



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

Requisition Letter

Date: 30.01.2020

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 03/02/2020 to 07/02/2020. In this regard we kindly request you to grant permission for the same.

Thanking You

HOD/MECH



Bharath
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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Date: 30.01.2020

Department of Mechanical Engineering

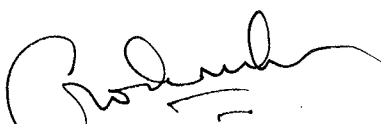
Circular

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 03.02.2020 to 07.02.2020 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.

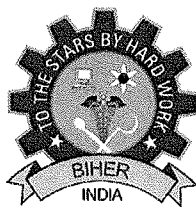
Resource person: Dr.Hariharan and Mr.Sabarish

Maximum no. of registration Allowed – 60.



Program coordinator

Mr.R J Golden Renjith Nimal



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INSTITUTE OF HIGHER EDUCATION AND RESEARCH

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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.

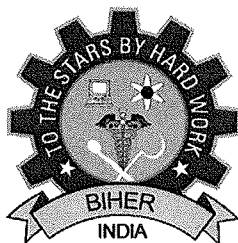
CASE STUDY AND PRESENTATION- Details of Sponsorship Agreement in National and International sports bodies.



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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)
03.02.2020	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.
04.02.2020	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.
05.02.2020	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.
06.02.2020	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.
07.02.2020	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.



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Attendance sheet

S.No	Reg. No	Students Name	Department
1	U16ME042	MOURYA RAJ D	Mechanical Engineering
2	U16ME046	V. SIVASHANMUGAM V	Mechanical Engineering
3	U16ME050	VIKRAM SINGH	Mechanical Engineering
4	U16ME051	AFTAB ALAM	Mechanical Engineering
5	U16ME053	HARI HARAN S E	Mechanical Engineering
6	U16ME054	VIGNESH KUMAR R	Mechanical Engineering
7	U16ME057	AMIT PRAKASH V	Mechanical Engineering
8	U16ME058	RAHUL GEDELA	Mechanical Engineering
9	U16ME060	PUCHAKAYALA HARI BABU .	Mechanical Engineering
10	U16ME122	KESHAV KUMAR .	Mechanical Engineering
11	U16ME128	SHUBHAM YADAV	Mechanical Engineering
12	U16ME138	VAIDHEESWARAN K	Mechanical Engineering
13	U16ME139	MD ZEESHAN RAZA .	Mechanical Engineering
14	U16ME144	JAGADALA KUMARA SWAMY	Mechanical Engineering
15	U16ME701	KONERU CHAITANYA CHANDRA .	Mechanical Engineering
16	U16ME713	TUPAKULA LAKSHMI NARAYANA .	Mechanical Engineering
17	U16ME715	DAMSANI SRIKANTH	Mechanical Engineering
18	U16ME717	CHINTAKAYALA SANDEEP SANDEEP	Mechanical Engineering
19	U16ME718	TARUN G	Mechanical Engineering
20	U16ME719	NEHLANGKI SUIAM	Mechanical Engineering
21	U16ME002	DINESH KUMAR U	Mechanical Engineering
22	U16ME011	AJITH KUMAR S	Mechanical Engineering
23	U16ME012	MOHANRAJ R	Mechanical Engineering
24	U16ME014	RAVIRAJAN S	Mechanical Engineering
25	U16ME023	ARAVINDAN K	Mechanical Engineering
26	U16ME029	DINESH KUMAR M	Mechanical Engineering
27	U16ME031	ZHAKIRHUSSAIN S	Mechanical Engineering
28	U16ME033	SHERIN T MAMMEN	Mechanical Engineering
29	U16ME035	PARTHAN V	Mechanical Engineering
30	U16ME041	SUVODEEP RAKSHIT	Mechanical Engineering
31	U16ME049	MOHAMED ABDULLAH K	Mechanical Engineering
32	U16ME055	DEEPAK H	Mechanical Engineering
33	U16ME056	YOGESH P	Mechanical Engineering
34	U16ME059	JEFRON G	Mechanical Engineering

35	U16ME120	MADDIKARA SRIKAMTHREDDY	Mechanical Engineering
36	U16ME121	MUKESH K	Mechanical Engineering
37	U16ME129	DEEPAK RAJAN D	Mechanical Engineering
38	U16ME131	VIJAY M	Mechanical Engineering
39	U16ME133	AKASH SAHA	Mechanical Engineering
40	U16ME134	ARANYA JASH	Mechanical Engineering
41	U16ME140	MO WASEEM .	Mechanical Engineering
42	U16ME602	SHAIK MAHAMMED HANEEF	Mechanical Engineering
43	U16ME603	SHAIK RIYAZ	Mechanical Engineering
44	U16ME007	ALBY ANTONY .	Mechanical Engineering
45	U16ME008	RISHEEK SHANKAR M	Mechanical Engineering
46	U16ME009	CHENNABOENA THARUN KUMAR .	Mechanical Engineering
47	U16ME016	YUVARAJ P	Mechanical Engineering
48	U16ME024	ANCHULLA VENUGOPAL	Mechanical Engineering
49	U16ME025	SHANKAR YADAV	Mechanical Engineering
50	U16ME026	VISHVAK R	Mechanical Engineering
51	U16AM019	ANTHAM JEEVA REDDY	Automobile Engineering
52	U16AM020	MERUGU SHIVA SAGAR	Automobile Engineering
53	U16MT501	MUGILAN M	Mechatronics Engineering
54	U16MT502	VIGNESHWAR C B	Mechatronics Engineering
55	U16MT503	KARUPHIN KAWIN J	Mechatronics Engineering

Bharath Institute of Higher Education and Research

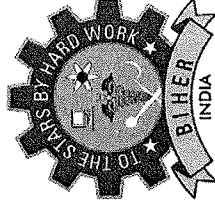
CERTIFICATE OF PARTICIPATION

This is certify that

DEEPAK . H

has participated in the Value Added Course titled "Advertising, Public Relation and Sponsorship in Sports" conducted by the School of Mechanical Engineering during the month of Feb 2020.


VAC CO-ORDINATOR




HOD MECHANICAL



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FEEDBACK FORM

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

Name of Department : Mechanical Engineering

Date : 07/02/2020

Event / Speaker Name : Advertising public relation and Sponsorship in 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):

I really enjoyed the course.
More courses like this can be conducted.

PHOTO





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Date: 03.02.2020

Department of Mechatronics

Circular

The Department of Mechatronics, BIHER is glad to conduct a 5 - day Value Added Program on “**Course on Automation in Industries**” dated from 09.02.2020 to 13.02.2020 for a period of 30 hours. Those who are interested to participate do register your name with the program coordinator mentioned below.

Resource persons:

Dr.P. Sengottuvel.,
HOD and Professor,
BIHER

Mr. R. Raj Narayanan

Assistant – Project Engineer

Malles Automated and Robotic Systems Pvt. Ltd.

New No.19,Tanjore Road, Near Panagal Park,T-Nagar, Chennai - 600 017.

Maximum No. of registration Allowed – 60

***First come first serve basis.**

Program Coordinator:

Mr.M.Chandra Mohan

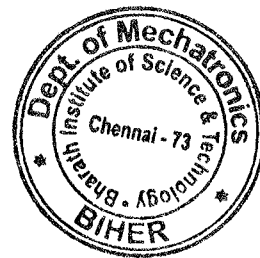
Assistant Professor

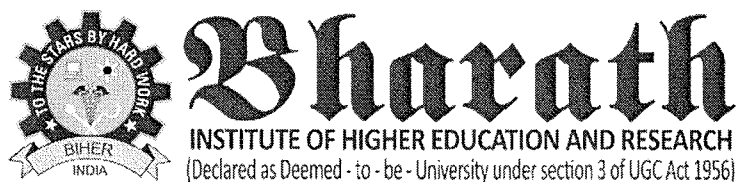
Mrs.G.Vasumathi

Assistant Professor/ Mechatronics

E-Mail: vasumathi.mt@bharathuniv.ac.in

Mobile: 9788644964





Department of Mechatronics

Course on Automation in Industries

OBJECTIVES:

The objective of this course to introduce the basic concepts and components of sensors, switching elements .To learn the automation concepts based on industrial applications

[DAY: 1] MODULE I

(6 Hrs)

Actuators: Types of motion Conversion- Electric Linear actuators-Electric Rotary Actuators-Fluid Power Linear Actuators-Fluid power Rotating Actuators Sensors: Binary Position Sensors-Pneumatic Position Sensors-Comparison between different position sensors-Point sensors for variables other than position.

[DAY:2] MODULE II

(6 Hrs)

Binary Elements-variables-basic logic gates-Basic theorems-K Map- Practical examples of switching systems –Timers-counters-Schmitt triggers-encoders-parity detector-binary comparator

[DAY: 3] MODULE III

(6 Hrs)

Drum Programmers-Programmable Timers and Limit Switches-Card and Tape recorders-Matrix boards-Programmable counters.

[DAY: 4] MODULE IV

(6 Hrs)

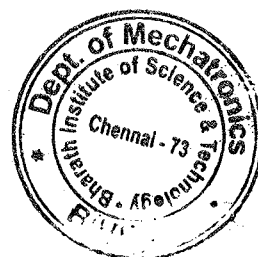
PLC construction-Programming PLC- Ladder diagrams for PLC-PLC vs. Relay-PLC applications-Microcomputer architecture-Ramping a step motor-Assembly language Programming.

[DAY: 5]



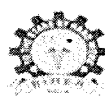


MODULE V:

(6 Hrs)

Non Vibratory Feeding and orientation Devices-Vibratory feeding and orienting Devices-Parts TransferNC systems-Robot grippers-Robot Sensors-Robot Programm.



Model Certificate

				
BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY				

CERTIFICATE OF PARTICIPATION

This is to certify that

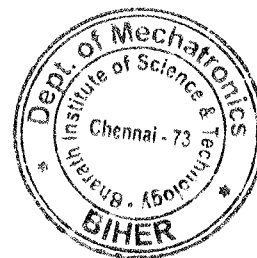
Prof./Dr./Mr./Ms.

of

BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY, BIHER, CHENNAI.

He /She has Participated in a Value Added Program on "Course on Automation
in Industries" organized by the School of Mechanical Sciences , Department of Mechatronics,
on 09th to 13th March 2020.

Coordinator Mr.M.Chandra Mohan	Convener Dr.P.Sengottuvel	Dean-Engineering Dr.J.Hameed Hussain
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Department of Mechatronics

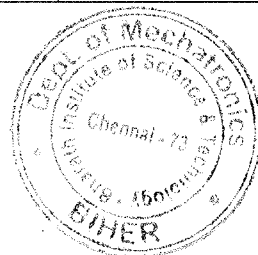
Value Added Course - Course on Automation in Industries

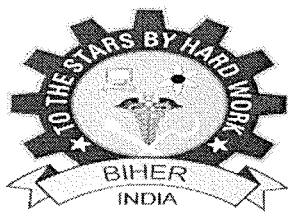
PARTICIPANTS LIST

S.No	Reg.No	Name	Department
1.	U16MT001	PRADEEPAN S	Mechatronics
2.	U16MT002	RAAHUL GANESH R	Mechatronics
3.	U16MT003	DINESH J	Mechatronics
4.	U16MT004	SRINATH B	Mechatronics
5.	U16MT005	DHANASEKAR R	Mechatronics
6.	U16MT006	GOUTHAM M	Mechatronics
7.	U16MT007	SATHIYASEELAN S	Mechatronics
8.	U16MT008	RAKESH P	Mechatronics
9.	U16MT009	ABDUL FAHEEM S	Mechatronics
10.	U16MT010	SAKTHI R	Mechatronics
11.	U16MT011	MELVINE ROHAN R	Mechatronics
12.	U16MT014	SARATHKUMAR D	Mechatronics
13.	U16MT015	SOMENDRAN A	Mechatronics
14.	U16MT017	Y MOHAMMED SHAHID SHARIFF	Mechatronics
15.	U16MT018	RATHISH KRISHNAN R	Mechatronics
16.	U16MT501	MUGILAN M	Mechatronics
17.	U17MT042	METHIL KRISHNAN A H	Mechatronics

18.	U17MT044	BADDITI YESOBU	Mechatronics
19.	U17MT045	ABDUL RAHAMAN S	Mechatronics
20.	U17MT046	VIGNESHWARAN V	Mechatronics
21.	U17MT048	PALANIYAPPAN S	Mechatronics
22.	U17MT049	NIKHILANTONY K J	Mechatronics
23.	U17MT050	THIRUMURUGAN G	Mechatronics
24.	U17MT051	BOLLEDDU RAVI TEJA .	Mechatronics
25.	U17MT052	SATHISH KUMAR S	Mechatronics
26.	U17MT053	GOKULAKRISHNAN U	Mechatronics
27.	U17MT054	VASANTH S	Mechatronics
28.	U17MT055	YOKESH RAJ V	Mechatronics
29.	U17MT056	SURYA PRAKASH N	Mechatronics
30.	U17MT057	SREE MUKESH R V	Mechatronics
31.	U17MT058	NAGARAJ P	Mechatronics
32.	U17MT059	RAKKESH ARAVIND G	Mechatronics
33.	U17MT060	DINESHKUMAR S	Mechatronics
34.	U17MT061	MOHAMMED ABBAS A	Mechatronics
35.	U17MT501	ADITHIYA M	Mechatronics
36.	U17MT502	MUTHU VIJAY RAJA V	Mechatronics
37.	U17MT503	DISHAN ASIR RAJ R	Mechatronics
38.	U17MT504	ARAVIND K	Mechatronics
39.	U17MT701	KEERTHIVASAN G	Mechatronics
40.	U17MT703	KOLLATI NAGA SIVA .	Mechatronics
41.	U18MT020	DOSURI VENKATA NAGA RAMA NIRMAL .	Mechatronics

42.	U18MT021	M LAKHAN PUROHIT .	Mechatronics
43.	U18MT022	JITENDER SUTHAR .	Mechatronics
44.	U18MT023	SHAIK AMEER .	Mechatronics
45.	U18MT024	KOTELLA PRATHAP REDDY .	Mechatronics
46.	U18MT025	SANGAL DHURV ALOK .	Mechatronics
47.	U18MT026	BALA MURUGAN P	Mechatronics
48.	U18MT028	S AKASH .	Mechatronics
49.	U18MT029	GARAPATI NAGA VEERA VENKATA DURGA PRASAD	Mechatronics
50.	U18MT030	CHILUKURI V D R SURYA CHOWDARY .	Mechatronics
51.	U18MT032	ASLAM HAMEED N .	Mechatronics
52.	U18MT033	MOHAMED NAFIL B	Mechatronics
53.	U18MT034	ROHITH JOSEPH S .	Mechatronics
54.	U18MT501	VIGNESH S	Mechatronics
55.	U18MT701	KARTHIKEYAN M	Mechatronics
56.	U18MT702	AJITH S	Mechatronics
57.	U18MT703	JAINUL AHAMEDSHA A	Mechatronics
58.	U18MT704	MOHAMMAD RIYAZ M	Mechatronics
59.	U18MT705	SHALISHWARAN T	Mechatronics
60.	U18MT706	TIRUMANI BULLI RAJU	Mechatronics



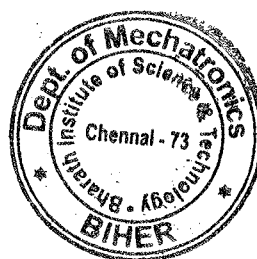


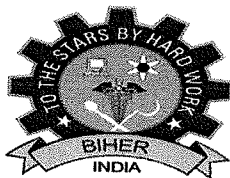
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Department of Mechatronics

Value added course on Course on Automation in Industries





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Requisition Letter

Date: 24.05.2019

From

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

To

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

Respected Sir,

Sub: Requisition for conducting Value added course – reg.

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

Thanking You

HOD/MECH



Bharath
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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Date: 25.06.2018

Department of Mechanical Engineering

Circular

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

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

Maximum no. of registration Allowed – 60.

Program coordinator


Dr.R.Hariharan



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

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Department of Mechanical Engineering

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

Objective

Developments of software computer interface in design of various elements

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

Module 1

(6Hours)

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

Module 2

(8 Hours)

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

Module 3

(8 Hours)

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

Module 4

(8Hours)

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



Department of Mechanical Engineering

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

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

Program Coordinator:

Dr.R.Hariharan

Assistant Professor

hariharan.mech@bharathuniv.ac.in



Bharath

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Attendance sheet

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

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

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH

This is to certify presented to :

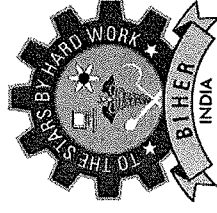
THAHEER AHAMED

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

month of June 2019



VAC CO-ORDINATOR



HOD MECHANICAL



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 Engineering

Date : 7/06/19

Event / Speaker Name : Value added Courses on CAD/CAM
Name of the Speaker: Mr. Harisharan E Lenin Pallesh

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

S.No	Parameters	Below Average	Average	Good	Excellent	Outstanding
1.	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 Useful



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Requisition Letter

Date: 30.08.2019

From

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

To

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

Respected Sir,

Sub: Requisition for conducting Value added course – reg.

School of Mechanical Sciences has planned to conduct Value added course entitled “COMPUTER-IN DESIGN, PHOTOSHOP AND CORELDRAW” from 02/09/2019 to 06/09/2019. In this regard we kindly request you to grant permission for the same.

HOD/MECH

Thanking You



Bharath
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Date:30.08.2019

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 02.09.2019 to 06.09.2019 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

Mr.VP.Durairaj



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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
- Working with type
- Saving a file

(10 Hrs)



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

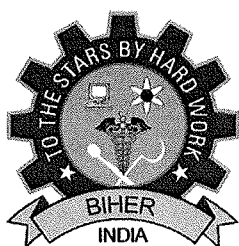
Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 3:30 PM)
02.09.2019	Program Inauguration Dr. R. Hariharan <ul style="list-style-type: none">• Introduction to tools selection• Drawing & colouring	Dr. K. Selvakumar <ul style="list-style-type: none">• Working with text• Applying effects
03.09.2019	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
04.09.2019	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
05.09.2019	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
06.09.2019	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 resourcesTransforming & retouching• Colour & tonal adjustment <p><i>Quiz/ Feedback / valedictory Session</i></p>

Program Coordinator:

Mr. VP. Durairaj

Assistant Professor,

E-Mail: vpdurairaj57@gmail.com



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Attendance sheet

S.No	Name	Register No.	Department
1	BENDICT JOHN SMITH B	U16ME501	Mechanical Engineering
2	BHARGAV NELAKUDITI	U16ME507	Mechanical Engineering
3	POOVENDHAN S	U16ME512	Mechanical Engineering
4	SEYED AHAMED A R	U16ME517	Mechanical Engineering
5	RAJOSHIK ROY	U16ME519	Mechanical Engineering
6	CHENNAMREDDY SRINATH	U16ME521	Mechanical Engineering
7	NEHLANGKI SUIAM	U16ME719	Mechanical Engineering
8	SIDDARTH A	U16ME019	Mechanical Engineering
9	NISONAN N	U16ME020	Mechanical Engineering
10	RAJITH R C	U16ME021	Mechanical Engineering
11	SURIYA RAJ R	U16ME022	Mechanical Engineering
12	R.UDHAYA KUMAR R	U16ME027	Mechanical Engineering
13	DINESH C	U16ME044	Mechanical Engineering
14	MUSTAQA AHMED M	U16ME045	Mechanical Engineering
15	GOWTHAM S	U16ME047	Mechanical Engineering
16	HEMANTH RAJ R	U16ME048	Mechanical Engineering
17	SHRIKHANTH R	U16ME052	Mechanical Engineering
18	SANTHOSH R	U16ME071	Mechanical Engineering
19	MOHAMMED THAUFEEQ K	U16ME136	Mechanical Engineering
20	DINESHKUMAR S	U16ME137	Mechanical Engineering
21	DEJOEL HAROLD RAYMOND F	U16ME141	Mechanical Engineering
22	DANTLA GOWTHAM REDDY	U16ME526	Mechanical Engineering
23	ANANDHRAJ J	U16ME527	Mechanical Engineering
24	YOGESH N	U16ME571	Mechanical Engineering
25	MOGHAL SAJEED BAIG	U16ME601	Mechanical Engineering
26	SURESH S	U16ME708	Mechanical Engineering
27	VASANTH KUMAR R	U16ME066	Mechanical Engineering
28	KAMASANI SURESH	U16ME078	Mechanical Engineering
29	MAJID ALI	U16ME080	Mechanical Engineering
30	HARISH S	U16ME082	Mechanical Engineering
31	ANAND KUMAR .	U16ME087	Mechanical Engineering
32	MACHUNURU PRASAD KUMAR REDDY	U16ME093	Mechanical Engineering
33	GOPAL KUMAR .	U16ME094	Mechanical Engineering
34	PAVITHRAN OMEZHILAN	U16ME520	Mechanical Engineering
35	I S V SAI DATTHA SHARAN	U16ME522	Mechanical Engineering

36	RANJITH VIGNESHWAR A	U16ME572	Mechanical Engineering
37	SHAIK MAHAMMED HANEEF	U16ME602	Mechanical Engineering
38	SHAIK RIYAZ	U16ME603	Mechanical Engineering
39	VISHVAK R	U16ME026	Mechanical Engineering
40	MOURYA RAJ D	U16ME042	Mechanical Engineering
41	V. SIVASHANMUGAM V	U16ME046	Mechanical Engineering
42	VIKRAM SINGH	U16ME050	Mechanical Engineering
43	KARRI PAVAN KUMAR	U16ME072	Mechanical Engineering
44	RAMACHANDRAN M	U16AM001	Automobile Engineering
45	LIBIN BOBBY	U16AM002	Automobile Engineering
46	NANDA KUMAR K	U16AM004	Automobile Engineering
47	VASANTHKUMAR R	U16AM005	Automobile Engineering
48	KARANPRAKASH R	U16AM006	Automobile Engineering
49	SUNDARESWARAN B	U16AM007	Automobile Engineering
50	PALAPANDALA PRUDHVI	U16AM008	Automobile Engineering
51	THAMIM ANSARI K	U16AM009	Automobile Engineering
52	DHANASEKAR R	U16MT005	Mechatronics Engineering
53	GOUTHAM M	U16MT006	Mechatronics Engineering
54	CHANDRASEKAR D G	U16MT701	Mechatronics Engineering
55	CHIRANJEEVI A	U16MT702	Mechatronics Engineering

Bharath Institute of Higher Education and Research

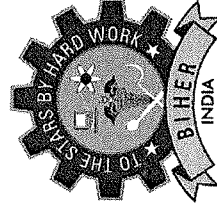
CERTIFICATE OF PARTICIPATION

This is certify that

MAJID ALI _____

has participated in the Value Added Course titled "Computer - Indesign, Photoshop, Corel draw" conducted by the School of Mechanical Engineering during the month of September 2019.

