	U20AM008	NAVEEN.T	Automobile
29	U20AM010	PALLA DHARANIDHAR REDDY	Automobile



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Department of Automobile Engineering

Value Added Course – Engine Overhauling (23.01.2023 to 29.01.2023)

PARTICIPANTS LIST

S.NO	REG.NO	NAME	DEPARTMENT
30	U20AM011	PRADEEP.V	Automobile
31	U20AM012	PRADOSH.M	Automobile
32	U20AM013	SHAIK AMEER SHAREEF	Automobile
33	U20AM701	NIRMAL.A	Automobile
34	U20AM702	ADELBERT PARIAT	Automobile
35	U20AM703	VINODH KUMAR.U	Automobile
36	U20AM705	MOHAMMAD HAFEEZ	Automobile
36	U20AM705	MOHAMMAD HAFEEZ	Automobile
37	U20AM706	MOHAMMED AMAAN MOHIUDDIN	Automobile
38	U20AM707	LATCHMIPATHY. D	Automobile



Bharath

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

Department of Automobile Engineering
Value Added Course – Engine Overhauling
conducted by Dr. K.Venkatesan on 23.01.2023

SNAP SHOT





Bharath


INSTITUTE OF HIGHER EDUCATION AND RESEARCH

[Declared as Deemed - to - be - University under section 3 of UGC Act 1956]

This is to certify that ~~Dr~~/Mr/Ms **D. DANIEL PREM KUMAR** Of
Automobile Engg. has attended the *Faculty Development Program* on the title
"Engine overhauling" organized by Department of Automobile Engineering conducted
from 23.01.2023 to 29.01.2023 at Bharath Institute of Higher Education and Research,
Chennai.


Co-Ordinator


HOD


Dean
Mechanical Engineering



Bharath

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

This is to certify that ~~Dr~~/Mr/~~Ms~~...**NANDHAKUMAR...K**.....Of
Automobile Enrs...has attended the *Faculty Development Program on the title*
"Engine overhauling" organized by Department of Automobile Engineering conducted
from 23.01.2023 to 29.01.2023 at Bharath Institute of Higher Education and Research,
Chennai.


Co-Ordinator


HOD


Dean
Méchanical Engineering



Sharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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FEEDBACK FORM

- As a part of a continuous improvement process, our college appreciates the 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 the Department : Automobile Engg
 Date : 23.01.2023 to 25.01.2023
 Event / Speaker Name : Engine overhauling / Dr. K. Venkatesan, Dr. D. Rajuvaran

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

S. No.	Parameters	Below Average	Average	Good	Excellent	Outstanding
1.	The Topic			✓		
	The choice of topic is relevant to me				✓	
2.	The Lecturer / Speaker			✓		
	Self - Confidence			✓		
	Communication Skills				✓	
	Doubts / Queries were answered satisfactorily				✓	
3.	The Content			✓		
	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?

Below Average	Average	Good	Excellent	Outstanding
			✓	

- Comment (If any):

Nil



FEEDBACK FORM

❖ As a part of a continuous improvement process, our college appreciates the 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 the Department : Automobile Engineering
 Date : 23/01/2023 to 29/01/2023
 Event / Speaker Name : "Engine overhauling" / Dr. K. Venkatesh and Dr. D. Rajuraman

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

S. No.	Parameters	Below Average	Average	Good	Excellent	Outstanding
1.	The Topic				✓	
	The choice of topic is relevant to me				✓	
2.	The Lecturer / Speaker				✓	
	Self – Confidence				✓	
	Communication Skills				✓	
	Doubts / Queries were answered satisfactorily			✓		
3.	The Content			✓		
	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?

Below Average	Average	Good	Excellent	Outstanding
			✓	

- Comment (If any): "Overall performance is excellent"



Date: 10.09.2022

Department of Mechatronics

Circular

The Department of Mechatronics, BIHER is glad to conduct a 5 - day Value Added Program on “**Course on Advanced Robotics and Automation Systems**” dated from 17.10.2022 for a period of 30 hours. Those who are interested to participate do register your name with the program coordinator mentioned below.

Resource persons:

Mr. N. Krishna Kumar

Managing Director of RoboMech Engineering Solutions
Chennai

Dr. Vijayakumar Aravindan

Professor and Head of the Department of Mechanical Engineering at IIT Madras
Chennai.