VAC CO-ORDINATOR



HOD MECHANICAL



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 Engineering

Date : 2/9/19 to 6/9/19

Event / Speaker Name : Computer - Training, Photoshop, Coreldraw, Dr. Harikumar and Dr. Selvakumar.

- 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				✓	✓

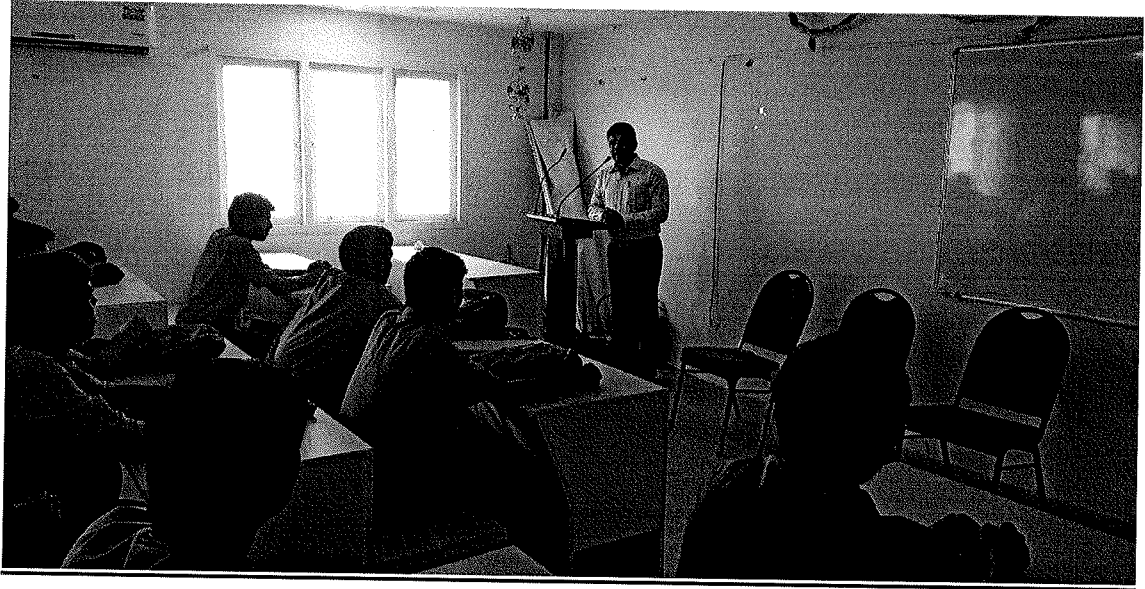
- Overall, how would you rate this Guest Lecture / Workshop / Seminar / Event/Value added course?

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

- Comments (If any):

The topics covered were very nice and informative.

PHOTO





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Requisition Letter

Date: 17.06.2019

From

The Head of the Department,
Department of Automobile Engineering,
Bharath Institute of Higher Education and Research,
Selaiyur, Chennai - 73

To

The Dean Engineering,
Bharath Institute of Higher Education and Research,
Selaiyur, Chennai - 73

Respected Sir,

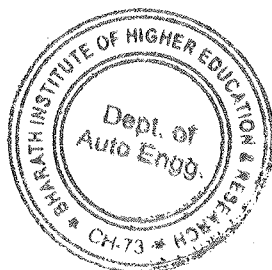
Sub: Requisition for conducting Value added course – reg.

School of Mechanical Engineering has planned to conduct Value added course on “Short term Course on Automobile Technology” on 03/07/2019. In this regard we kindly request you to grant permission for the same.

Thanking You


HOD/AUTO


Dean Engineering





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

Department of Automobile Engineering

Date: 24.06.2019

Circular

The of Department of Automobile Engineering, BIHER glad to conduct on five days value added program on "*Short term Course on Automobile Technology*" from 03.07.2019 for 30 hours. Those who are interested to participate do register your name to the program coordinator.

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

Resource person: Mr.R. Anbazhagan and Mr.C. Thamotharan

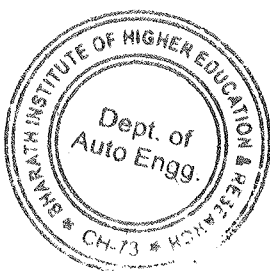
Maximum no. of registration allowed – 60.

***First come first serve basis.**

Program coordinator

Mr. D. Mohankumar

Mr. E. Raja





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Department of Automobile Engineering

**Five days Value added Program on “Short Term Course on Automobile Technology” from
3rd July to 7th July 2019**

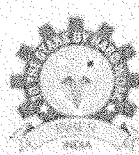
Date	Morning Session (9 AM to 12 PM)	Afternoon Session (1.30 PM to 3.30 PM)
03.07.2019 (Monday)	Mr. C. Thamotharan INTAKE AND EXHAUST SYSTEMS Remove, clean and replace intake system remove and replace exhaust manifold, silencer and exhaust pipe -remove and replace catalytic converter.	Mr. R. Anbazhagan CYLINDER HEAD ASSEMBLY Remove accessories fitted with the diesel engine- remove and dismantle cylinder head- clean and lubricate cylinder head components viz. valve, valve guide, valve seats, valve spring,
04.07.2019 (Tuesday)	Mr. R. Anbazhagan CYLINDER BLOCK ASSEMBLY Dismantle engine block components clean and lubricate components viz. Crank shaft, main and connecting rod bearings, piston, piston rings	Mr. C. Thamotharan Identification of Electronic control Unit. Set up for testing. Identification of various EFI sensors installed in engine & its mounting. Practice on tracing input sensor wiring and connectors- remove and replace sensors
05.07.2019 (Wednesday)	Mr. C. Thamotharan EMISSION CONTROL SYSTEM Demonstration of Emission control methods. Test and service an exhaust gas recirculating valve- remove and replace EGR valve- clean an EGR valve and passages.	Mr. R. Anbazhagan Automatic transmission Identification of Automatic transmission components and related sensors. Tracing wiring circuit in Automatic Transmission Electronic Power Steering Identification of EPS components and related sensors. Tracing wiring circuit in EPS.
06.07.2019 (Thursday)	Mr. R. Anbazhagan ABS Identification of ABS components and related sensors. Tracing wiring circuit in Antilock Braking system	Mr. C. Thamotharan Demonstration on Safety and precautions while working with LPG and CNG.
07.07.2019 (Friday)	Mr. C. Thamotharan Identify different location of various ECUs in vehicle Identify antitheft system. Practice on Identifying Proximity sensor, Parking sensor, crash sensor, Rain and Light sensor	Mr. R. Anbazhagan Demonstration of Hybrid system vehicle

Program Coordinator:

Mr.D. Mohan Kumar

Mr.E. Raja,

E-Mail: mohan.auto@bharathuniv.ac.in



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ACCREDITED WITH 'A' GRADE BY NAAC



BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY
SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF AUTOMOBILE ENGINEERING
CONDUCTING VALUE ADDED COURSE ON

SHORT TERM COURSE ON AUTOMOBILE TECHNOLOGY

Date

03.07.2019

Resource Person

Mr. R. Anbazhagan

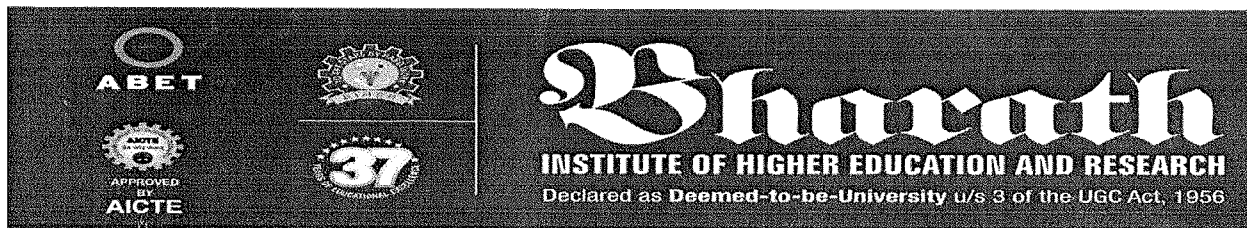
&

Mr. C. Thamoetharan

Program Coordinator

Mr. D. Mohan Kumar, AP / Automobile

Mr. E. Raja, AP / Automobile



DEPARTMENT OF AUTOMOBILE ENGINEERING

STUDENTS NAME LIST

COURSE: Short term course on Automobile Technology

DATE: 03.07.2019

ACADEMIC YEAR: 2019-2020

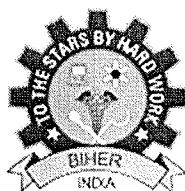
S.No	REG.NO	STUDENT NAME	DEPARTMENT	SIGNATURE
1	U16AM005	Vasanthkumar R	AUTOMOBILE	Vasanthkumar
2	U16AM006	Karanprakash R	AUTOMOBILE	Karan Prakash
3	U16AM007	Sundareswaran B	AUTOMOBILE	Sundareswaran
4	U16AM008	Palapandala Prudhvi	AUTOMOBILE	Palapandala Prudhvi
5	U16AM009	Thamim Ansari K	AUTOMOBILE	Thamim Ansari
6	U17AM002	PRAVEEN KUMAR G	AUTOMOBILE	Praveen Kumar
7	U17AM003	ALIHUSSAIN MURTAZA	AUTOMOBILE	Ali Hussain
8	U17AM004	NAVEEN KUMAR U	AUTOMOBILE	Naveen Kumar
9	U17AM005	SUNDERJI G	AUTOMOBILE	Sunderji
10	U17AM006	RANJITH R	AUTOMOBILE	Ranjith
11	U17AM007	YOGESHWARAN K	AUTOMOBILE	Yogeshwaran
12	U18AM005	DULAM YESWANTH REDDY.	AUTOMOBILE	Dulam Yeswanth
13	U18AM006	CHANDRU J	AUTOMOBILE	Chandru
14	U18AM007	ADDURI SAI AKHIL	AUTOMOBILE	Adduri Sai Akhil
15	U18AM008	NARAYANAM KRISHNA SAI N	AUTOMOBILE	Narayanam

16	U16MT003	DINESH J	MECHATRONICS	Dinesh J
17	U16MT004	SRINATH B	MECHATRONICS	Srinath B
18	U16MT005	DHANASEKAR R	MECHATRONICS	Dhanasekar R
19	U16MT006	GOUTHAM M	MECHATRONICS	Goutham M
20	U16MT007	SATHIYASEELAN S	MECHATRONICS	sathyaseelan s
21	U16MT008	RAKESH P	MECHATRONICS	Rakesh P
22	U17MT012	TAMILSELVAN A	MECHATRONICS	Tamilselvan A
23	U17MT013	ARUN KUMAR C K	MECHATRONICS	Arun Kumar
24	U17MT014	MOHAN PIRASATH M	MECHATRONICS	Mohan
25	U17MT015	BAGIYARAJ D	MECHATRONICS	Bagiyaraj D
26	U17MT016	MANOJ KUMAR P	MECHATRONICS	Manoj Kumar
27	U18MT028	S AKASH .	MECHATRONICS	Akash
28	U18MT029	GARAPATI NAGA VEERA VENKATA DURGA PRASAD	MECHATRONICS	Veera Venkata
29	U18MT030	CHILUKURI V D R SURYA CHOWDARY .	MECHATRONICS	Jungu Chowdary
30	U18MT031	SENGUTTUVAN A .	MECHATRONICS	Senguttuvan. A
31	U18MT032	ASLAM HAMEED N .	MECHATRONICS	Islam Hameed
32	U16ME056	YOGESH	MECHANICAL	Yogesh
33	U16ME059	JEFRON	MECHANICAL	Jefron
34	U16ME062	DANIEL	MECHANICAL	Daniel
35	U16ME066	VASANTH KUMAR	MECHANICAL	Vasanth Kumar
36	U17ME102	HARISH	MECHANICAL	Harish
37	U17ME120	SUDDAPALLI JASWANTH SAI KUMAR	MECHANICAL	Saukumar
38	U17ME125	BURRAREDDYPALLE	MECHANICAL	Burrareddy Palle

39	U17ME131	DASARI	MECHANICAL	Dasari
40	U17ME135	VEMULA CHANDU RASAD	MECHANICAL	Chandu Rasad
41	U18ME100	EDIPALLI DATTA SAI VARMA	MECHANICAL	Saivarma
42	U18ME104	VEMULA VINOD KUMAR	MECHANICAL	VINOD KUMAR
43	U18ME117	SURESH	MECHANICAL	Suresh
44	U18ME120	AJAY KUMAR REDDY	MECHANICAL	Ajay Kumar
45	U18ME126	MALLU SRIKANTH REDDY	MECHANICAL	Srikanth Reddy
46	U18ME131	GOPE ARUN KUMAR	MECHANICAL	Gope Arun Kumar
47	U18ME138	POTHURAJU PRASANTHKUMAR	MECHANICAL	Pothuraju Prasanth Kumar
48	U18ME156	PASCAL JHONDY RHODES P	MECHANICAL	Jhondy
49	U18ME174	MAJJI JAGADEESH	MECHANICAL	Jagadeesh
50	U18ME182	EDIPALLI DATTA SAI VARMA	MECHANICAL	B. Sai Varma

No of Students Registered: 50

No of Students present: 50



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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 : Automobile Engineering

Date : 03/07/2019

Event / Speaker Name : Short term course on Automobile Technology

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

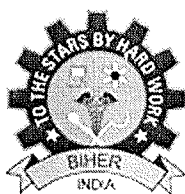
S.NO	Parameters	Below Average	Average	Good	Excellent	Outstanding
1.	The Topic					✓
	The choice of topic was relevant to me					✓
2.	The Lecturer / Speaker					
	Self-confidence			✓		
	Communication skills	✓				
	Doubts/ queries were answered satisfactorily					✓
3.	The Content (Topic)					
	Refers to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

I very interesting course of
Automobile Engineering.



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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 : Mechatronics

Date : 03/07/2019

Event / Speaker Name : Short term Course on Automobile Technology

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

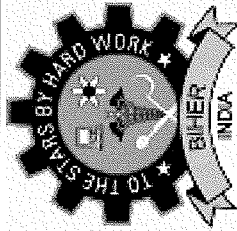
S.NO	Parameters	Below Average	Average	Good	Excellent	Outstanding
1.	The Topic					
	The choice of topic was relevant to me			✓		
2.	The Lecturer / Speaker					
	Self-confidence			✓		
	Communication skills				✓	
	Doubts/ queries were answered satisfactorily		✓			
3.	The Content (Topic)					
	Refers to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



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This is to certify that Mr/Ms **SATHIYASEELAN S**..... has


attended the **SHORT-TERM COURSE ON AUTOMOBILE TECHNOLOGY**

programme organized by Department of Automobile Engineering. Bharath

Institute of Higher Education and Research, Chennai on **07-03-19**


Co-Ordinator


HOD


Dean
Mechanical Engineering





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Requisition Letter

Date: 17.12.2019

From

The Head of the Department,
Department of Automobile Engineering,
Bharath Institute of Higher Education and Research,
Selaiyur, Chennai - 73

To

The Dean Engineering,
Bharath Institute of Higher Education and Research,
Selaiyur, Chennai - 73


Respected Sir,

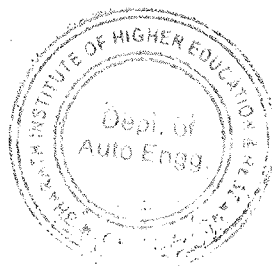
Sub: Requisition for conducting Value added course – reg.

School of Mechanical Engineering has planned to conduct Value added course on “Course on Workshop Practice” on 06/01/2020. In this regard we kindly request you to grant permission for the same.

Thanking You


HOD/AUTO


Dean Engineering





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Department of Automobile Engineering

Date: 23.12.2019

Circular

The of Department of Automobile Engineering, BIHER glad to conduct on four days value added program on “*Course on Workshop*” from 06.01.2020 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. M. Senthil Kumar and Mr. C. Thamoetharan

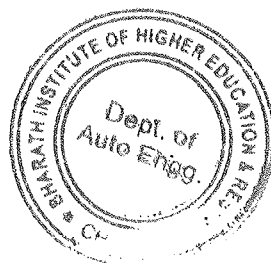
Maximum no. of registration allowed – 60.

***First come first serve basis.**

Program coordinator

Mr. D. Mohankumar

Mr. E. Raja





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Department of Automobile Engineering

Five days Value added Program on “Course on Workshop Practice” from
6th Jan to 10th Jan 2020

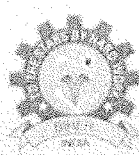
Date	Morning Session (9 AM to 12 PM)	Afternoon Session (1.30 PM to 3.30 PM)
06.01.2020 (Monday)	Dr. M. Senthil Kumar Introduction to workshop practice: Introduction To Workshop Practice, Safety, Care And Precaution In Workshop	Mr. C. Thamotharan Bench work tools and processes: The Bench Work Tools And Its Uses
07.01.2020 (Tuesday)	Mr. C. Thamotharan The Bench Work Tools, Its Uses And Processes	Dr. M. Senthil Kumar Smithy and forging tools and operation: Smithy And Forging Tools And Equipment
08.01.2020 (Wednesday)	Dr. M. Senthil Kumar Smithy And Forging Operation	Mr. C. Thamotharan Heat treatment process: Heat Treatment Processes: Hardening, Tempering, Annealing And Normalizing, Metal Cutting
09.01.2020 (Thursday)	Dr. M. Senthil Kumar Welding: Electric Arc Welding, Gas Welding	Mr. C. Thamotharan Lathe machine, drilling machine, etc.: Introduction To Lathe Machine, Drilling machine, milling machine
10.01.2020 (Friday)	Dr. M. Senthil Kumar Introduction To Shaper And Planer Machine, CNC Machines	Mr. C. Thamotharan Jigs and fixtures: Use Of Jigs And Fixtures In Production

Program Coordinator:

Mr.D. Mohan Kumar

Mr.E. Raja

E-Mail: mohan.auto@bharathuniv.ac.in



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ACCREDITED WITH 'A' GRADE BY NAAC



BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY
SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF AUTOMOBILE ENGINEERING
CONDUCTING VALUE ADDED COURSE ON
COURSE ON WORKSHOP

Date

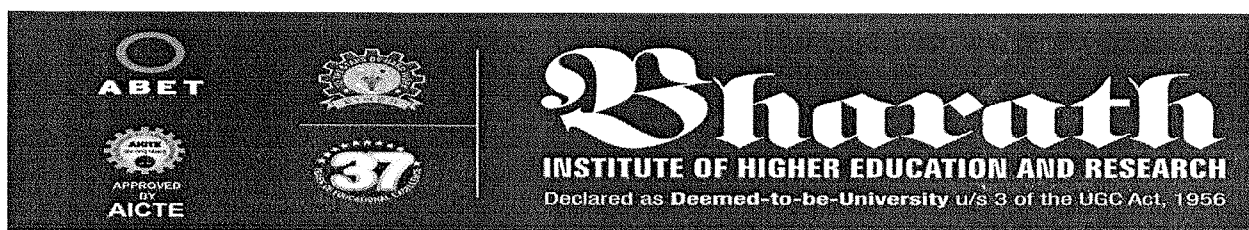
06.01.2020

Resource Person

Dr. M. Senthil Kumar
&
Mr. C. Thamoetharan

Program Coordinator

Mr. D. Mohan Kumar, AP / Automobile
Mr. E. Raja, AP / Automobile



DEPARTMENT OF AUTOMOBILE ENGINEERING

STUDENTS NAME LIST

COURSE: Course on Workshop practice

DATE: 01.06.2020

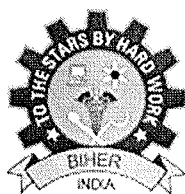
ACADEMIC YEAR: 2019-2020

S.No	REG.NO	STUDENT NAME	DEPARTMENT	SIGNATURE
1	U18AM009	JANJANAM UTTEJ.	AUTOMOBILE	Janjanam Uttej
2	U18AM010	AVINASH R PATEL.	AUTOMOBILE	Avinash R Patel
3	U18AM011	GANESH U.	AUTOMOBILE	Ganesh U.
4	U18AM012	REDDY DINESH	AUTOMOBILE	Reddy Dinesh
5	U18AM013	NAGISETTY VINAY PRASAD	AUTOMOBILE	Vinay Prasad
6	U17AM002	PRAVEEN KUMAR G	AUTOMOBILE	Praveen Kumar G
7	U17AM003	ALIHUSSAIN MURTAZA	AUTOMOBILE	Ali Hussain
8	U17AM004	NAVEEN KUMAR U	AUTOMOBILE	Naveen Kumar U
9	U17AM005	SUNDERJI G	AUTOMOBILE	Sunderji G
10	U17AM006	RANJITH R	AUTOMOBILE	Ranjith R
11	U17AM007	YOGESHWARAN K	AUTOMOBILE	Yogeshwaran K
12	U17AM009	KARTHICK Y	AUTOMOBILE	Karthick Y
13	U16AM001	RAMACHANDRAN M	AUTOMOBILE	Ramachandran M
14	U16AM002	LIBIN BOBBY	AUTOMOBILE	Libin Bobby
15	U16AM004	NANDA KUMAR K	AUTOMOBILE	Nanda Kumar K
16	U18MT702	AJITH S	MECHATRONICS	Ajith S

17	U18MT703	JAINUL AHAMEDSHA A	MECHATRONICS	jainul
18	U18MT704	MOHAMMAD RIYAZ M	MECHATRONICS	Riyaz
19	U17MT006	JAISINGH ALAN JEROME J	MECHATRONICS	Jaisingh
20	U17MT007	SELVAMANI S	MECHATRONICS	Selvamani
21	U16MT011	MELVINE ROHAN R	MECHATRONICS	Rohan
22	U16MT014	SARATHKUMAR D	MECHATRONICS	Sarathkumar
23	U16MT015	SOMENDRAN A	MECHATRONICS	Somendran
24	U18ME195	ARUN BENIEL SELVASINGH	MECHANICAL	Arun
25	U18ME502	ABINASH	MECHANICAL	Abinash
26	U17ME163	NALLA SRINATH REDDY	MECHANICAL	Srinath Reddy
27	U17ME171	KARRI PAVAN KALYAN	MECHANICAL	Pavan kalyan
28	U17ME173	NALAJAM MOHAN SAI	MECHANICAL	Moham Sai
29	U16ME094	GOPAL KUMAR	MECHANICAL	Gopal Kumar
30	U16ME098	PRAJEESH S NAIR	MECHANICAL	Prajeesh
31	U16ME100	NAGIREDDY AJAYKUMAR	MECHANICAL	Nagireddy
32	U16ME101	VIJAY	MECHANICAL	Vijay
33	U16ME104	MULLAGURA BHARATH KUMAR	MECHANICAL	Bharath Kumar

No of Students Registered: 33

No of Students present: 33



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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 : Automobile Engineering

Date : 01/06/2020

Event / Speaker Name : Course on workshop practice

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

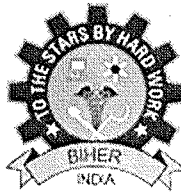
S.NO	Parameters	Below Average	Average	Good	Excellent	Outstanding
1.	The Topic					
	The choice of topic was relevant to me			✓		
2.	The Lecturer / Speaker					
	Self-confidence		✓			
	Communication skills					✓
	Doubts/ queries were answered satisfactorily			✓		
3.	The Content (Topic)					
	Refers to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



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FEEDBACK FORM

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

Name of Department : Mechanical Engineering

Date : 01/06/2020

Event / Speaker Name : course on workshop practice

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

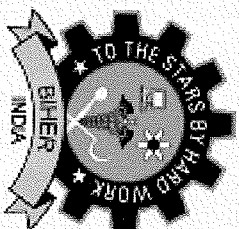
S.NO	Parameters	Below Average	Average	Good	Excellent	Outstanding
1.	The Topic					
	The choice of topic was relevant to me				✓	
2.	The Lecturer / Speaker					
	Self-confidence				✓	✓
	Communication skills				✓	
	Doubts/ queries were answered satisfactorily				✓	
3.	The Content (Topic)					
	Refers to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

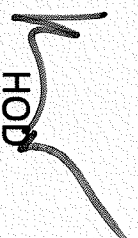
Very good experience




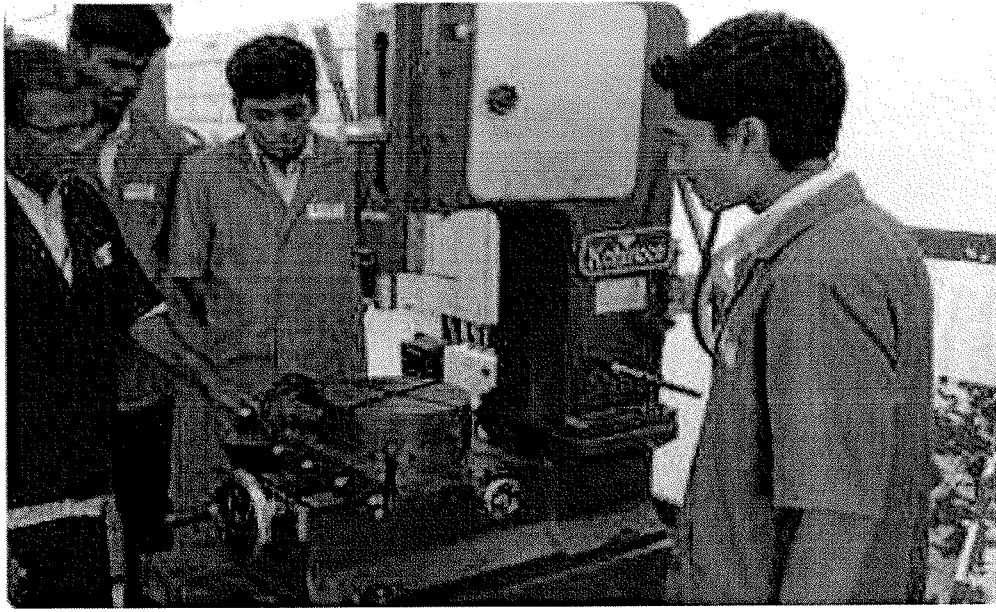
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This is to certify that Mr / ~~Ms~~ ... **NAYEEN KUMAR U** has
attended the COURSE ON WORKSHOP PRACTICE programme organized by
Department of Automobile Engineering. Bharath Institute of Higher
Education and Research, Chennai on **06-01-20**


Co-Ordinator


HOD


Dean
Mechanical Engineering





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Requisition Letter

Date: 21 .11.2019

From

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

To

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

Respected Sir,

Sub: Requisition for conducting Value added course – reg.

School of Mechanical Sciences has planned to conduct Value added course entitled "Energy conservation and waste heat Recovery" from 28/11/2019 to 5.12.2019. In this regard we kindly request you to grant permission for the same.

Thanking You

HOD/MECH



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Date: 21.11.2019

Department of Mechanical Engineering

Circular

The of Department of Mechanical Engineering, BIHER glad to conduct on five days value added program on “ **Energy Conversion and Waste Recovery** ” from 28.11.2019 to 5.12.2019 for 30 hours. Those who are interested to participate do register your name to the program coordinator.

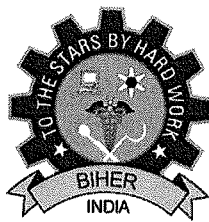
All reregistered students must attend all the classes without fail. The students who are completed the course successfully with good score will get the course completion certificate from the institute/Department.

Resource person: Dr.R.Ravi, Dr.R.Hariharan

Maximum no. of registration Allowed – 60.


Program coordinator

Mr.V.Jose Ananth Vino



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Department of Mechanical Engineering

Energy Conversion and Waste Recovery

Objective

Estimates from analyses and audits from various industries suggest that 20 to 50% of industrial energy input is lost as waste heat.

Module 1

(6Hours)

Introduction to Waste Heat, Importance of Waste Heat Recovery, Review of Thermodynamics, Introduction to First and Second Laws, Review of Thermodynamics, Introduction to First and Second Laws, Review of Thermodynamics – Entropy, Entropy Generation First and Second Law efficiency

Module 2

(6Hours)

Power Plant Cycles - Energy Cascading, Rankine Cycle, modification of Rankine cycle, examples,

Gas Turbine Cycle, Combined Cycle, Combined Gas Turbine-Steam, Turbine Power Plant, Heat Recovery Steam Generators

Module 3

(6Hours)

Thermodynamic cycles for low temperature application, Cogenerations, Introduction to Heat Exchangers, Analysis – LMTD and ϵ -NTU method, Analysis of Heat Exchanger – continued, Problem solving, Special Heat Exchangers for Waste Heat Recovery, Synthesis of Heat Exchanger

Module 4

(6Hours)

Heat pipes & Vapor Chambers, Direct conversion technologies – Thermoelectric Generators. Direct conversion technologies – Thermoelectric Generators (contd.), Thermoionic conversion, Thermo-PV, MHD

Module 5

(6 Hours)

Heat Pump; Heat Recovery from Incinerators, Energy Storage – Introduction, Energy Storage Techniques – Pumped hydro, Compressed Air, Flywheel, Superconducting Magnetic storage



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Department of Mechanical Engineering

One Week Value added Program on Energy Conversion and Waste Recovery from 28.11.2019
To 5.12.2019

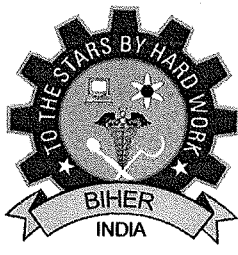
Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 4:30 PM)
28-11-2019 (Thursday)	Program Inauguration Dr.R.Ravi Introduction to Waste Heat, Importance of Waste Heat Recovery, Review of Thermodynamics, Introduction to First and Second Laws, Review of Thermodynamics	Mr.Josh Ananth Vino Introduction to First and Second Laws, Review of Thermodynamics – Entropy, Entropy Generation First and Second Law efficiency
29-11-2019 (Friday)	Dr.R.Ravi Power Plant Cycles - Energy Cascading, Rankine Cycle, modification of Rankine cycle, examples,	Dr.R.Hariharan Gas Turbine Cycle, Combined Cycle, Combined Gas Turbine-Steam, Turbine Power Plant, Heat Recovery Steam Generators
3-12-2019 (Wednesday)	Dr.R.Ravi Thermodynamic cycles for low temperature application, Cogenerations, Introduction to Heat Exchangers, Analysis – LMTD and ϵ -NTU method	Dr.R.Hariharan Analysis of Heat Exchanger – continued, Problem solving, Special Heat Exchangers for Waste Heat Recovery, Synthesis of Heat Exchanger
4-12-2019 (Thursday)	Dr.R.Ravi Heat pipes & Vapor Chambers, Direct conversion technologies, Thermoelectric Generators. Direct conversion technologies	Mr.Josh Ananth Vino Thermoelectric Generators (contd.), Thermoionic conversion, Thermo-PV, MHD
5-12-2019 (Friday)	Dr.R.Ravi Heat Pump; Heat Recovery from Incinerators, Energy Storage – Introduction, Energy Storage Techniques	Dr.R.Ravi Pumped hydro, Compressed Air, Flywheel, Superconducting Magnetic storage

Program Coordinator:

Mr.V.Jose Ananth Vino

Assistant Professor,

Jose ananthvino.mech@bharathuniv.ac.in



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Attendance sheet

S.No	Name	Register No.	Department
1	YOGACHENDOORAN	U17ME056	Mechanical Engineering
2	ABUBAKKAR SIDHEEK	U17ME057	Mechanical Engineering
3	BALAJI	U17ME058	Mechanical Engineering
4	ABBAS	U17ME059	Mechanical Engineering
5	GOWTHAM	U17ME060	Mechanical Engineering
6	KAUSIK SHANKAR	U17ME061	Mechanical Engineering
7	HARISH	U17ME062	Mechanical Engineering
8	SAILEN SAIKIA	U17ME063	Mechanical Engineering
9	PATAN FAYAZ KHAN	U17ME064	Mechanical Engineering
10	MANIKANDAN	U17ME065	Mechanical Engineering
11	KUNDRAPU	U17ME066	Mechanical Engineering
12	MUKKAMALLA NANDISHWARA REDDY	U17ME067	Mechanical Engineering
13	PALAPARTHI	U17ME068	Mechanical Engineering
14	RANJITHKUMAR	U17ME069	Mechanical Engineering
15	REYAS DHEEN	U17ME070	Mechanical Engineering
16	CHAKKA VENKATA CHENNA PAVAN	U17ME071	Mechanical Engineering
17	JAYA SURYA	U17ME072	Mechanical Engineering
18	SURIYA	U17ME073	Mechanical Engineering
19	SHAKEEL MOHIDEEN	U17ME074	Mechanical Engineering
20	BALAGA	U17ME075	Mechanical Engineering
21	GUDUGUNTALA SRAVAN KUMAR	U17ME076	Mechanical Engineering
22	JADDU SIVA RAMA KRISHNA	U17ME077	Mechanical Engineering
23	ANGADALA PAVAN KALYAN	U17ME078	Mechanical Engineering
24	KARRI GOWTHAM MALLA REDDY	U17ME079	Mechanical Engineering
25	SARAKANA UDAY KUMAR	U17ME080	Mechanical Engineering
26	SERU SAI RAM REDDY	U17ME081	Mechanical Engineering
27	POLA	U17ME082	Mechanical Engineering
28	YALLA	U17ME083	Mechanical Engineering
29	BURUGUPALLI	U17ME084	Mechanical Engineering
30	VEGIREDI	U17ME085	Mechanical Engineering
31	DAMALAPATI KIRAN KUMAR	U17ME086	Mechanical Engineering
32	RITHISHKRISHNA D V	U17AM020	Automobile Engineering
33	SHAIK REHAMAN	U17AM021	Automobile Engineering
34	MARTHA CHAITANYA	U17AM022	Automobile Engineering

35	BIRADAR GANESH	U17AM023	Automobile Engineering
36	YOGACHENDOORAN	U17AM025	Mechanical Engineering
37	DHARANIDHARAN J	U17MT038	Mechatronics Engineering
38	SAGADEVAN G	U17MT039	Mechatronics Engineering
39	NIZAMUDEEN A	U17MT040	Mechatronics Engineering
40	METHIL KRISHNAN A H	U17MT042	Mechatronics Engineering

Bharath Institute of Higher Education and Reseaarch

CERTIFICATE OF PARTICIPATION

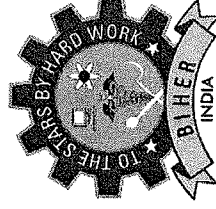
This certificate goes to

REYAS DHEEN

for successfully completing the Value Added Course
on "Energy Conservation and Waste Heat Recovery"
conducted by the School of Mechanical Engineering
during the month of November 2019.

Deve Anil Vinn

VAC CO-ORDINATOR



[Signature]

HOD MECHANICAL



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FEEDBACK FORM

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

Name of Department : MECHANICAL

Date : 5.12.2019

Event / Speaker Name : Value added Program "Energy Conversion and Waste Recovery" Dr. R. Ravi, Mr. Jash Ananth Vinu

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

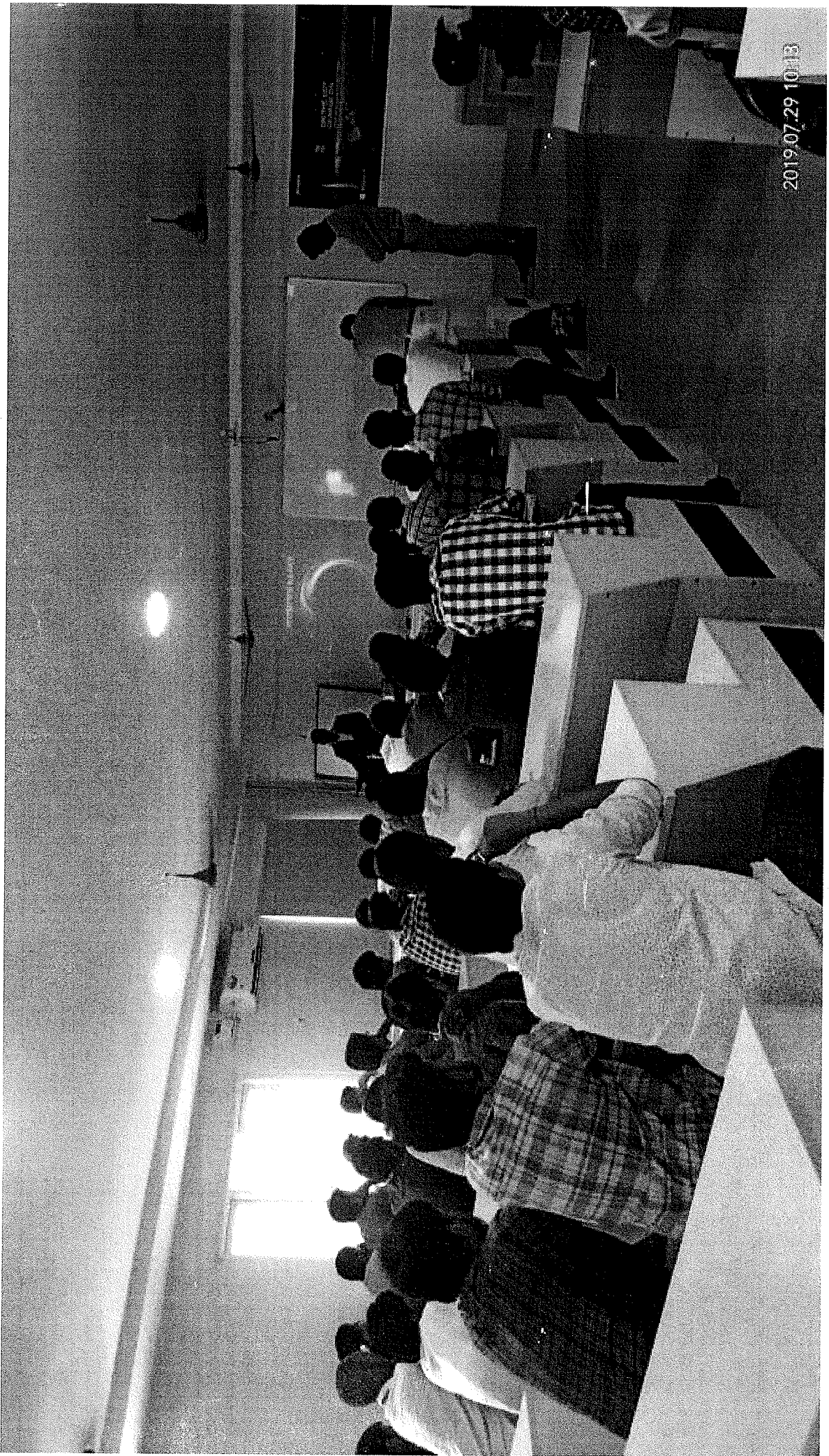
S.No	Parameters	Below Average	Average	Good	Excellent	Outstanding
1.	The Topic					✓
	The choice of topic was relevant to me					✓
2.	The Lecturer / Speaker					✓
	Self-confidence					✓
	Communication skills				✓	
	Doubts/ queries were answered satisfactorily					✓
3.	The Content (Topic)					✓
	Refers 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 Informative, How useful
Energy efficiently,



2019.07.29 10:13



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Date: 02.01.2020

Department of Mechatronics

Circular

The Department of Mechatronics, BIHER is glad to conduct a 5 - days Value Added Program on “**Energy Resources and Conversion Processes**” dated from 20.01.2020 to 24.01.2020 for a period of 30 hours. Those who are interested to participate do register your name with the program coordinator mentioned below.

Resource persons:

Dr.P. Sengottuvel,
Professor,
BIHER

Mr. Karthick
Manager,
E Park St,
Shenoy Nagar,
Chennai.

Maximum No. of registration Allowed – 61

***First come first serve basis.**

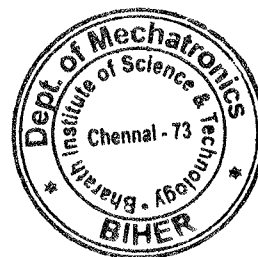
Program Coordinator:

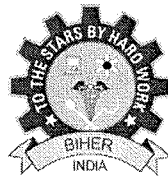
Mrs.G. Vasumathi
Assistant Professor

Mr. J.Dhanasekar
Assistant Professor,

E-Mail: ghanasekar.mt@bharathuniv.ac.in

Mobile: 9962133365 / 9841259514





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Department of Mechatronics

ENERGY RESOURCES AND CONVERSION PROCESSES

OBJECTIVES:

This course "Energy Resources and Conversion Processes" broadly gives an overview of various energy resources, their availability and use pattern.

[DAY: 1] MODULE I

Introduction to Energy and its Various Forms (6 Hrs)

[DAY: 2] MODULE II

Conventional Energy Sources (6 Hrs)

[DAY: 3] MODULE III

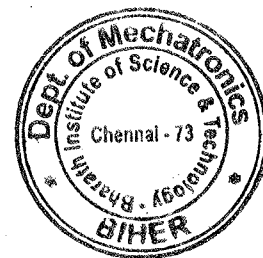
Solar Energy (6 Hrs)

[DAY: 4] MODULE IV





Wind Energy (6 Hrs)

[DAY: 5] MODULE V:

Principles of Energy Conversion (6 Hrs)



Model Certificate

			
BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY			

CERTIFICATE OF PARTICIPATION

This is to certify that

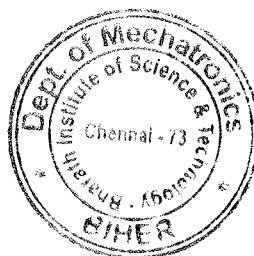
Prof./Dr./Mr./Ms.

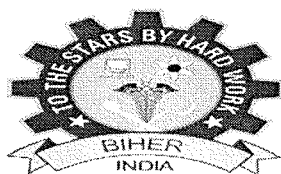
of

BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY, BIHER, CHENNAI.

He /She has Participated in a Value Added Program on "Course on ENERGY RESOURCES AND CONVERSION PROCESSES" organized by the School of Mechanical Sciences, Department of Mechatronics, on 20th to 24th January 2020.