Maximum No. of registration Allowed – 60

***First come first serve basis.**

Program Coordinator:

Mr.JAIRAJESH

Assistant Professor,

E-Mail: jairajesh2008@gmail.com

Mobile: 7299956395



Department of Mechatronics
Course on Advanced Robotics and Automation Systems

OBJECTIVES:

Advanced Robotics and Automation Systems play a pivotal role in modern industries, revolutionizing manufacturing processes, enhancing efficiency, and enabling complex tasks. This course aims to provide comprehensive knowledge on the design, control, and implementation of advanced robotic systems. Participants will delve into cutting-edge technologies, explore automation principles, and gain hands-on experience to address real-world challenges.

[DAY 1] MODULE I Advanced Robotic Mechanisms (6 Hrs)

Advanced robotic manipulators and end-effectors

Parallel robotics and applications

Soft robotics: Fundamentals and applications

Modular robotic systems

[DAY 2] Advanced Robot Control Strategies (6 Hrs)

Model-based control: Adaptive and optimal control

Learning-based control: Reinforcement learning, neural network-based control

Hybrid control systems

Advanced feedback control for complex robotic systems

[DAY 3] MODULE III Computer Vision and Sensing for Robotics (6 Hrs)

Advanced computer vision techniques for robotics

Depth sensing and 3D perception

Sensor fusion in robotic systems

Object recognition and tracking

[DAY 4] Advanced Robot Localization and Mapping (6 Hrs)

Simultaneous Localization and Mapping (SLAM)

Advanced techniques in robot localization

Mapping algorithms for dynamic environments

Integration of GPS and other positioning technologies

[DAY 5] MODULE V Industrial Automation and Collaborative Robotics (6 Hrs)

Industry 4.0 and the future of manufacturing

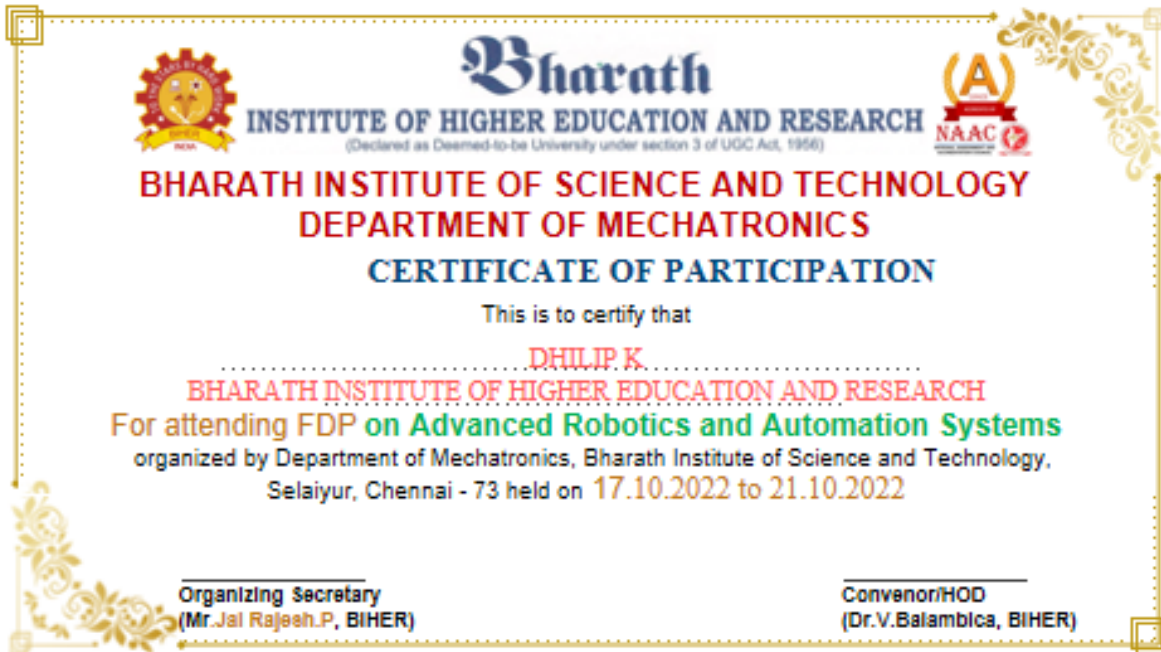
Human-Robot Collaboration (HRC)

Automation in logistics and warehousing

Case studies of advanced robotic applications in industries

This course structure aims to provide participants with in-depth knowledge of advanced robotics, covering both theoretical concepts and practical implementation aspects. Each module contributes to building a strong foundation for understanding and working with cutting-edge robotic and automation technologies.