Coordinator Mrs.G. Vasumathi	Convener Dr.P.Sengottuvel	Dean-Engineering Dr.J.Hameed Hussain
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Department of Mechatronics

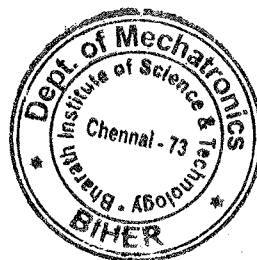
Value Added Course - ENERGY RESOURCES AND CONVERSION PROCESSES

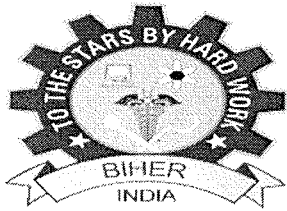
PARTICIPANTS LIST

S.No	Reg.No	Name	Department
1.	U17MT042	METHIL KRISHNAN A H	Mechatronics
2.	U17MT044	BADDITI YESOBU	Mechatronics
3.	U17MT045	ABDUL RAHAMAN S	Mechatronics
4.	U17MT046	VIGNESHWARAN V	Mechatronics
5.	U17MT048	PALANIYAPPAN S	Mechatronics
6.	U17MT049	NIKHILANTONY K J	Mechatronics
7.	U17MT050	THIRUMURUGAN G	Mechatronics
8.	U17MT051	BOLLEDDU RAVI TEJA .	Mechatronics
9.	U17MT052	SATHISH KUMAR S	Mechatronics
10.	U17MT053	GOKULAKRISHNAN U	Mechatronics
11.	U17MT054	VASANTH S	Mechatronics
12.	U17MT055	YOKESH RAJ V	Mechatronics
13.	U17MT056	SURYA PRAKASH N	Mechatronics
14.	U17MT057	SREE MUKESH R V	Mechatronics
15.	U17MT058	NAGARAJ P	Mechatronics

16.	U17MT059	RAKKESH ARAVIND G	Mechatronics
17.	U17MT060	DINESHKUMAR S	Mechatronics
18.	U17MT061	MOHAMMED ABBAS A	Mechatronics
19.	U17MT501	ADITHIYA M	Mechatronics
20.	U17MT502	MUTHU VIJAY RAJA V	Mechatronics
21.	U17MT503	DISHAN ASIR RAJ R	Mechatronics
22.	U17MT504	ARAVIND K	Mechatronics
23.	U17MT701	KEERTHIVASAN G	Mechatronics
24.	U17MT703	KOLLATI NAGA SIVA .	Mechatronics
25.	U18MT001	KANNAN K .	Mechatronics
26.	U18MT002	ARUN KUMAR S .	Mechatronics
27.	U18MT003	PRAVIN KUMAR V .	Mechatronics
28.	U18MT004	JAGADEESH KUMAR P .	Mechatronics
29.	U18MT005	PRAVEENKUMAR V .	Mechatronics
30.	U18MT006	SANTHOSHKUMAR M .	Mechatronics
31.	U18MT007	JEBULTONE A .	Mechatronics
32.	U18MT008	VASANTHRADEVI R .	Mechatronics
33.	U18MT009	SANJAY C .	Mechatronics
34.	U18MT010	MOHAMMED SHARJUN K .	Mechatronics
35.	U18MT012	BRIGHT SELVA KUMARAN A .	Mechatronics
36.	U18MT013	E MAGESHWARAN .	Mechatronics
37.	U18MT014	SATHISH KUMAR B .	Mechatronics
38.	U18MT015	ROHITH V S .	Mechatronics
39.	U18MT016	EMAYAVARMAN P K .	Mechatronics

40.	U18MT017	KURAPATI JAGADEESH .	Mechatronics
41.	U18MT018	YOGESH M .	Mechatronics
42.	U18MT019	VASANTH G .	Mechatronics
43.	U18MT020	DOSURI VENKATA NAGA RAMA NIRMAL .	Mechatronics
44.	U18MT021	M LAKHAN PUROHIT .	Mechatronics
45.	U18MT022	JITENDER SUTHAR .	Mechatronics
46.	U18MT023	SHAIK AMEER .	Mechatronics
47.	U18MT024	KOTELLA PRATHAP REDDY .	Mechatronics
48.	U18MT025	SANGAL DHURUV ALOK .	Mechatronics
49.	U18MT026	BALA MURUGAN P	Mechatronics
50.	U18MT028	S AKASH .	Mechatronics
51.	U18MT029	GARAPATI NAGA VEERA VENKATA DURGA PRASAD	Mechatronics
52.	U18MT030	CHILUKURI V D R SURYA CHOWDARY .	Mechatronics
53.	U18MT031	SENGUTTUVAN A .	Mechatronics
54.	U18MT032	ASLAM HAMEED N .	Mechatronics
55.	U18MT033	MOHAMED NAFIL B	Mechatronics
56.	U18MT034	ROHITH JOSEPH S .	Mechatronics
57.	U18MT501	VIGNESH S	Mechatronics
58.	U18MT701	KARTHIKEYAN M	Mechatronics
59.	U18MT702	AJITH S	Mechatronics
60.	U18MT703	JAINUL AHAMEDSHA A	Mechatronics
61.	U18MT704	MOHAMMAD RIYAZ M	Mechatronics



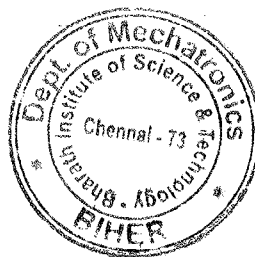


Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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Department of Mechatronics

Value added course on ENERGY RESOURCES AND CONVERSION PROCESSES





Bharath
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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Date: 29.01.2020

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 “ENVIRONMENTAL ECONOMICS “from 03.02.2020 to 07.02.2020. In this regard we kindly request you to grant permission for the same.

Thanking You

HOD/MECH



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

Date:29.01.2020

Department of Mechanical Engineering

Circular

The of Department of Mechanical Engineering, BIHER glad to conduct on five days value added program on “ENVIRONMENTAL ECONOMICS” from 03.02.2020 to 07.02.2020 for 30 hours. Those who are interested to participate do register your name to the program coordinator.

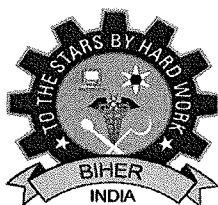
All reregistered students must attend all the classes without fail. The students who are completed the course successfully with good score will get the course completion certificate from the institute/Department.

Resource person: Dr.V.Ravi. Dr.S.Thirumavalavan

Maximum no. of registration Allowed – 60.


Program coordinator

Mr.V.P.DuraiRaj



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

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Department of Mechanical Engineering

Environmental Economics

OBJECTIVE:

This course is designed to cover the most critical topics in environmental economics today. Through this course, students will gain solid understanding of environmental issues and the economic incentive instruments that can be employed to protect, improve and conserve the environment.

MODULE 1

(10Hrs)

. Meaning-Nature-Scope-Significance of environmental economics, Economy and environment interlinkages, Eco-systems, Common property resources, Environment and development trade-off, Sustainable development.

MODULE II

(10 Hrs)

Environmental problems of industrial development: Water pollution, Air pollution, Noise pollution, Thermal pollution, Marine pollution, Nuclear pollution. Global environmental issues: Ozone depletion, Global warming, Climate change, Acid rain, Loss of Biodiversity, Endangered species, Trade of hazardous material.

MODULE III

(5 Hrs)

Technological changes in Agriculture and Environment: Excess use of Water, Fertilizers, Pesticides, Over extraction of groundwater, Concept of Natural Farming. Forest Depletion: Causes, consequences and remedies, Significance of social forestry.

MODULE IV

(5 Hrs)

Role of public and private sector in environmental protection – Rain water harvesting, Solid waste management, etc., Environmental regulation in India: Air and water acts, Fiscal incentives, Enforcement and Implementation issues, Emerging options – eco-taxes and eco-subsidies, Case studies on pollution control in India.



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Department of Mechanical Engineering
One Week Value added Program on Environmental economics

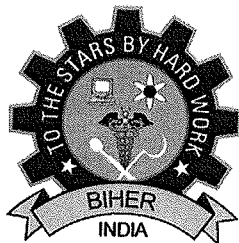
Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 4:30 PM)
3.02.2020	Program Inauguration: Dr.S.THIRUMAVALAVAN Meaning-Nature-Scope-Significance of environmental economics.	Dr.V.RAVI Economy and environment interlinkages, Eco-systems
4.02.2020	Dr.V.RAVI LEARNING - Definition, Theories on Learning- Classical and Operant conditioning.	Dr.S.THIRUMAVALAVAN Common property resources, Environment and development trade-off, Sustainable development.
5.02.2020	Dr.S.THIRUMAVALAVAN Environmental problems of industrial development: Water pollution, Air pollution, Noise pollution, Thermal pollution, Marine pollution, Nuclear pollution	Dr.V.RAVI Global environmental issues: Ozone depletion, Global warming, Climate change, Acid rain, Loss of Biodiversity, Endangered species, Trade of hazardous material.
6.02.2020	Dr.V.RAVI Technological changes in Agriculture and Environment: Excess use of Water, Fertilizers, Pesticides, Over extraction of groundwater. Concept of Natural Farming. Forest Depletion: Causes, consequences and remedies, Significance of social forestry	Dr.S.THIRUMAVALAVAN Role of public and private sector in environmental protection – Rain water harvesting, Solid waste management, etc.,
7.02.2020	Dr.S.THIRUMAVALAVAN Environmental regulation in India: Air and water acts, Fiscal incentives, Enforcement and Implementation issues.	Dr.V.RAVI Emerging options – eco-taxes and eco-subsidies, Case studies on pollution control in India. <i>Quiz/ Feedback / valedictory Session</i>

Program Coordinator:

Mr.Dr.V.P.DURAIRAJ

Assistant Professor,

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



Bharath

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

Attendance sheet

S.No	Reg. No	Students Name	Department
1	U16ME042	MOURYA RAJ D	Mechanical Engineering
2	U16ME046	V. SIVASHANMUGAM V	Mechanical Engineering
3	U16ME050	VIKRAM SINGH	Mechanical Engineering
4	U16ME051	AFTAB ALAM	Mechanical Engineering
5	U16ME053	HARI HARAN S E	Mechanical Engineering
6	U16ME054	VIGNESH KUMAR R	Mechanical Engineering
7	U16ME057	AMIT PRAKASH V	Mechanical Engineering
8	U16ME058	RAHUL GEDELA	Mechanical Engineering
9	U16ME060	PUCHAKAYALA HARI BABU .	Mechanical Engineering
10	U16ME122	KESHAV KUMAR .	Mechanical Engineering
11	U16ME128	SHUBHAM YADAV	Mechanical Engineering
12	U16ME138	VAIDHEESWARAN K	Mechanical Engineering
13	U16ME139	MD ZEESHAN RAZA .	Mechanical Engineering
14	U16ME144	JAGADALA KUMARA SWAMY	Mechanical Engineering
15	U16ME701	KONERU CHAITANYA CHANDRA .	Mechanical Engineering
16	U16ME713	TUPAKULA LAKSHMI NARAYANA .	Mechanical Engineering
17	U16ME715	DAMSANI SRIKANTH	Mechanical Engineering
18	U16ME717	CHINTAKAYALA SANDEEP SANDEEP	Mechanical Engineering
19	U16ME718	TARUN G	Mechanical Engineering
20	U16ME719	NEHLANGKI SUIAM	Mechanical Engineering
21	U16ME002	DINESH KUMAR U	Mechanical Engineering
22	U16ME011	AJITH KUMAR S	Mechanical Engineering
23	U16ME012	MOHANRAJ R	Mechanical Engineering
24	U16ME014	RAVIRAJAN S	Mechanical Engineering
25	U16ME023	ARAVINDAN K	Mechanical Engineering
26	U16ME029	DINESH KUMAR M	Mechanical Engineering
27	U16ME031	ZHAKIRHUSSAIN S	Mechanical Engineering
28	U16ME033	SHERIN T MAMMEN	Mechanical Engineering
29	U16ME035	PARTHAN V	Mechanical Engineering
30	U16ME041	SUVODEEP RAKSHIT	Mechanical Engineering
31	U16ME049	MOHAMED ABDULLAH K	Mechanical Engineering
32	U16ME055	DEEPAK H	Mechanical Engineering
33	U16ME056	YOGESH P	Mechanical Engineering
34	U16ME059	JEFRON G	Mechanical Engineering

35	U16ME120	MADDIKARA SRIKAMTHREDDY	Mechanical Engineering
36	U16ME121	MUKESH K	Mechanical Engineering
37	U16ME129	DEEPAK RAJAN D	Mechanical Engineering
38	U16ME131	VIJAY M	Mechanical Engineering
39	U16ME133	AKASH SAHA	Mechanical Engineering
40	U16ME134	ARANYA JASH	Mechanical Engineering
41	U16ME140	MO WASEEM .	Mechanical Engineering
42	U16ME602	SHAIK MAHAMMED HANEEF	Mechanical Engineering
43	U16ME603	SHAIK RIYAZ	Mechanical Engineering
44	U16ME007	ALBY ANTONY .	Mechanical Engineering
45	U16ME008	RISHEEK SHANKAR M	Mechanical Engineering
46	U16ME009	CHENNABOENA THARUN KUMAR .	Mechanical Engineering
47	U16ME016	YUVARAJ P	Mechanical Engineering
48	U16ME024	ANCHULLA VENUGOPAL	Mechanical Engineering
49	U16ME025	SHANKAR YADAV	Mechanical Engineering
50	U16ME026	VISHVAK R	Mechanical Engineering
51	U16AM019	ANTHAM JEEVA REDDY	Automobile Engineering
52	U16AM020	MERUGU SHIVA SAGAR	Automobile Engineering
53	U16MT501	MUGILAN M	Mechatronics Engineering
54	U16MT502	VIGNESHWAR C B	Mechatronics Engineering
55	U16MT503	KARUPHIN KAWIN J	Mechatronics Engineering

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH

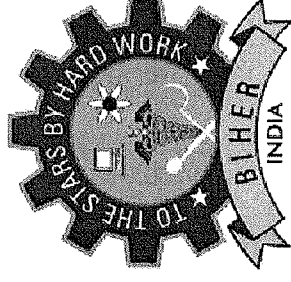
This is to certify presented to :

DEEPAK RAJAN.D

Has participated in the Value Added Course titled "Environmental
Economics" conducted by the School of Mechanical Engineering
during the month of Feb 2020



VAC CO-ORDINATOR



HOD MECHANICAL



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 : Medical

Date : 7/02/20

Event / Speaker Name : Environmental 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					

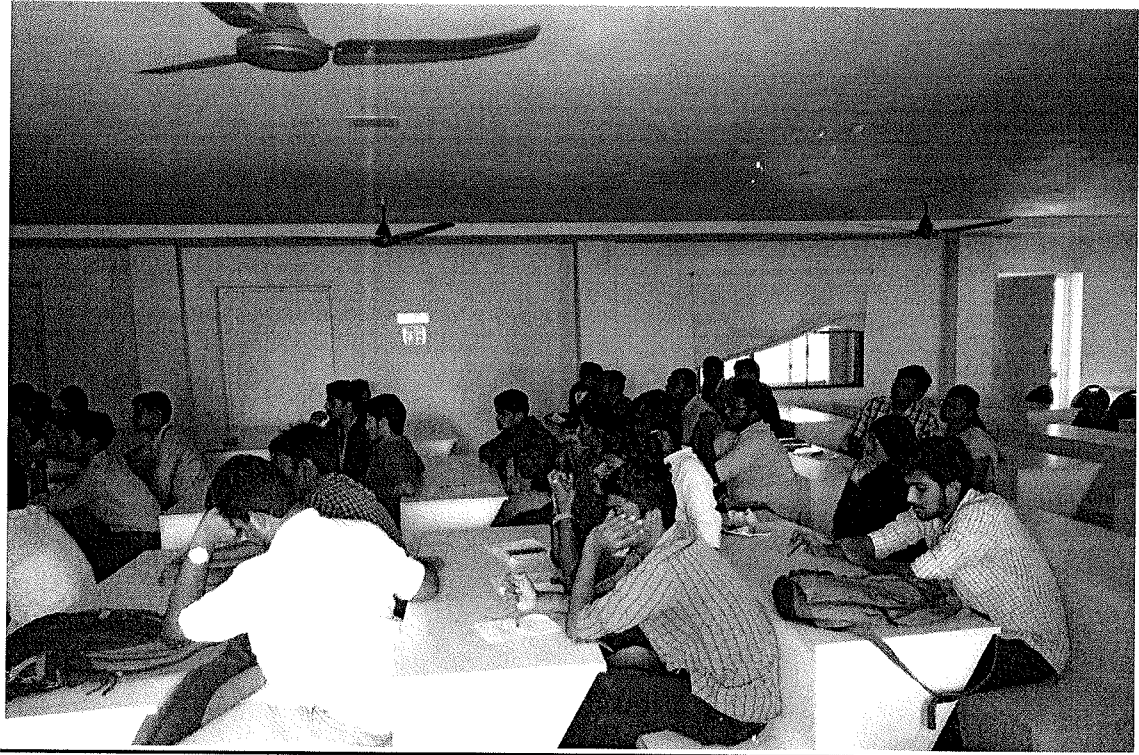
- Overall, how would you rate this Guest Lecture / Workshop / Seminar / Event/Value added course?

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

- Comments (If any):

Interesting how save money
Very Interesting, knowledgeable

PHOTO





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INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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Requisition Letter

Date: 02 .01.2020

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 “FURNITURE DESIGN AND FURNISHING” from 06/01/2020 to 10/01/2020. In this regard we kindly request you to grant permission for the same.

Thanking You


HOD/MECH



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Date:02.01.2020

Department of Mechanical Engineering

Circular

The of Department of Mechanical Engineering, BIHER is glad to conduct five days value added program entitled “ FURNITURE DESIGN AND FURNISHING”from 06.01.2020 to 10.01.2020 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. Lenin Rakesh and Dr.V.Ravi

Maximum no. of registration Allowed – 60.

Program coordinator

Mr.R J Golden Renjith Nimal



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Department of Mechanical Engineering

FURNITURE DESIGN AND FURNISHINGS

OBJECTIVE:

To enable the students:

- To acquire knowledge about the various materials used in furniture
- To know the multiple use of furniture keeping the constraints of available space.
- To appreciate the contribution of furnishings in satisfying family living.
- To learn principles that will help one to judge the design of furnishing relative to their function and beauty.

MODULE 1

(10Hrs)

History of Furniture Style

Traditional, Contemporary & Modern Indian Furniture

MODULE II

(5 Hrs)

Basic Materials Used for Furniture Types of wood, processed wood (block boards, laminates, veneers, particle board), metals, cane & other wicker materials, plastics, fibre glass. Finishes Used on Furniture Varnish, polish, lacquer, melamine, paints, staining.

MODULE III

(10 Hrs)

Study of Basic Furniture Dimensions Based on Anthropometric Measurements. Flexible Furniture (Need & Design)

MODULE IV

(5 Hrs)

Furniture Care & Maintenance. Types of Furnishings • Curtains, draperies, upholstery, and bedspreads cushion covers, loose covers, blinds, carpets and rugs Leather, rexine&fibreglass as furnishing material.

MODULE V

Selection of Material for Furnishing Colour, pattern, texture, style, cost, durability, maintenance etc. Care and Maintenance of Furnishing Materials.

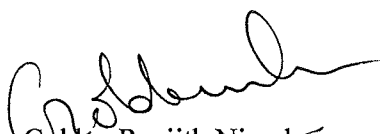


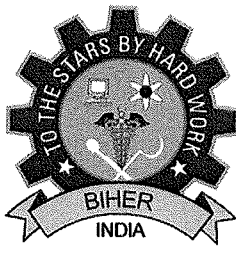
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Department of Mechanical Engineering
One Week Value added Program on FURNITURE DESIGN AND
FURNISHINGS.

Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 3:30 PM)
06.01.2020	Program Inauguration : Mr. Lenin Rakesh History of Furniture Style.	Dr. V.Ravi Traditional, Contemporary & Modern Indian Furniture
07.01.2020	Dr. V.Ravi Basic Materials Used for Furniture Types of wood, processed wood (block boards, laminates, veneers, particle board), metals, cane & other wicker materials, plastics, fibre glass.	Mr.Lenin Rakesh Finishes Used on Furniture Varnish, polish, lacquer, melamine, paints, staining
08.01.2020	Mr.Lenin Rakesh Study of Basic Furniture Dimensions Based on Anthropometric Measurements.	Dr. V.Ravi Flexible Furniture (Need & Design)
09.01.2020	Dr. V.Ravi Furniture Care & Maintenance. Types of Furnishings	Mr.Lenin Rakesh Curtains, draperies, upholstery, and bedspreads cushion covers, loose covers, blinds, carpets and rugs Leather, rexine&fibreglass as furnishing material.
10.01.2020	Dr. V.Ravi Selection of Material for Furnishing Colour, pattern, texture, style, cost, durability, maintenance etc.	Mr.Lenin Rakesh Care and Maintenance of Furnishing Materials. <i>Quiz/ Feedback / valedictory Session</i>

Program Co-ordinator:


Golden Renjith Nimal



Bharath

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

Attendance sheet

S.No	Reg. No	Students Name	Department
1	U16ME031	ZHAKIRHUSSAIN S	Mechanical Engineering
2	U16ME033	SHERIN T MAMMEN	Mechanical Engineering
3	U16ME035	PARTHAN V	Mechanical Engineering
4	U16ME041	SUVODEEP RAKSHIT	Mechanical Engineering
5	U16ME049	MOHAMED ABDULLAH K	Mechanical Engineering
6	U16ME055	DEEPAK H	Mechanical Engineering
7	U16ME572	RANJITH VIGNESHWAR A	Mechanical Engineering
8	U16ME602	SHAIK MAHAMMED HANEEF	Mechanical Engineering
9	U16ME603	SHAIK RIYAZ	Mechanical Engineering
10	U16ME702	KARTHIKEYAN H	Mechanical Engineering
11	U16ME721	SRINIVASAN R	Mechanical Engineering
12	U16ME722	ZUBAIR .	Mechanical Engineering
13	U16ME723	PONNAPALLI SREEDHAR	Mechanical Engineering
14	U16ME724	ABDUL SHAKOOR SHAKOOR	Mechanical Engineering
15	U16ME026	VISHVAK R	Mechanical Engineering
16	U16ME042	MOURYA RAJ D	Mechanical Engineering
17	U16ME065	KOTAPURI MASTAN BABU .	Mechanical Engineering
18	U16ME095	MANOHAR REDDY N	Mechanical Engineering
19	U16ME099	MAMIDI PAVANSAI	Mechanical Engineering
20	U16ME122	KESHAV KUMAR .	Mechanical Engineering
21	U16ME128	SHUBHAM YADAV	Mechanical Engineering
22	U16ME138	VAIDHEESWARAN K	Mechanical Engineering
23	U16ME139	MD ZEESHAN RAZA .	Mechanical Engineering
24	U16ME144	JAGADALA KUMARA SWAMY	Mechanical Engineering
25	U16ME523	ABISHECK R C	Mechanical Engineering
26	U16ME524	ABISHEK ANTONY A	Mechanical Engineering
27	U16ME701	KONERU CHAITANYA CHANDRA .	Mechanical Engineering
28	U16ME713	TUPAKULA LAKSHMI NARAYANA .	Mechanical Engineering
29	U16ME715	DAMSANI SRIKANTH	Mechanical Engineering
30	U16ME003	BHARATH S	Mechanical Engineering
31	U16ME004	GIRIDHARAN S	Mechanical Engineering
32	U16ME034	SHEIK SYBUDEEN M	Mechanical Engineering
33	U16ME047	GOWTHAM S	Mechanical Engineering

35	U16ME047	GOWTHAM S	Mechanical Engineering
36	U16ME048	HEMANTH RAJ R	Mechanical Engineering
37	U16ME052	SHRIKHANTH R	Mechanical Engineering
38	U16ME071	SANTHOSH R	Mechanical Engineering
39	U16ME136	MOHAMMED THAUFEeq K	Mechanical Engineering
40	U16ME137	DINESHKUMAR S	Mechanical Engineering
41	U16ME141	DEJOEL HAROLD RAYMOND F	Mechanical Engineering
42	U16ME526	DANTLA GOWTHAM REDDY	Mechanical Engineering
43	U16ME527	ANANDHRAJ J	Mechanical Engineering
44	U16ME507	BHARGAV NELAKUDITI	Mechanical Engineering
45	U16ME571	YOGESH N	Mechanical Engineering
46	U16ME601	MOGHAL SAJEED BAIG	Mechanical Engineering
47	U16ME708	SURESH S	Mechanical Engineering
48	U16MT007	SATHIYASEELAN S	Mechatronics Engineering
49	U16MT008	RAKESH P	Mechatronics Engineering
50	U16MT009	ABDUL FAHEEM S	Mechatronics Engineering
51	U16MT010	SAKTHI R	Mechatronics Engineering
52	U16MT011	MELVINE ROHAN R	Mechatronics Engineering
53	U16AM007	SUNDARESWARAN B	Automobile Engineering
54	U16AM008	PALAPANDALA PRUDHVI	Automobile Engineering
55	U16AM009	THAMIM ANSARI K	Automobile Engineering
56	U16AM010	JAI KUMAR VERMA	Automobile Engineering

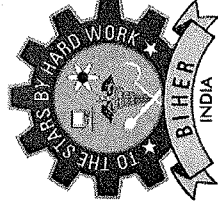
Bharath Institute of Higher Education and Reseaarch

CERTIFICATE OF PARTICIPATION

This is certify that

ANANDH RAY . J

has participated in the Value Added Course titled "Furniture Design and Furnishings" conducted by the School of Mechanical Engineering during the month of Januuary 2020.




VAC CO-ORDINATOR


HOD MECHANICAL



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 : 10/1/2020

Event / Speaker Name : Furniture Design and Farnishing

- 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					✓

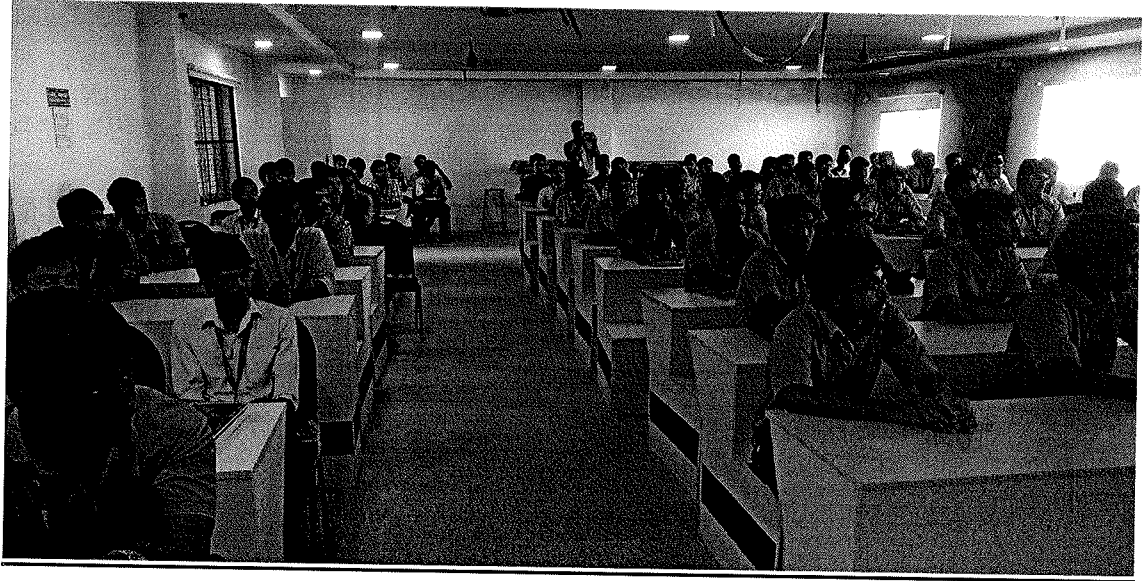
- Overall, how would you rate this Guest Lecture / Workshop / Seminar / Event/Value added course?

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

- Comments (If any):

I learnt many useful
furniture design which can be used
in my future career.

PHOTO





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

Requisition Letter

Date: 17.10.2019

From

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

To

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

Respected Sir,

Sub: Requisition for conducting Value added course – reg.

School of Mechanical Sciences has planned to conduct Value added course entitled “Industrial Safety Engineering” from 30.10.2019 to 5.11.2019 In this regard we kindly request you to grant permission for the same.

Thanking You

HOD/MECH



Date: 21.10.2019

Department of Mechanical Engineering

Circular

The of Department of Mechanical Engineering, BIHER glad to conduct on five days value added program on “Industrial Safety Engineering” from 30.10.2019 to 5.11.2019 for 30 hours. Those who are interested to participate do register your name to the program coordinator.

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

Resource person: Dr.R.Hariharan, Dr.S.Thirumavalavan , Mr.S.Nakkeeran

Maximum no. of registration Allowed – 60.


Program coordinator

Mr.V.P.Durairaj

R J Golden Renjith Nimal



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

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

Department of Mechanical Engineering

Skill Development on Industrial Safety Engineering

Objective

To provide exposure to the students about safety and health provisions related to hazardous processes as laid out in Factories act 1948.

To familiarize students with powers of inspectorate of factories

To help students to learn about Environment act 1986 and rules framed under the act

Module 1

(6Hours)

Inspecting staff, health, safety, provisions relating to hazardous processes, welfare, working hours, employment of young persons – special provisions – penalties and procedures-Tamilnadu Factories Rules 1950 under Safety and health chapters of Factories Act 1948

Module 2

(6 Hours)

General powers of the central government, prevention, control and abatement of environmental pollution-Biomedical waste (Management and handling Rules, 1989-The noise pollution (Regulation and control) Rules, 2000-The Batteries (Management and Handling Rules) 2001- No Objection certificate from statutory authorities like pollution control board. Air Act 1981 and Water Act 1974: Central and state boards for the prevention and control of air pollution-powers and functions of boards – prevention and control of air pollution and water pollution – fund – accounts and audit, penalties and procedures.

Module 3

(6 Hours)

Definitions – duties of authorities – responsibilities of occupier – notification of major accidents – information to be furnished – preparation of offsite and onsite plans – list of hazardous and toxic chemicals – safety reports – safety data sheets

Module 4

(6Hours)

static and mobile pressure vessel rules (SMPV), motor vehicle rules, mines act 1952, workman compensation act, rules – electricity act and rules – hazardous wastes (management and handling) rules, 1989, with amendments in 2000- the building and other construction workers act 1996., Petroleum rules, Gas cylinder rules-Explosives Act 1983-Pesticides Act

Module5

(6Hours)

Occupational Safety and Health act of USA (The Williames - Steiger Act of 1970) – Health and safety work act (HASAWA 1974, UK) – OSHAS 18000 – ISO 14000 – American National Standards Institute (ANSI)



Department of Mechanical Engineering
One Week Value added Program on "Industrial safety Engineering"
From 30 -10-2019 to 5-11-2019

Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 4:30 PM)
(Wednesday) 30-10-2019	Program Inauguration ; Dr.S.Thirumavalavan Inspecting staff, health, safety, provisions relating to hazardous processes, welfare, working hours, employment of young persons	Mr.S.Nakkeeran General powers of the central government, prevention, control and abatement of environmental pollution- Biomedical waste
31-10- 2019 (Thursday)	Mr.S.Nakkeeran No Objection certificate from statutory authorities like pollution control board. Air Act 1981 and Water Act 1974: Central and state boards for the prevention and control of air pollution-powers and functions of boards	Dr.S.Thirumavalavan prevention and control of air pollution and water pollution – fund – accounts and audit, penalties and procedures
1- 11-2019 (Friday)	Dr.R.Ravi Definitions – duties of authorities – responsibilities of occupier – notification of major accidents – information to be furnished	Dr.R.Hariharan Preparation of offsite and onsite plans – List of hazardous and toxic chemicals – Safety reports – safety data sheets
4-11- 2019 (Monday)	Mr.S.Nakkeeran static and mobile pressure vessel rules (SMPV), motor vehicle rules, mines act 1952, workman compensation act, rules – electricity act and rules – hazardous wastes	Dr.S.Thirumavalavan Building and other construction workers act 1996., Petroleum rules, Gas cylinder rules- Explosives Act 1983-Pesticides Act
5- 11 - 2019 (Tuesday)	Mr.S.Nakkeeran Occupational Safety and Health act of USA (The Williams - Steiger Act of 1970) – Health and safety work act	Dr.R.Hariharan OSHAS 18000 – ISO 14000 – American National Standards Institute (ANSI).

Program Coordinator:

Mr.V.P.Durairaj , R J Golden Renjith Nimal

Assistant Professor,

E-Mail: vpdurairaj57@gmail.com

goldenrenjith.mech@bharathuniv.ac.in



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Attendance sheet

S.No	Name	Register No.	Department
1	DARAM PRITHVI RAJ	U17ME021	Mechanical Engineering
2	JEYABHARATHI	U17ME022	Mechanical Engineering
3	YETTELLA BHUVANESWARA REDDY	U17ME023	Mechanical Engineering
4	CHITTIREDDY	U17ME024	Mechanical Engineering
5	VEDURUPARTHY KANAKA VENKATA SURESH	U17ME025	Mechanical Engineering
6	LOKIREDDY VENKATA SHIVA KUMAR	U17ME026	Mechanical Engineering
7	KATTA GOPI KRISHNA	U17ME027	Mechanical Engineering
8	HARISH	U17ME028	Mechanical Engineering
9	SUDDAPALLI JASWANTH SAI KUMAR	U17ME029	Mechanical Engineering
10	BURRAREDDYPALLE	U17ME030	Mechanical Engineering
11	DASARI	U17ME031	Mechanical Engineering
12	VEMULA CHANDU PRASAD	U17ME032	Mechanical Engineering
13	PONKAM VARUN KUMAR	U17ME033	Mechanical Engineering
14	ANNA PRUDHVI GOUTAM	U17ME034	Mechanical Engineering
15	SHARAN A P	U17MT020	Mechatronics Engineering
16	RATALA VENKATA MADHAV .	U17MT021	Mechatronics Engineering
17	GULAM GHOUSE B	U17MT022	Mechatronics Engineering
18	NALAJAM MOHAN SAI	U17ME038	Mechanical Engineering
19	ENUKONDA NIVAS RAJU	U17ME039	Mechanical Engineering
20	YADHAVA SURYA	U17ME040	Mechanical Engineering
21	RAVI KUMAR REDDY	U17ME041	Mechanical Engineering
22	MALLIKARJUN	U17ME042	Mechanical Engineering
23	RUDRAPATI	U17ME043	Mechanical Engineering
24	HARIHARAN	U17AM048	Automobile Engineering
25	NITHIN UNNI	U17AM049	Automobile Engineering
26	KISHORE C	U17AM050	Automobile Engineering
27	CHITTURI LOKESH KUMAR	U17ME047	Mechanical Engineering
28	JILLAKARA DURGA LAXMANRAO	U17ME048	Mechanical Engineering
29	KUNCHE	U17ME049	Mechanical Engineering
30	MOLUGURI VIJAY KUMAR	U17ME050	Mechanical Engineering
31	GOKUL	U17ME051	Mechanical Engineering
32	KAVIYARASU	U17ME052	Mechanical Engineering
33	BASHRUDIN MIYA MANSURI	U17ME053	Mechanical Engineering
34	DHANUSH	U17ME054	Mechanical Engineering
35	PANDURANGAN	U17ME055	Mechanical Engineering

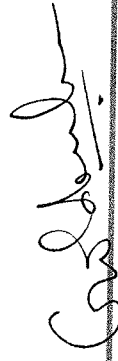
Bharath Institute of Higher Education and Reseaarch

CERTIFICATE OF PARTICIPATION

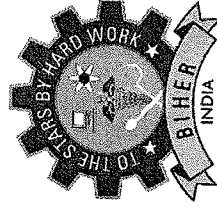
This certificate goes to

KISHORE.C

for successfully completing the Value Added Course
on "Industrial Safety Engineering" conducted by the
School of Mechanical Engineering during the month
of Octobermber 2019.



VAC CO-ORDINATOR





HOD MECHANICAL



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 :6.11.2019.....

Event / Speaker Name :Value added Program on "Industrial Safety Engg"
Dr. S. Tirumalalan, Mr. S. Nakkerran, Dr. R. Harisharan

- 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 Informative
This type of Program Continuous
Needed - I Planned become Industry
Safety Engg.

PHOTO





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Date: 02.01.2020

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 “MANAGING SPORTS ORGANIZATION” from 06.01.2020 to 10.01.2020. In this regard we kindly request you to grant permission for the same.

Thanking You



HOD/MECH



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INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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Date:02.01.2020

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 06.01.2020 to 10.01.2020 for 30 hours. Those who are interested to participate do register your name to the program coordinator.

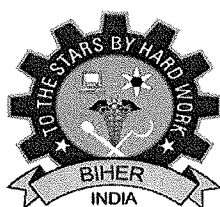
All reregistered students must attend all the classes without fail. The students who are completed the course successfully with good score will get the course completion certificate from the institute/Department.

Resource person: Mr.Lenin, Mr.Manavalavan

Maximum no. of registration Allowed – 60.

Program coordinator

Mr.VP.Durairaj



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INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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Department of Mechanical Engineering

Managing sports organization

OBJECTIVE:

The main objective of the Course in Strategic Management of Sport Organizations is to understand the principles of strategic management applied to the sports sector. The student will be able to initiate work in analyzing the strategic, global and objective vision of the sport sector from the business point of view.

To know how to analyze the structure of an industry and the trends in its environment to determine their potential.

To understand and apply the elements of the strategic planning process.

To learn how companies can develop sustainable competitive advantages.

To understand the creation of competitive advantages through business models.

MODULE 1

(10Hrs)

. SPORTS ORGANIZATION- Definition of Sports Organization, Organization Goals, Importance of understanding Organization Goals & effectiveness.

MODULE II

(5 Hrs)

SPORTS ORGANIZATION'S OPERATING ENVIRONMENT Meaning, Nature of Organizational Environment, Macro Environment & Micro Environment, Relationship between an Organization's Structure and its Environment

MODULE III

(10 Hrs)

SPORTS ORGANIZATION CULTURE- Meaning of Organization Culture, Strong VS. Weak organizational culture, Learning Organizational Culture, THICK & THIN Organizational Culture, Managing a Sports Organizational Culture.

SPORTS ORGANIZATION STRATEGY- Meaning, Deliberate & Emergent Strategies, Strategy Formulation & Implementation, SWOT analysis.

MODULE IV

(5 Hrs)

DEALING WITH ORGANIZATIONAL CHANGE-Meaning of Organizational change, Planned Change, Resistance to change – Overcoming Resistance to change & implementation, Managing Resistance to change, Lewin's and Kotter's Model. Managing STRESS in work Place.

MODULE-V

ASSIGNMENTS ON SPORTS ORGANIZATION- CAB, IFA, Bengal Lawn Tennis Association, SAI etc



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Department of Mechanical Engineering
One Week Value added Program on *Managing Sports Organisation*

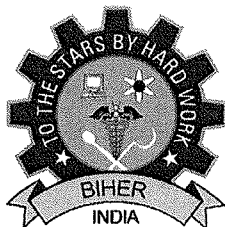
Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 4:30 PM)
06.01.2020	Program Inauguration : Mr.Manavalan SPORTS ORGANIZATION- Definition of Sports Organization, Macro Environment & Micro Environment.	Mr.Lenin , Organization Goals, Importance of understanding Organization Goals & effectiveness.
7.01.2020	Mr.Lenin SPORTS ORGANIZATION'S OPERATING ENVIRONMENT Meaning, Nature of Organizational Environment.	Mr.Manavalan Macro Environment & Micro Environment, Relationship between an Organization's Structure and it's Environment.
8.01.2020	Mr.Manavalan SPORTS ORGANIZATION CULTURE- Meaning of Organization Culture, Strong VS. Weak organizational culture,	Mr.Lenin Learning Organizational Culture, THICK & THIN Organizational Culture, Managing a Sports Organizational Culture.
9.01.2020	Mr.Lenin DEALING WITH ORGANIZATIONAL CHANGE-Meaning of Organizational change, Planned Change, Resistance to change	Mr.Manavalan Overcoming Resistance to change & implementation, Managing Resistance to change, Lewin's and Kotter's Model. Managing STRESS in work Place.
10.01.2020	Mr.Manavalan SPORTS ORGANIZATION STRATEGY- Meaning, Deliberate & Emergent Strategies, Strategy Formulation & Implementation, SWOT analysis.	Mr.Lenin ASSIGNMENTS ON SPORTS ORGANIZATION- CAB, IFA, Bengal Lawn Tennis Association, SAI etc <i>Quiz/ Feedback / valedictory Session</i>

Program Coordinator:

Mr.VP.Durairaj

Assistant Professor,

E-Mail: vpdurairaj57@gmail.com



Bharath

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

Attendance sheet

S.No	Reg. No	Students Name	Department
1	U16ME001	PRAVIN K	Mechanical Engineering
2	U16ME003	BHARATH S	Mechanical Engineering
3	U16ME004	GIRIDHARAN S	Mechanical Engineering
4	U16ME005	PRABAKARAN S	Mechanical Engineering
5	U16ME010	PAVITHRAN P	Mechanical Engineering
6	U16ME013	ABUBAKKAR M	Mechanical Engineering
7	U16ME015	HARIHARAN N	Mechanical Engineering
8	U16ME017	KARTHICK M	Mechanical Engineering
9	U16ME019	SIDDARTH A	Mechanical Engineering
10	U16ME020	NISONAN N	Mechanical Engineering
11	U16ME021	RAJITH R C	Mechanical Engineering
12	U16ME022	SURIYA RAJ R	Mechanical Engineering
13	U16ME027	R.UDHAYA KUMAR R	Mechanical Engineering
14	U16ME028	BANALA RAVI ANISH	Mechanical Engineering
15	U16ME032	MALARAVAN A	Mechanical Engineering
16	U16ME034	SHEIK SYBUDEEN M	Mechanical Engineering
17	U16ME037	THAMIN ANSARI M	Mechanical Engineering
18	U16ME038	VIGNESH G	Mechanical Engineering
19	U16ME039	PRADHIP B R	Mechanical Engineering
20	U16ME040	RAGUL KUMAR S	Mechanical Engineering
21	U16ME043	AAKASH KAVIN T	Mechanical Engineering
22	U16ME044	DINESH C	Mechanical Engineering
23	U16ME045	MUSTAQA AHMED M	Mechanical Engineering
24	U16ME047	GOWTHAM S	Mechanical Engineering
25	U16ME048	HEMANTH RAJ R	Mechanical Engineering
26	U16ME052	SHRIKHANTH R	Mechanical Engineering
27	U16ME071	SANTHOSH R	Mechanical Engineering
28	U16ME079	MOHAMMED SHAJI B	Mechanical Engineering
29	U16ME081	MUKANTHAN T	Mechanical Engineering
30	U16ME084	SAMPADARAO ASHOK	Mechanical Engineering
31	U16ME088	GODWIN PRABHU G	Mechanical Engineering
32	U16ME108	YERRAMSETTI MAHESH BABU .	Mechanical Engineering
33	U16ME114	REDDYVARI TEJESH	Mechanical Engineering
34	U16ME123	ABHIJITH A R	Mechanical Engineering
35	U16ME124	BEENAGONI ANILKUMAR	Mechanical Engineering
36	U16ME125	SUJITH H	Mechanical Engineering
37	U16ME126	JAKKAMSETTI BHANU CHAITANYA .	Mechanical Engineering

38	U16ME130	VENKATASRINIVAS M	Mechanical Engineering
39	U16ME132	ASHWIN S	Mechanical Engineering
40	U16ME135	KRISHNAKANTH S	Mechanical Engineering
41	U16ME136	MOHAMMED THAUFEEQ K	Mechanical Engineering
42	U16ME137	DINESHKUMAR S	Mechanical Engineering
43	U16ME141	DEJOEL HAROLD RAYMOND F	Mechanical Engineering
44	U16ME142	JARUPULA REVANTH KUMAR	Mechanical Engineering
45	U16AM021	ANJERI BALU	Automobile Engineering
46	U16AM022	JONATHAN LEVI WILLIAMS S	Automobile Engineering
47	U16AM023	MOHAMED FARIZ	Automobile Engineering
48	U16AM701	B.YASWANTH SAI	Automobile Engineering
49	U16AM702	MOHAMED AZHARUDEEN	Automobile Engineering
50	U16AM703	LAGHUVARAPU SAI SATHISH	Automobile Engineering
51	U16AM704	GUNTAMUKKALA THILAK	Automobile Engineering
52	U16MT701	CHANDRASEKAR D G	Mechatronics Engineering
53	U16MT702	CHIRANJEEVI A	Mechatronics Engineering
54	U16MT703	VIGNESH.A	Mechatronics Engineering
55	U16MT704	AJITH.H	Mechatronics Engineering
56	U16MT001	PRADEEPAN S	Mechatronics Engineering
57	U16MT002	RAAHUL GANESH R	Mechatronics Engineering

Bharath Institute of Higher Education and Reseaarch

CERTIFICATE OF PARTICIPATION

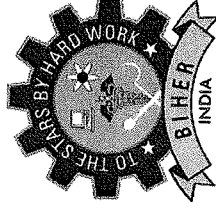
This certificate goes to

ASHWIN.S

for successfully completing the Value Added Course
on "Managing Sports Organization" conducted by
the School of Mechanical Engineering during the
month of Jan 2020.