Model Certificate





Department of Mechatronics

**Value Added Course - Course on Advanced Robotics and
Automation Systems**

PARTICIPANTS LIST

S.No	Reg.No	Name	Department
1.	U20MT002	DHILIP K	Mechatronics
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Department of Mechatronics

Value added course - Advanced Robotics and Automation Systems





Date: 12.02.2023

Department of Mechatronics

Circular

The Department of Mechatronics, BIHER is glad to conduct a 5 - day Value Added Program on “**Integrated Sensors and IoT Applications in Mechatronics**” dated from 20.03.2023 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. M. Tamilselvan

Professor and Head of the Department of Electronics and Communication Engineering
Anna University
Chennai .

Mr. S. Ramaswamy

CEO of InnoSense Technologies
Chennai .

Maximum No. of registration Allowed – 60

***First come first serve basis.**

Program Coordinator:

Mr. JAIRAJESH

Assistant Professor,

E-Mail: jairajesh2008@gmail.com

Mobile: 7299956395



Department of Mechatronics

Course on Integrated Sensors and IoT Applications in Mechatronics

OBJECTIVES:

Integrated Sensors and IoT (Internet of Things) Applications are integral components of modern mechatronic systems. This course aims to equip participants with the knowledge and skills required to design, implement, and optimize mechatronic systems incorporating sensors and IoT technologies. Participants will gain hands-on experience in integrating sensors with IoT platforms for real-world applications.

[DAY 1] MODULE I Introduction to Sensors in Mechatronics (6 Hrs)

Overview of sensors in mechatronic systems

Classification of sensors: Contact and non-contact sensors

Sensor characteristics and selection criteria

Interface circuits for sensors

[DAY 2] Sensor Technologies in Mechatronics (6 Hrs)

Advanced sensor technologies: MEMS, NEMS, and smart sensors

Integration of optical sensors in mechatronics

Wireless sensor networks and their applications

Wearable sensors in mechatronics

[DAY 3] MODULE III IoT Fundamentals for Mechatronics (6 Hrs)

Introduction to the Internet of Things (IoT)

Communication protocols for IoT

IoT platforms and cloud services

Security and privacy considerations in IoT

[DAY 4] Integration of Sensors with IoT Platforms (6 Hrs)

Sensor data acquisition and processing

Wireless communication between sensors and IoT devices

IoT-enabled data analytics and visualization

Case studies of sensor integration in mechatronic systems

[DAY 5] MODULE V Practical Applications and Project Work (6 Hrs)

Real-world applications of integrated sensors and IoT in mechatronics



Group projects: Design and implementation of a mechatronic system

Presentation of project outcomes and discussions

Future trends and challenges in sensor and IoT integration

This course structure aims to provide participants with a comprehensive understanding of integrated sensors and IoT applications in mechatronics. The practical emphasis and project work ensure that participants can apply their knowledge to real-world scenarios and gain hands-on experience with the latest technologies in the field.

Model Certificate

	Bharath INSTITUTE OF HIGHER EDUCATION AND RESEARCH <small>(Declared as Deemed-to-be University under section 3 of UGC Act, 1956)</small>	
BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY DEPARTMENT OF MECHATRONICS CERTIFICATE OF PARTICIPATION		
This is to certify that		
..... JAYASURIYA M		
BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH For attending FDP on Integrated Sensors and IoT Applications in Mechatronics		
organized by Department of Mechatronics, Bharath Institute of Science and Technology, Selaiyur, Chennai - 73 held on 20.03.2023 to 24.03.2023		
Organizing Secretary (Mr.Jai Rajesh.P, BIHER)		Convenor/HOD (Dr.V.Balambica, BIHER)



Department of Mechatronics

**Value Added Course - Course on Integrated Sensors and IoT
Applications in Mechatronics**

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Department of Mechatronics

**Value Added Course- Course on Integrated Sensors and IoT
Applications in Mechatronics**