VAC CO-ORDINATOR





HOD MECHANICAL



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 : 12.01.2020

Event / Speaker Name : Maragath Sports Organization

- 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					✓

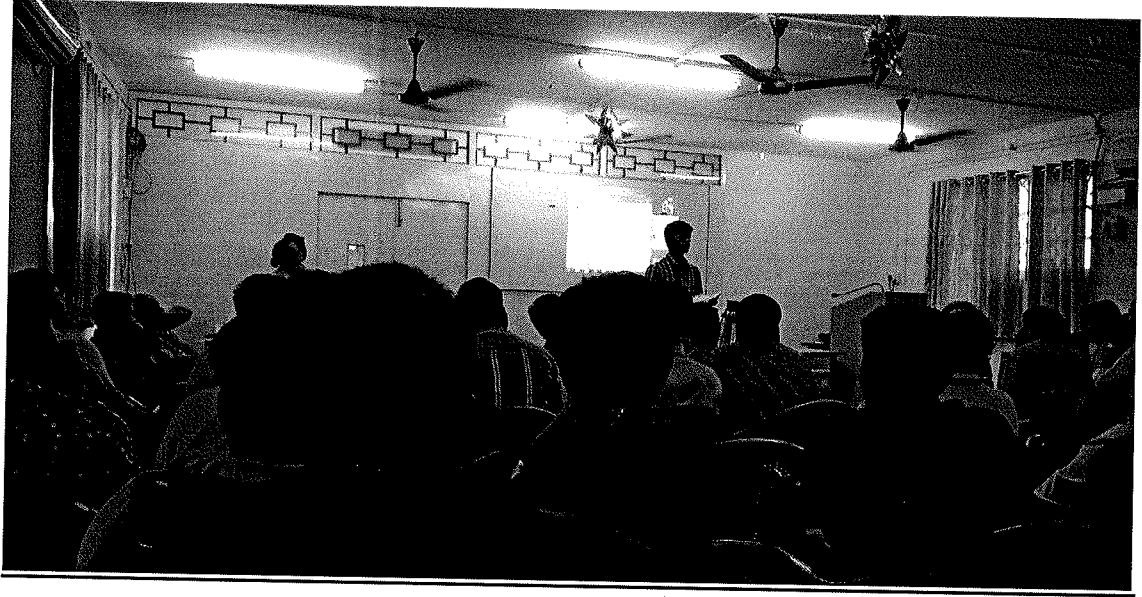
- Overall, how would you rate this Guest Lecture / Workshop / Seminar / Event/Value added course?

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

- Comments (If any):

Very good, Now I am
fit due to sports

PHOTO





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Requisition Letter

Date: 20.01.2020

From

The Head of the Department,
Department of Automobile Engineering,
Bharath Institute of Higher Education and Research,
Selaiyur, Chennai - 73

To

The Dean Engineering,
Bharath Institute of Higher Education and Research,
Selaiyur, Chennai - 73

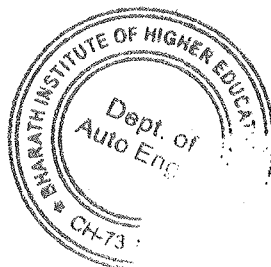
Respected Sir,

Sub: Requisition for conducting Value added course – reg.

School of Mechanical Engineering has planned to conduct Value added course on
“Operation & Programming of CNC Machines” on 17/02/2020. In this regard we kindly
request you to grant permission for the same.

Thanking You

HOD/AUTO



Dean Engineering



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

Department of Automobile Engineering

Date: 05.02.2020

Circular

The of Department of Automobile Engineering, BIHER glad to conduct on five days value added program on “*Operation and Programming of CNC Machines*” from 17.02.2020 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.S. Thirumavalavan and Mr. C. Thamotharan

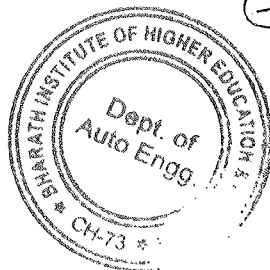
Maximum no. of registration allowed – 60.

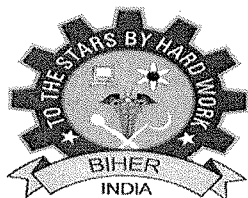
***First come first serve basis.**

Program coordinator

Mr. E. Raja

Mr. S. Manavalan





Bharath

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

Department of Automobile Engineering

**Five days Value added Program on “Operation and Programming on CNC Machines” from
17th Feb to 21st Feb 2020**

Date	Morning Session (9 AM to 12 PM)	Afternoon Session (1.30 PM to 3.30 PM)
17.02.2020 (Monday)	Dr. S. Thirumavalavan Precision Instruments reading and handling, Holding of round job in an independent chuck and truing it. Holding the tool in a tool post, centering the job with the tool. Facing & drilling. Parallel turning between centers, parting off, chamfering using roughing, finishing and parting off tools.	Mr. C. Thamotharan Holding the job in three jaw chuck truing, centering facing. Step turning undercutting, knurling drilling and boring. Taper turning by swiveling compound rest, setting the compound rest to correct degree, checking the tool height, clamping the saddle for no longitudinal movement, checking up with precision instruments.
18.02.2020 (Tuesday)	Dr. S. Thirumavalavan Introduction to milling machine, demonstration on working principle, setting of job, setting of cutter in arbor, setting of vice on table. Safety points to be observed while working on a milling machine. Sequence of milling six faces of a solid block. Checking the accuracy with the help of trisquare scribing block and vernier height gauge. Step milling using side and face cutter checking with micrometer.	Mr. C. Thamotharan Straddle operations including up-milling and down milling. Introduction to indexing head types, setting and aligning of indexing head with reference to job on milling machine. Milling square / hexagonal job by simple indexing method.
19.02.2020 (Wednesday)	Dr. S. Thirumavalavan Demo of parts of CNC machine - control switches, console buttons and machines specifications Demonstration of CNC lathe parts - bed, spindle motor and drive, chuck, tailstock, tool changer, axes motor and balls crews, guide ways, LM guides, console, electrical, coolant system, hydraulic system, chip conveyor. Working of parts explained using multimedia CNC teach ware. Parts shown on machine.	Mr. C. Thamotharan CNC part programming with simple exercises and various programming codes. Practice on CNC machine simulator.
20.02.2020 (Thursday)	Dr. S. Thirumavalavan CNC turning center operation in various modes: jog, single block, auto, MDI, edit, etc. Program entry.	Mr. C. Thamotharan Machining parts on CNC lathe with parallel, taper, step, radius turning, grooving and threading of different pitches.

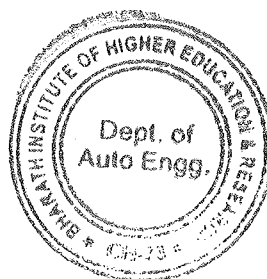
	Setting of tool offsets, entry of tool nose radius and orientation.	First 60 % of the practice is on CNC machine simulator, followed by 40 % on machine.
21.02.2020 (Friday)	Dr. S. Thirumavalavan Demo of parts of CNC machining center - control switches, console buttons and machines specifications (spindle power, axes traverse, etc.). Demonstration of machine parts - bed, spindle motor and drive, tool changer, axes motors and ball screws, guideways, LM guides, console, electrical, coolant system, hydraulic system, chip conveyor. Working of parts explained using multimedia CNC teach ware. Parts shown on machine	Mr. C. Thamotharan CNC part programming with simple exercises and various programming codes. Practice on CNC machine simulator. CNC machining center operation in various modes: jog, single block, auto, MDI, edit, etc. Program entry. Setting of tool offsets, entry of tool radius. Practice on CNC machine simulator.

Program Coordinator:

Mr.S. Manavalan

Mr.E. Raja

E-Mail: raja.auto@bharathuniv.ac.in



BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY
SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF AUTOMOBILE ENGINEERING
CONDUCTING VALUE ADDED COURSE ON

OPERATION AND PROGRAMMING OF
CNC MACHINES

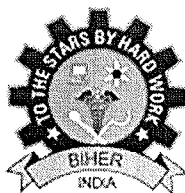
Date

17.02.2020

Resource Person

Dr. S. Thirumavalavan
&
Mr. C. Thamotharan

Program Coordinator
Mr. E. Raja, AP / Automobile
Mr. S. Manavalan, AP / Automobile



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 : 17/2/2020

Event / Speaker Name : Dr. S. Thirumavalavan.

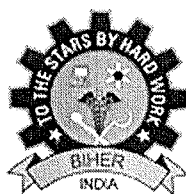
- Please rate the session on the scale indicated. Your comments are most appreciated.

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):



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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 : *Automobile*

Date : *17.02.2020*

Event / Speaker Name : *Dr. S. Thirumavalavan*

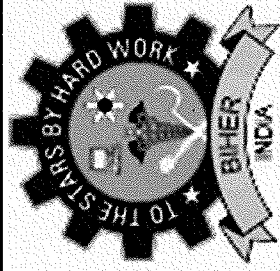
- Please rate the session on the scale indicated. Your comments are most appreciated.

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):



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This is to certify that Mr/Ms **VEMULA VIGNAN KUMAR.....** has

attended the **Certificate course on Operation and Programming of CNC**

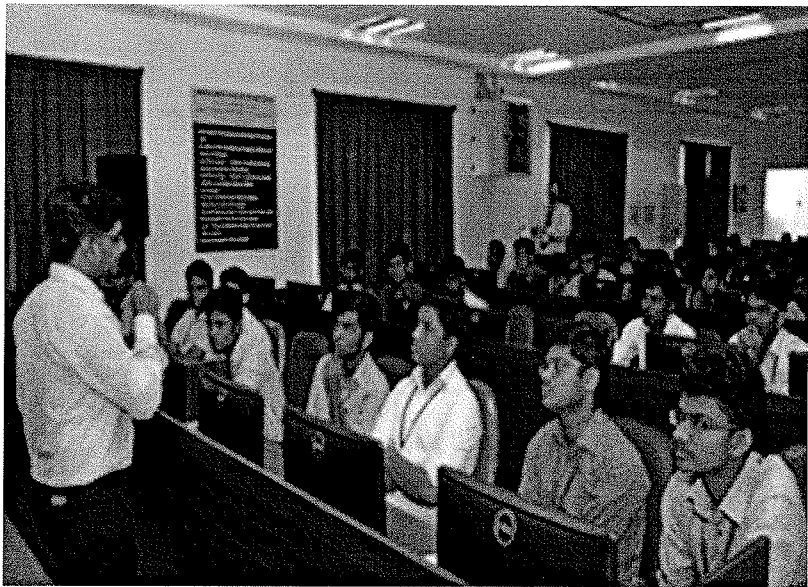
Machines programme organized by Department of Automobile

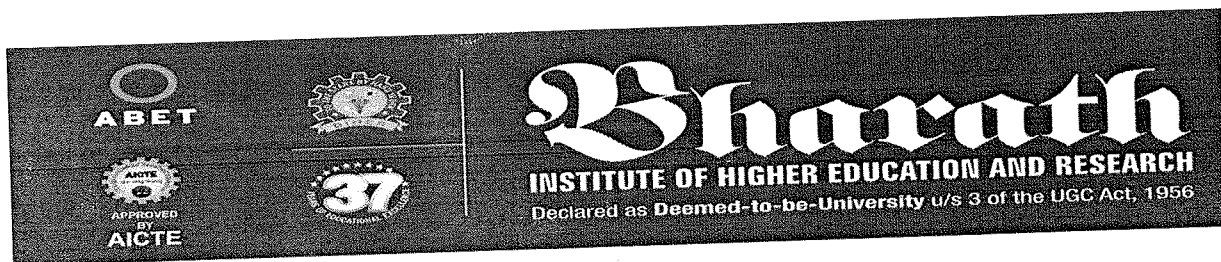
Engineering, Bharath Institute of Higher Education and Research, Chennai

on **17-02-20.**

Co-Ordinator

Head of the Department





DEPARTMENT OF AUTOMOBILE ENGINEERING

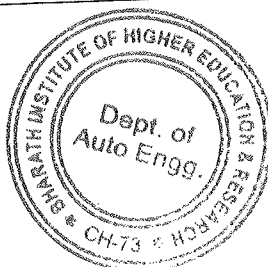
STUDENTS NAME LIST

COURSE: Operations Programme of CNC Machine

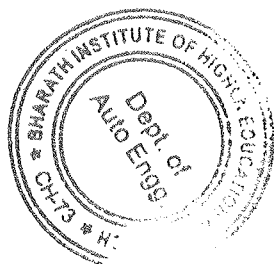
DATE: 17.02.2020

ACADEMIC YEAR: 2019-2020

S.No	REG.NO	STUDENT NAME	DEPARTMENT	SIGNATURE
1	U16AM015	Parimi Sai Surya Vamsi	AUTOMOBILE	<i>Parimi Sai</i>
2	U16AM017	Amal Philip George	AUTOMOBILE	<i>Amal Philip George</i>
3	U16AM018	Roshan Romario Francis	AUTOMOBILE	<i>R. Roshan</i>
4	U16AM019	Antham Jeeva Reddy	AUTOMOBILE	<i>Antham Jeeva</i>
5	U16AM020	Merugu Shiva Sagar	AUTOMOBILE	<i>Merugu Shiva</i>
6	U17AM044	INUKONDA CHARAN SRI	AUTOMOBILE	<i>Charan Sri</i>
7	U17AM045	KAVINADHITHYA K B	AUTOMOBILE	<i>Kavinadhithya</i>
8	U17AM046	VETRIVEL P	AUTOMOBILE	<i>P. Vetrivel</i>
9	U17AM047	MANISH P MUTREJA .	AUTOMOBILE	<i>Manish P</i>
10	U17AM048	HARIHARAN S	AUTOMOBILE	<i>Hariharan S</i>
11	U17AM007	YOGESHWARAN K	AUTOMOBILE	<i>Yogeshwaran K</i>
12	U18AM005	DULAM YESWANTH REDDY.	AUTOMOBILE	<i>Dulam Yeswanth</i>
13	U18AM006	CHANDRU J	AUTOMOBILE	<i>Chandru J</i>
14	U18AM007	ADDURI SAI AKHIL	AUTOMOBILE	<i>Adduri Sai Akhil</i>
15	U18AM008	NARAYANAM KRISHNA SAI N	AUTOMOBILE	<i>Narayanam Krishna Sai N</i>



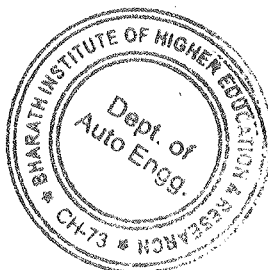
16	U16MT003	DINESH J	MECHATRONICS	J. Dine
17	U16MT004	SRINATH B	MECHATRONICS	Srinath B
18	U16MT005	DHANASEKAR R	MECHATRONICS	Dhanasekar R
19	U16MT006	GOUTHAM M	MECHATRONICS	Goutham M
20	U16MT007	SATHIYASEELAN S	MECHATRONICS	Sathiyaseelan S
21	U16MT008	RAKESH P	MECHATRONICS	P. Rave
22	U17MT012	TAMILSELVAN A	MECHATRONICS	Tamilselvan A
23	U17MT013	ARUN KUMAR C K	MECHATRONICS	Arun C K
24	U17MT014	MOHAN PIRASATH M	MECHATRONICS	Mohan Pirasath M
25	U17MT015	BAGIYARAJ D	MECHATRONICS	Bagiyaraj D
26	U17MT016	MANOJ KUMAR P	MECHATRONICS	Manoj P
27	U18MT028	S AKASH .	MECHATRONICS	S. Akash
28	U18MT029	GARAPATI NAGA VEERA VENKATA DURGA PRASAD	MECHATRONICS	G. V. D. R. (Sheela)
29	U18MT030	CHILUKURI V D R SURYA CHOWDARY .	MECHATRONICS	C. V. D. R. (Sheela)
30	U18MT031	SENGUTTUVAN A .	MECHATRONICS	Senguttuvan A
31	U18MT032	ASLAM HAMEED N .	MECHATRONICS	Aslam Hameed N
32	U16ME056	YOGESH	MECHANICAL	Yogesh
33	U16ME059	JEFRON	MECHANICAL	Jepron
34	U16ME062	DANIEL	MECHANICAL	Daniel
35	U16ME066	VASANTH KUMAR	MECHANICAL	Vasanth Kumar
36	U17ME102	HARISH	MECHANICAL	Harish
37	U17ME120	SUDDAPALLI JASWANTH SAI KUMAR	MECHANICAL	Sunny

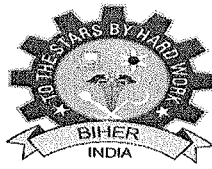


38	U17ME125	BURRAREDDYPALLE	MECHANICAL	Burrareddy
39	U17ME131	DASARI	MECHANICAL	Danny
40	U17ME135	VEMULA CHANDU RASAD	MECHANICAL	Vemula
41	U18ME100	EDIPALLI DATTA SAI VARMA	MECHANICAL	E. Sai Varma
42	U18ME104	VEMULA VINOD KUMAR	MECHANICAL	V. Vinod Kumar
43	U18ME117	SURESH	MECHANICAL	Suresh
44	U18ME120	AJAY KUMAR REDDY	MECHANICAL	Ajay Kumar Reddy
45	U18ME126	MALLU SRIKANTH REDDY	MECHANICAL	M. Srikanth Reddy

No of Students Registered: 45

No of Students present: 45





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Requisition Letter

Date: 01.07.2019

From

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

To

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

Respected Sir,

Sub: Requisition for conducting Value added course – reg.

School of Mechanical Sciences has planned to conduct Value added course entitled “PRINCIPLES OF MACROECONOMICS” FROM 08/07/2019 to 12/07/2019. In this regard we kindly request you to grant permission for the same.

Thanking You

HOD/MECH



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

Date: 01.07.2019

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 08.07.2019 to 12.07.2019 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.

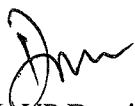


Department of Mechanical Engineering
One Week Value added Program on Principles of Macroeconomics

Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 4:30 PM)
08.07.2019	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.
09.07.2019	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.
10.07.2019	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.
11.07.2019	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.

12.07.2019	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



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INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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Attendance sheet

S.No	Reg. No	Students Name	Department
1	U16ME066	VASANTH KUMAR R	Mechanical Engineering
2	U16ME078	KAMASANI SURESH	Mechanical Engineering
3	U16ME080	MAJID ALI	Mechanical Engineering
4	U16ME082	HARISH S	Mechanical Engineering
5	U16ME087	ANAND KUMAR .	Mechanical Engineering
6	U16ME093	MACHUNURU PRASAD KUMAR REDDY	Mechanical Engineering
7	U16ME094	GOPAL KUMAR .	Mechanical Engineering
8	U16ME520	PAVITHRAN OMEZHILAN	Mechanical Engineering
9	U16ME522	I S V SAI DATTHA SHARAN	Mechanical Engineering
10	U16ME572	RANJITH VIGNESHWAR A	Mechanical Engineering
11	U16ME602	SHAIK MAHAMMED HANEEF	Mechanical Engineering
12	U16ME603	SHAIK RIYAZ	Mechanical Engineering
13	U16ME026	VISHVAK R	Mechanical Engineering
14	U16ME042	MOURYA RAJ D	Mechanical Engineering
15	U16ME046	V. SIVASHANMUGAM V	Mechanical Engineering
16	U16ME050	VIKRAM SINGH	Mechanical Engineering
17	U16ME051	AFTAB ALAM	Mechanical Engineering
18	U16ME053	HARI HARAN S E	Mechanical Engineering
19	U16ME070	VEERAPANENI HARICHANDRA	Mechanical Engineering
20	U16ME072	KARRI PAVAN KUMAR .	Mechanical Engineering
21	U16ME501	BENDICT JOHN SMITH B	Mechanical Engineering
22	U16ME507	BHARGAV NELAKUDITI	Mechanical Engineering
23	U16ME512	POOVENDHAN S	Mechanical Engineering
24	U16ME517	SEYED AHAMED A R	Mechanical Engineering
25	U16ME519	RAJOSHIK ROY	Mechanical Engineering
26	U16ME521	CHENNAMREDDY SRINATH	Mechanical Engineering
27	U16ME719	NEHLANGKI SUIAM	Mechanical Engineering
28	U16ME019	SIDDARTH A	Mechanical Engineering
29	U16ME020	NISONAN N	Mechanical Engineering
30	U16ME021	RAJITH R C	Mechanical Engineering
31	U16ME022	SURIYA RAJ R	Mechanical Engineering
32	U16ME027	R.UDHAYA KUMAR R	Mechanical Engineering
33	U16ME044	DINESH C	Mechanical Engineering
34	U16ME045	MUSTAQA AHMED M	Mechanical Engineering

35	U16ME047	GOWTHAM S	Mechanical Engineering
36	U16ME048	HEMANTH RAJ R	Mechanical Engineering
37	U16ME052	SHRIKHANTH R	Mechanical Engineering
38	U16ME071	SANTHOSH R	Mechanical Engineering
39	U16ME136	MOHAMMED THAUFEeq K	Mechanical Engineering
40	U16ME137	DINESHKUMAR S	Mechanical Engineering
41	U16ME141	DEJOEL HAROLD RAYMOND F	Mechanical Engineering
42	U16ME526	DANTLA GOWTHAM REDDY	Mechanical Engineering
43	U16ME527	ANANDHRAJ J	Mechanical Engineering
44	U16ME571	YOGESH N	Mechanical Engineering
45	U16ME601	MOGHAL SAJEED BAIG	Mechanical Engineering
46	U16ME708	SURESH S	Mechanical Engineering
47	U16MT007	SATHIYASEELAN S	Mechatronics Engineering
48	U16MT008	RAKESH P	Mechatronics Engineering
49	U16MT009	ABDUL FAHEEM S	Mechatronics Engineering
50	U16MT010	SAKTHI R	Mechatronics Engineering
51	U16MT011	MELVINE ROHAN R	Mechatronics Engineering
52	U16AM007	SUNDARESWARAN B	Automobile Engineering
53	U16AM008	PALAPANDALA PRUDHVI	Automobile Engineering
54	U16AM009	THAMIM ANSARI K	Automobile Engineering
55	U16AM010	JAI KUMAR VERMA	Automobile Engineering

Bharath Institute of Higher Education and Research

CERTIFICATE OF PARTICIPATION

This certificate goes to

VIKRAM SINGH

for successfully completing the Value Added Course on
"PRINCIPLES OF MACRO ECONOMICS" conducted by
the School of Mechanical Engineering during the month
of July 2019.



VAC CO-ORDINATOR



HOD MECHANICAL



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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 Engineering

Date : 12.07.2019

Event / Speaker Name : Principle of Macroeconomics.
Mr. J. Anand and Dr. K. Selvakumar.

- 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				✓	

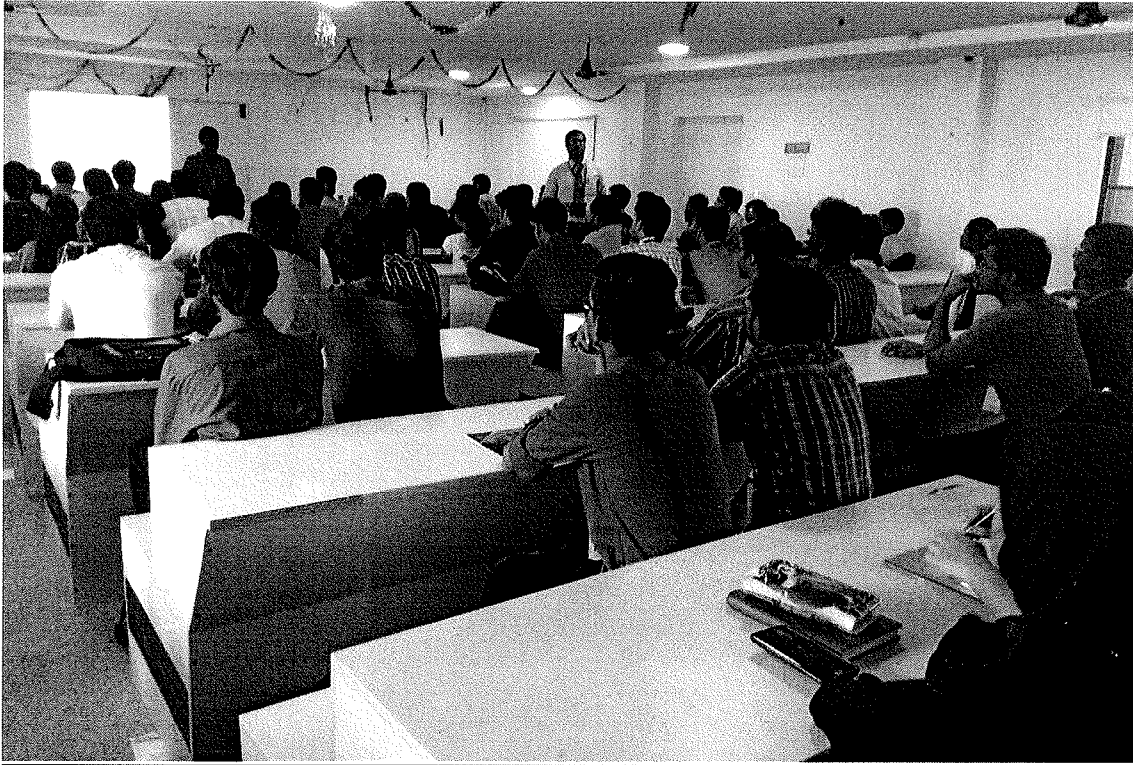
- Overall, how would you rate this Guest Lecture / Workshop / Seminar / Event/Value added course?

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

- Comments (If any):

Very interesting course with
complete relevancy of the topic.

PHOTO





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Date: 26.02.2020

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 02.03.2020 to 06.03.2020. In this regard we kindly request you to grant permission for the same.

Thanking You

HOD/MECH



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

Date:28.02.2020

Department of Mechanical Engineering

Circular

The of Department of Mechanical Engineering, BIHER glad to conduct on five days value added program on “**PSYCHOLOGY OF SPORTS**” from 02.03.2020 to 06.03.2020 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.V.Srinivasan,Dr.Hariharan

Maximum no. of registration Allowed – 60.

Program coordinator


Dr.S.Thirumavalavan



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Department of Mechanical Engineering

Psychology of sports

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)
02.03.2020	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
03.03.2020	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.
04.03.2020	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.
05.03.2020	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..
06.03.2020	Dr.Hariharan Developing and facilitating Coach – Player relationship	V.Srinivasan ASSIGNMENTS ON SPORTS ORGANIZATION <i>Quiz/ Feedback / valedictory Session</i>

Program Coordinator:

Mr.Dr.S.THIRUMAVALAVAN

Assistant Professor,

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



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INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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Attendance sheet

1	U16ME002	DINESH KUMAR U	Mechanical Engineering
2	U16ME033	SHERIN T MAMMEN	Mechanical Engineering
3	U16ME035	PARTHAN V	Mechanical Engineering
4	U16ME041	SUVODEEP RAKSHIT	Mechanical Engineering
5	U16ME049	MOHAMED ABDULLAH K	Mechanical Engineering
6	U16ME055	DEEPAK H	Mechanical Engineering
7	U16ME082	HARISH S	Mechanical Engineering
8	U16ME119	PALAPALA KOTESWARARAO	Mechanical Engineering
9	U16ME120	MADDIKARA SRIKAMTHREDDY	Mechanical Engineering
10	U16ME121	MUKESH K	Mechanical Engineering
11	U16ME505	KONDURU VENKATESWARA PRASAD	Mechanical Engineering
12	U16ME506	ARUN GOSH P A	Mechanical Engineering
13	U16ME510	Selva Kumar M	Mechanical Engineering
14	U16ME513	CHINTALA RAMESH DORAU V	Mechanical Engineering
15	U16ME516	KARTHIKEYAN K	Mechanical Engineering
16	U16ME705	VASANTH C	Mechanical Engineering
17	U16ME024	ANCHULLA VENUGOPAL	Mechanical Engineering
18	U16ME025	SHANKAR YADAV	Mechanical Engineering
19	U16ME026	VISHVAK R	Mechanical Engineering
20	U16ME057	AMIT PRAKASH V	Mechanical Engineering
21	U16ME058	RAHUL GEDELA	Mechanical Engineering
22	U16ME060	PUCHAKAYALA HARI BABU .	Mechanical Engineering
23	U16ME061	KONAKALLA RANJITH	Mechanical Engineering
24	U16ME063	GAJULA AKHIL RAGHU SAI .	Mechanical Engineering
25	U16ME073	MUDDADA GIREESH	Mechanical Engineering
26	U16ME116	MADHAVANENI PRASANTH	Mechanical Engineering
27	U16ME144	JAGADALA KUMARA SWAMY	Mechanical Engineering
28	U16ME501	BENDICT JOHN SMITH B	Mechanical Engineering
29	U16ME507	BHARGAV NELAKUDITI	Mechanical Engineering
30	U16ME512	POOVENDHAN S	Mechanical Engineering
31	U16ME713	TUPAKULA LAKSHMI NARAYANA .	Mechanical Engineering
32	U16ME715	DAMSANI SRIKANTH	Mechanical Engineering
33	U16ME717	CHINTAKAYALA SANDEEP SANDEEP	Mechanical Engineering
34	U16ME718	TARUN G	Mechanical Engineering
35	U16ME032	MALARAVAN A	Mechanical Engineering
36	U16ME034	SHEIK SYBUDEEN M	Mechanical Engineering
37	U16ME037	THAMIN ANSARI M	Mechanical Engineering
38	U16ME123	ABHIJITH A R	Mechanical Engineering

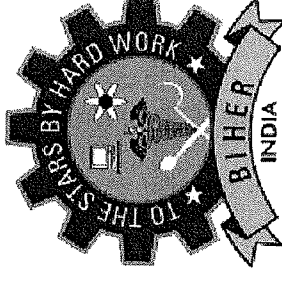
39	U16ME124	BEENAGONI ANILKUMAR	Mechanical Engineering
40	U16ME125	SUJITH H	Mechanical Engineering
41	U16ME126	JAKKAMSETTI BHANU CHAITANYA .	Mechanical Engineering
42	U16ME130	VENKATASRINIVAS M	Mechanical Engineering
43	U16ME502	JULIAN NIRMAL R	Mechanical Engineering
44	U16ME604	MOHAMMED IMRAN BAIG I	Mechanical Engineering
45	U16ME671	TABIT MINGKI .	Mechanical Engineering
46	U16ME707	DHINESH KANNAN K	Mechanical Engineering
47	U16AM012	MOHAMED IMTHIYAZ M	Automobile Engineering
48	U16AM014	KARMUGILAN V	Automobile Engineering
49	U16AM015	PARIMI SAI SURYA VAMSI	Automobile Engineering
50	U16AM017	AMAL PHILIP GEORGE	Automobile Engineering
51	U16AM018	ROSHAN ROMARIO FRANCIS	Automobile Engineering
52	U16MT014	SARATHKUMAR D	Mechatronics Engineering
53	U16MT015	SOMENDRAN A	Mechatronics Engineering
54	U16MT017	Y MOHAMMED SHAHID SHARIFF	Mechatronics Engineering
55	U16MT018	RATHISH KRISHNAN R	Mechatronics Engineering
56	U16MT501	MUGILAN M	Mechatronics Engineering
57	U16MT502	VIGNESHWAR C B	Mechatronics Engineering

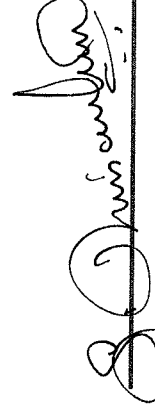
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This is to certify presented to :

ARUN GOSH P A

Has participated in the Value Added Course titled "Psychology of Sports" conducted by the School of Mechanical Engineering during
the month of March 2020




VAC CO-ORDINATOR



HOD MECHANICAL



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FEEDBACK FORM

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

Name of Department : Mechanical

Date : 6.03.20

Event / Speaker Name : Psychology of Sports Mr. V. Srinivasan,
Dr. Hariheran

- 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 Informative,

PHOTO





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Requisition Letter

Date: 01.08.2019

From

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

To

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

Respected Sir,

Sub: Requisition for conducting Value added course – reg.

School of Mechanical Sciences has planned to conduct Value added course entitled “RESEARCH METHODOLOGY USING REAL WORLD PROJECTS” from 05/08/2019 to 09/08/2019. In this regard we kindly request you to grant permission for the same.

Thanking You

HOD/MECH



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Date: 01.08.2019

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 05.08.2019 to 09.08.2019 for 30 hours. Those who are interested to participate do register your name to the program coordinator.

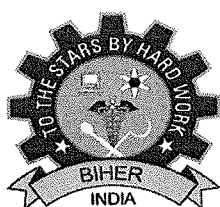
The registered students must attend all the classes without fail. The students who have completed the course successfully with good score will get the course completion certificate from the institute/Department.

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

Maximum no. of registration Allowed – 60.

Program coordinator

Mr.V.P.Durairaj



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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.



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

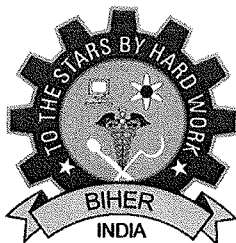
Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 4:30 PM)
05.08.2019	Program Inauguration : Mr. V. Jose Anand Vino An introduction to Research methodology : Formulating the Research problems and questions An introduction to Research methodology : Formulating the Research problems and 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.
06.08.2019	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.
07.08.2019	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..
08.08.2019	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..
09.08.2019	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:

Mr.VP.Durairaj

Assistant Professor,

E-Mail: vpdurairaj57@gmail.com



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Attendance sheet

S.No	Reg.No	Name	Department
1	U16ME001	PRAVIN K	Mechanical Engineering
2	U16ME003	BHARATH S	Mechanical Engineering
3	U16ME004	GIRIDHARAN S	Mechanical Engineering
4	U16ME005	PRABAKARAN S	Mechanical Engineering
5	U16ME010	PAVITHRAN P	Mechanical Engineering
6	U16ME013	ABUBAKKAR M	Mechanical Engineering
7	U16ME015	HARIHARAN N	Mechanical Engineering
8	U16ME017	KARTHICK M	Mechanical Engineering
9	U16ME019	SIDDARTH A	Mechanical Engineering
10	U16ME020	NISONAN N	Mechanical Engineering
11	U16ME021	RAJITH R C	Mechanical Engineering
12	U16ME022	SURIYA RAJ R	Mechanical Engineering
13	U16ME027	R.UDHAYA KUMAR R	Mechanical Engineering
14	U16ME028	BANALA RAVI ANISH	Mechanical Engineering
15	U16ME032	MALARAVAN A	Mechanical Engineering
16	U16ME034	SHEIK SYBUDEEN M	Mechanical Engineering
17	U16ME037	THAMIN ANSARI M	Mechanical Engineering
18	U16ME038	VIGNESH G	Mechanical Engineering
19	U16ME039	PRADHIP B R	Mechanical Engineering
20	U16ME040	RAGUL KUMAR S	Mechanical Engineering
21	U16ME043	AAKASH KAVIN T	Mechanical Engineering
22	U16ME044	DINESH C	Mechanical Engineering
23	U16ME045	MUSTAQ AHMED M	Mechanical Engineering
24	U16ME047	GOWTHAM S	Mechanical Engineering
25	U16ME048	HEMANTH RAJ R	Mechanical Engineering
26	U16ME052	SHRIKHANTH R	Mechanical Engineering
27	U16ME071	SANTHOSH R	Mechanical Engineering
28	U16ME079	MOHAMMED SHAJI B	Mechanical Engineering
29	U16ME081	MUKANTHAN T	Mechanical Engineering
30	U16ME084	SAMPADARAO ASHOK	Mechanical Engineering
31	U16ME088	GODWIN PRABHU G	Mechanical Engineering
32	U16ME108	YERRAMSETTI MAHESH BABU .	Mechanical Engineering
33	U16ME114	REDDYVARI TEJESH	Mechanical Engineering
34	U16ME123	ABHIJITH A R	Mechanical Engineering
35	U16ME124	BEENAGONI ANILKUMAR	Mechanical Engineering

36	U16ME125	SUJITH H	Mechanical Engineering
37	U16ME126	JAKKAMSETTI BHANU CHAITANYA .	Mechanical Engineering
38	U16ME130	VENKATASRINIVAS M	Mechanical Engineering
39	U16ME132	ASHWIN S	Mechanical Engineering
40	U16ME135	KRISHNAKANTH S	Mechanical Engineering
41	U16ME136	MOHAMMED THAUFEeq K	Mechanical Engineering
42	U16ME137	DINESHKUMAR S	Mechanical Engineering
43	U16ME141	DEJOEL HAROLD RAYMOND F	Mechanical Engineering
44	U16ME142	JARUPULA REVANTH KUMAR	Mechanical Engineering
45	U16AM020	MERUGU SHIVA SAGAR	Automobile Engineering
46	U16AM021	ANJERI BALU	Automobile Engineering
47	U16AM022	JONATHAN LEVI WILLIAMS S	Automobile Engineering
48	U16AM023	MOHAMED FARIZ	Automobile Engineering
49	U16AM701	B.YASWANTH SAI	Automobile Engineering
50	U16AM702	MOHAMED AZHARUDEEN	Automobile Engineering
51	U16AM703	LAGHUVARAPU SAI SATHISH	Automobile Engineering
52	U16AM704	GUNTAMUKKALA THILAK	Automobile Engineering
53	U16MT014	SARATHKUMAR D	Mechatronics Engineering
54	U16MT015	SOMENDRAN A	Mechatronics Engineering
55	U16MT017	Y MOHAMMED SHAHID SHARIFF	Mechatronics Engineering

Bharath Institute of Higher Education and Research

CERTIFICATE OF PARTICIPATION

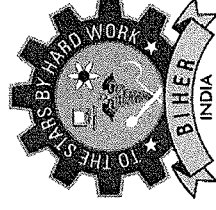
This certificate goes to

HEMANTH R.AJ.R

for successfully completing the Value Added Course on
"RESEARCH METHODOLOGY USING REAL WORLD
PROJECTS" conducted by the School of Mechanical
Engineering during the month of August 2019.

[Signature]

VAC CO-ORDINATOR



[Signature]

HOD MECHANICAL



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FEEDBACK FORM

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

Name of Department : Mechanical Engineering
Date : 05/08/2019 - 09/08/2019
Event / Speaker Name : Research Methodology using Real world projects.
Mr. Jose Anand and Mr. Hanikavan

- 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 informative course.

PHOTO





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Date: 05.08.2019

Department of Mechatronics

Circular

The Department of Mechatronics, BIHER is glad to conduct a 5 - days Value Added Program on “**Course on Robot Grasping**” dated from 12.08.2019 to 17.08.2019 for a period of 30 hours. Those who are interested to participate do register your name with the program coordinator mentioned below.

Resource persons:

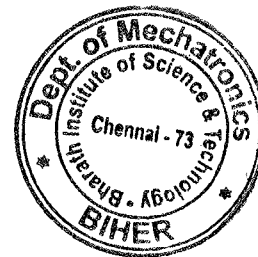
Dr.P. Sengottuvel,
HOD & Professor,
BIHER

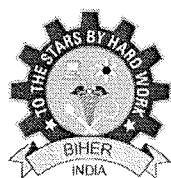
Mr.Alagar,
Asst Engineer,
443, Anna Salai, Teynampet,
Chennai, Tamil Nadu 600018
Maximum No. of registration Allowed – 60

***First come first serve basis.**

Program Coordinator:

Mr.M.Chandra Mohan
Assistant Professor
Mrs.G.Vasumathi
Assistant Professor,
E-Mail: vasumathi.mt@bharathuniv.ac.in
Mobile: 9788644964





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Department of Mechatronics

Course on Robot Grasping

OBJECTIVES:

The objective of this course to introduce the basic concepts and components of robotics .To learn the Robot Grasping and machine vision concepts based on Image Processing Techniques

[DAY:1] MODULE I

(6 Hrs)

Robotics – Introduction–Basic Structure– Classification of robot and Robotic systems robot motions – work space, precision of movement. Drives and control systems: Hydraulic systems, power supply – servo valve – sump – hydraulic motor – DC servo motors – stepper motors – operation.

[DAY: 2] MODULE II

(6 Hrs)

Mechanical Components of Robots: Power transmission systems: Gear transmission. Belt drives, cables, Roller Chains, Link – Road Systems, Rotary to linear motion conversion, Rack and pinion drives, ball bearing screws, speed reducers, Harmonic drives.

[DAY: 3] MODULE III

(6 Hrs)

Introduction, Matrix Representation, Homogeneous transformation, forward and inverse Kinematics, Inverse Kinematics Programming, Degeneracy, dexterity, velocity and static forces, velocity transformation force control systems, Basics of Trajectory planning.

[DAY: 4] MODULE IV

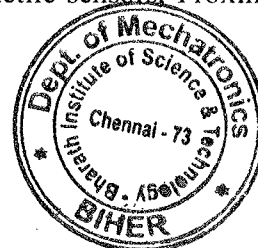
(6 Hrs)

Types of end effectors – Mechanical grippers – Types of Gripper mechanisms – Grippers force analysis – Other types of Grippers – Vacuum cups – Magnetic Grippers – Adhesive Grippers – Robot end effector interface.






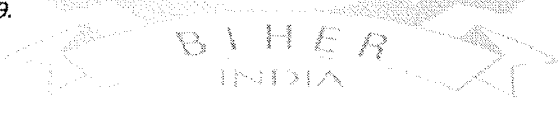
[DAY: 5] MODULE V:

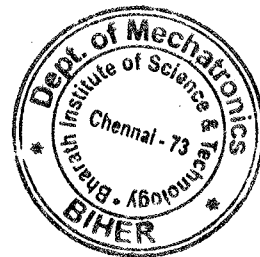
(6 Hrs)

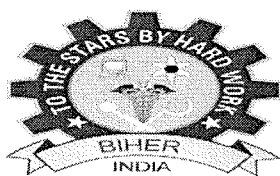
Sensors: Position sensors – Potentiometers, encoders – LVDT, Velocity sensors, Acceleration Sensors, Force, Pressure and Torque sensors, Touch and Tactile sensors, Proximity, Range and sniff sensors, RCC, VOICE recognition and synthesizers.



Model Certificate

 IGWUGE GOLD	 ABET	 Bharath INSTITUTE OF HIGHER EDUCATION AND RESEARCH <small>Recognized as Deemed to be University - U-2 of the UGC Act, 1956</small>	 A NAAC <small>NATIONAL ACADEMIC ACHIEVEMENT COUNCIL</small>	
BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY				
 CERTIFICATE OF PARTICIPATION 				
<i>This is to certify that</i>				
<i>Prof./Dr./Mr./Ms.</i>				
<i>of</i>				
BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY, BIHER, CHENNAI.				
<i>He /She has Participated in a Value Added Program on "Course on Robot</i>				
<i>Grasping " organized by the School of Mechanical Sciences , Department of Mechatronics , on</i>				
<i>12th to 18th August 2019.</i>				
 				
Coordinator Mr.M.Chandra Mohan	Convener Dr.P.Sengottuvel	Dean-Engineering Dr.J.Hameed Hussain		





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Department of Mechatronics

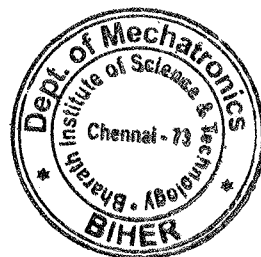
Value Added Course - Course on Robot Grasping

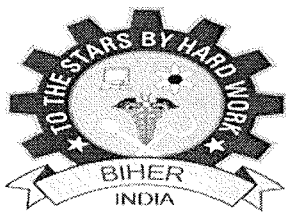
Participants List

S.No	Reg.No	Name	Department
1.	U17MT023	PRAVEEN R	Mechatronics
2.	U17MT024	MANIKANDAN V	Mechatronics
3.	U17MT026	MADUGULA BALACHANDRA	Mechatronics
4.	U17MT027	ALEX ANTO	Mechatronics
5.	U17MT028	HEMALATHA G	Mechatronics
6.	U17MT029	PRAKASH RAJ S	Mechatronics
7.	U17MT031	SYED SAMSUDEEN I	Mechatronics
8.	U17MT032	LAKKIREDDY PAVAN KALYAN REDDY	Mechatronics
9.	U17MT033	KARTHIK Y M	Mechatronics
10.	U17MT034	JONNALAGADDA GOPALA KRISHNA MOHAN RAO	Mechatronics
11.	U17MT035	HARIHARAN E	Mechatronics
12.	U17MT036	SUSHIL KUMAR PASAWAN	Mechatronics
13.	U17MT037	DINESH N	Mechatronics
14.	U17MT038	DHARANIDHARAN J	Mechatronics
15.	U17MT039	SAGADEVAN G	Mechatronics
16.	U17MT040	NIZAMUDEEN A	Mechatronics

17.	U17MT042	METHIL KRISHNAN A H	Mechatronics
18.	U17MT044	BADDITI YESOBU	Mechatronics
19.	U17MT045	ABDUL RAHAMAN S	Mechatronics
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26.	U17MT053	GOKULAKRISHNAN U	Mechatronics
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28.	U17MT055	YOKESH RAJ V	Mechatronics
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34.	U17MT061	MOHAMMED ABBAS A	Mechatronics
35.	U17MT501	ADITHIYA M	Mechatronics
36.	U17MT502	MUTHU VIJAY RAJA V	Mechatronics
37.	U17MT503	DISHAN ASIR RAJ R	Mechatronics
38.	U17MT504	ARAVIND K	Mechatronics
39.	U17MT701	KEERTHIVASAN G	Mechatronics
40.	U17MT703	KOLLATI NAGA SIVA .	Mechatronics

41.	U18MT020	DOSURI VENKATA NAGA RAMA NIRMAL .	Mechatronics
42.	U18MT021	M LAKHAN PUROHIT .	Mechatronics
43.	U18MT022	JITENDER SUTHAR .	Mechatronics
44.	U18MT023	SHAIK AMEER .	Mechatronics
45.	U18MT024	KOTELLA PRATHAP REDDY .	Mechatronics
46.	U18MT025	SANGAL DHRUV ALOK .	Mechatronics
47.	U18MT026	BALA MURUGAN P	Mechatronics
48.	U18MT028	S AKASH .	Mechatronics
49.	U18MT029	GARAPATI NAGA VEERA VENKATA DURGA PRASAD	Mechatronics
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55.	U18MT501	VIGNESH S	Mechatronics
56.	U18MT701	KARTHIKEYAN M	Mechatronics
57.	U18MT702	AJITH S	Mechatronics
58.	U18MT703	JAINUL AHAMEDSHA A	Mechatronics
59.	U18MT704	MOHAMMAD RIYAZ M	Mechatronics
60.	U18MT705	SHALISHWARAN T	Mechatronics



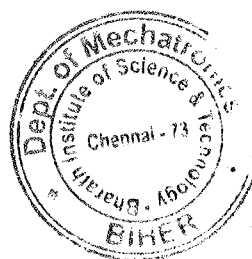
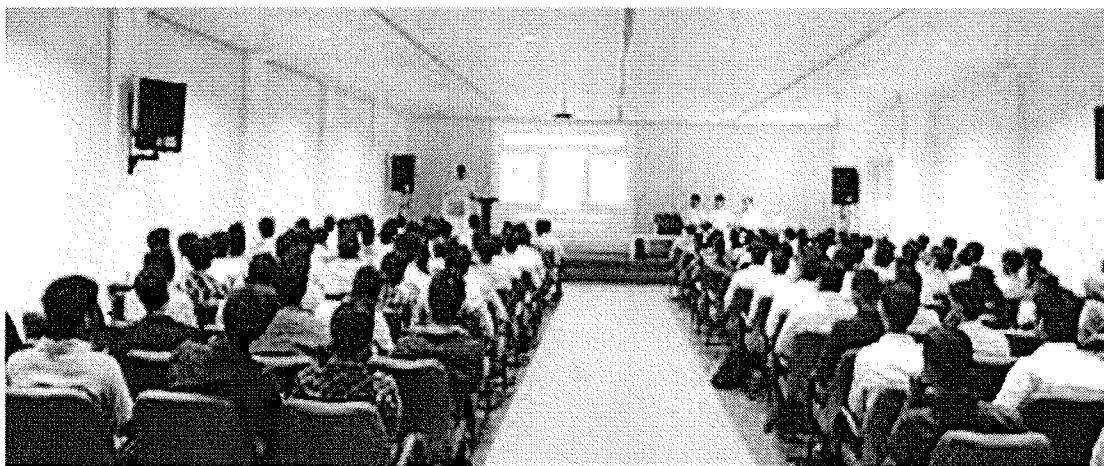


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Department of Mechatronics

Value added course on Course on Robot Grasping





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Date: 03.02.2020

Department of Mechatronics

Circular

The Department of Mechatronics, BIHER is glad to conduct a 5 - days Value Added Program on “**Robotic Process Automation**” dated from 10.02.2020 to 14.02.2020 for a period of 30 hours. Those who are interested to participate do register your name with the program coordinator mentioned below.

Resource persons:

Dr.P. Sengottuvel,
HOD & Professor,
BIHER

Anbarasan E,

Assist – Project Engineer

Malles Automated and Robotic Systems Pvt Ltd.

New No.19,Tanjore Road, Near Panagal Park,T-Nagar, Chennai - 600 017.

Maximum No. of registration Allowed – 60

***First come first serve basis.**

Program Coordinator:

Mrs.V.Priya

Assistant Professor

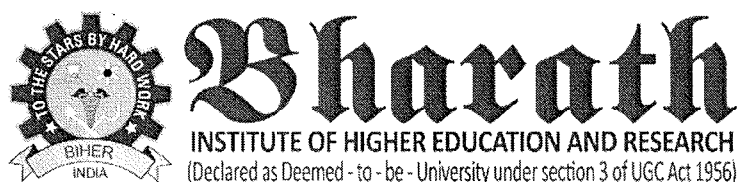
Mr. J.Dhanasekar

Assistant Professor,

E-Mail: priyavmechatronics@bharathuniv.ac.in

Mobile: 9788644965





Department of Mechatronics

Robotic Process Automation

OBJECTIVES:

The objective of RPA is to automate repeatable — and likely boring — business tasks in order to allow employees to use their skills to work on more complex ones requiring advanced problem-solving.

[DAY: 1] MODULE I

(6 Hrs)

Introduction to RPA and Use cases – Automation Anywhere Enterprise Platform – Advanced features and capabilities – Ways to create Bots

[DAY: 2] MODULE II

(6 Hrs)

Introduction - Features Panel - Dashboard (Home, Bots, Devices, Audit, Workload, Insights) - Features Panel – Activity (View Tasks in Progress and Scheduled Tasks) - Bots (View Bots Uploaded and Credentials) - Devices (View Development and Runtime Clients and Device Pools)

[DAY: 3] MODULE III

(6 Hrs)

Introduction – Recorders – Smart Recorders – Web Recorders – Screen Recorders - Task Editor – Variables - Command Library – Loop Command – Excel Command – Database Command - String Operation Command

[DAY: 4] MODULE IV

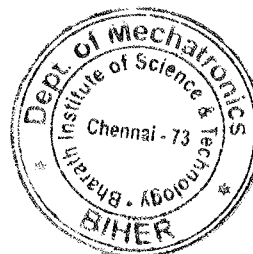
(6 Hrs)

PDF Integration Command - FTP Command - PGP Command - Object Cloning Command - Error Handling Command - Manage Windows Control Command - Workflow Designer - Report Designer - Best Practices






[DAY: 5] MODULE V:

(6 Hrs)

Introduction - MetaBot Designer - MetaBot With AI Sense - Bot Insight - Transactional Analytics - Operational Analytics



Model Certificate

				
BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY				

CERTIFICATE OF PARTICIPATION

This is to certify that

Prof./Dr./Mr./Ms. _____

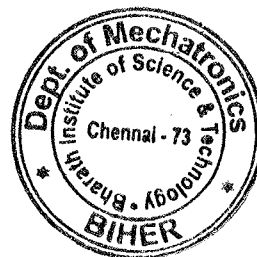
of

BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY, BIHER, CHENNAI.

He /She has Participated in a Value Added Program on "Course on Robotic Process Automation " organized by the School of Mechanical Sciences , Department of Mechatronics , on 10th to 14th Feb 2020.

BIHER INDIA

Coordinator Mrs.V.Priya	Convener Dr.P.Sengottuvel	Dean-Engineering Dr.J.Hameed Hussain
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Department of Mechatronics

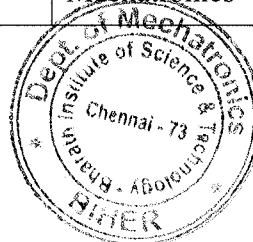
Value Added Course - Robotic Process Automation

PARTICIPANTS LIST

S.No	Reg.No	Name	Department
1.	U18MT001	KANNAN K .	Mechatronics
2.	U18MT002	ARUN KUMAR S .	Mechatronics
3.	U18MT003	PRAVIN KUMAR V .	Mechatronics
4.	U18MT004	JAGADEESH KUMAR P .	Mechatronics
5.	U18MT005	PRAVEENKUMAR V .	Mechatronics
6.	U18MT006	SANTHOSHKUMAR M .	Mechatronics
7.	U18MT007	JEBULTONE A .	Mechatronics
8.	U18MT008	VASANTHRADEVI R .	Mechatronics
9.	U18MT009	SANJAY C .	Mechatronics
10.	U18MT010	MOHAMMED SHARJUN K .	Mechatronics
11.	U18MT012	BRIGHT SELVA KUMARAN A .	Mechatronics
12.	U18MT013	E MAGESHWARAN .	Mechatronics
13.	U18MT014	SATHISH KUMAR B .	Mechatronics
14.	U18MT015	ROHITH V S .	Mechatronics
15.	U18MT016	EMAYAVARMAN P K .	Mechatronics
16.	U18MT017	KURAPATI JAGADEESH .	Mechatronics
17.	U18MT018	YOGESH M .	Mechatronics
18.	U18MT019	VASANTH G .	Mechatronics
19.	U18MT020	DOSURI VENKATA NAGA RAMA	Mechatronics

		NIRMAL .	
20.	U18MT021	M LAKHAN PUROHIT .	Mechatronics
21.	U18MT022	JITENDER SUTHAR .	Mechatronics
22.	U18MT023	SHAIK AMEER .	Mechatronics
23.	U18MT024	KOTELLA PRATHAP REDDY .	Mechatronics
24.	U18MT025	SANGAL DHRUV ALOK .	Mechatronics
25.	U18MT026	BALA MURUGAN P	Mechatronics
26.	U18MT028	S AKASH .	Mechatronics
27.	U18MT029	GARAPATI NAGA VEERA VENKATA DURGA PRASAD	Mechatronics
28.	U18MT030	CHILUKURI V D R SURYA CHOWDARY	Mechatronics
29.	U18MT031	SENGUTTUVAN A .	Mechatronics
30.	U18MT032	ASLAM HAMEED N .	Mechatronics
31.	U18MT033	MOHAMED NAFIL B	Mechatronics
32.	U18MT034	ROHITH JOSEPH S .	Mechatronics
33.	U18MT501	VIGNESH S	Mechatronics
34.	U18MT701	KARTHIKEYAN M	Mechatronics
35.	U18MT702	AJITH S	Mechatronics
36.	U18MT703	JAINUL AHAMEDSHA A	Mechatronics
37.	U18MT704	MOHAMMAD RIYAZ M	Mechatronics
38.	U18MT705	SHALISHWARAN T	Mechatronics
39.	U18MT706	TIRUMANI BULLI RAJU	Mechatronics
40.	U17MT001	PRASANNA KUMAR R	Mechatronics
41.	U17MT002	NATARAJAN M A	Mechatronics
42.	U17MT003	SAGAR AMIRDHARAJ A	Mechatronics
43.	U17MT004	CHETHANASAI K V	Mechatronics

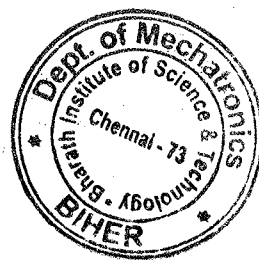
44.	U17MT005	MOHAMMED JUZER	Mechatronics
45.	U17MT006	JAISINGH ALAN JEROME J	Mechatronics
46.	U17MT007	SELVAMANI S	Mechatronics
47.	U17MT008	ARAVINTHRAJ V J	Mechatronics
48.	U17MT009	SUDAKAR S R	Mechatronics
49.	U17MT010	HARI PRASANTH D	Mechatronics
50.	U17MT012	TAMILSELVAN A	Mechatronics
51.	U17MT013	ARUN KUMAR C K	Mechatronics
52.	U17MT014	MOHAN PIRASATH M	Mechatronics
53.	U17MT015	BAGIYARAJ D	Mechatronics
54.	U17MT016	MANOJ KUMAR P	Mechatronics
55.	U17MT017	DINESHKUMAR A	Mechatronics
56.	U17MT018	DINESH G	Mechatronics
57.	U17MT020	SHARAN A P	Mechatronics
58.	U17MT021	RATALA VENKATA MADHAV .	Mechatronics
59.	U17MT022	GULAM GHOUSE B	Mechatronics
60.	U17MT023	PRAVEEN R	Mechatronics



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Department of Mechatronics

Value added course on Robotic Process Automation





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Requisition Letter

Date: 12.08.2019

From

The Head of the Department,
Department of Automobile Engineering,
Bharath Institute of Higher Education and Research,
Selaiyur, Chennai - 73

To

The Dean Engineering,
Bharath Institute of Higher Education and Research,
Selaiyur, Chennai - 73

Respected Sir,

Sub: Requisition for conducting Value added course – reg.

School of Mechanical Engineering has planned to conduct Value added course on
“Skill Development on CNC Lathe Machine” on 19/08/2019. In this regard we kindly
request you to grant permission for the same.

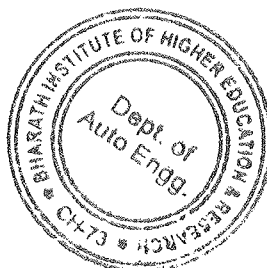
Thanking You



HOD/AUTO



Dean Engineering





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Department of Automobile Engineering

Date: 14.08.2019

Circular

The of Department of Automobile Engineering, BIHER glad to conduct on five days value added program on "*The Skill Development on CNC Lathe Machine*" from 19.08.2019 for 30 hours. Those who are interested to participate do register your name to the program coordinator.

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

Resource person: Dr. M. Senthil Kumar and Mr. V. P. Durai Raj

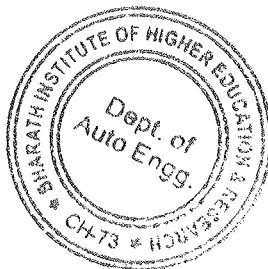
Maximum no. of registration allowed – 60.

***First come first serve basis.**

Program coordinator

 **Mr. E. Raja**

 **Mr. R. Anbazhagan**





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Department of Automobile Engineering

**Five days Value added Program on “The Skill Development on CNC Lathe Machine” from
19th August to 23rd August 2019**

Date	Morning Session (9 AM to 12 PM)	Afternoon Session (1.30 PM to 3.30 PM)
19.08.2019 (Monday)	Dr. M. Senthil Kumar Precision Instruments reading and handling, Holding of round job in an independent chuck and truing it. Holding the tool in a tool post, centering the job with the tool. Facing & drilling. Parallel turning between centers, parting off, chamfering using roughing, finishing and parting off tools.	Mr. V. P. Durai Raj Holding the job in three jaw chuck truing, centering facing. Step turning undercutting, knurling drilling and boring. Taper turning by swiveling compound rest, setting the compound rest to correct degree, checking the tool height, clamping the saddle for no longitudinal movement, checking up with precision instruments.
20.08.2019 (Tuesday)	Dr. M. Senthil Kumar Introduction to milling machine, demonstration on working principle, setting of job, setting of cutter in arbor, setting of vice on table. Safety points to be observed while working on a milling machine. Sequence of milling six faces of a solid block. Checking the accuracy with the help of trisquare scribing block and vernier height gauge. Step milling using side and face cutter checking with micrometer.	Mr. V. P. Durai Raj Straddle operations including up-milling and down milling. Introduction to indexing head types, setting and aligning of indexing head with reference to job on milling machine. Milling square / hexagonal job by simple indexing method.
21.08.2019 (Wednesday)	Dr. M. Senthil Kumar Demo of parts of CNC machine -control switches, console buttons and machines specifications Demonstration of CNC lathe parts - bed, spindle motor and drive, chuck, tailstock, tool changer, axes motor and balls crews, guide ways, LM guides, console, electrical, coolant system, hydraulic system, chip conveyor. Working of parts explained using multimedia CNC teach ware. Parts shown on machine.	Mr. V. P. Durai Raj CNC part programming with simple exercises and various programming codes. Practice on CNC machine simulator.
22.08.2019 (Thursday)	Dr. M. Senthil Kumar CNC turning center operation in various modes: jog, single block, auto, MDI,	Mr. V. P. Durai Raj Machining parts on CNC lathe with parallel, taper, step, radius turning, grooving and threading of different

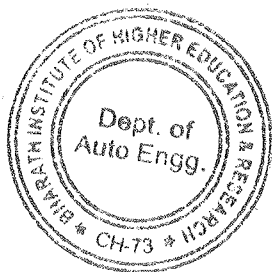
	edit, etc. Program entry. Setting of tool offsets, entry of tool nose radius and orientation.	pitches. First 60 % of the practice is on CNC machine simulator, followed by 40 % on machine.
23.08.2019 (Friday)	Dr. M. Senthil Kumar Demo of parts of CNC machining center - control switches, console buttons and machines specifications (spindle power, axes traverse, etc.). Demonstration of machine parts - bed, spindle motor and drive, tool changer, axes motors and ball screws, guideways, LM guides, console, electrical, coolant system, hydraulic system, chip conveyor. Working of parts explained using multimedia CNC teach ware. Parts shown on machine	Mr. V. P. Durai Raj CNC part programming with simple exercises and various programming codes. Practice on CNC machine simulator. CNC machining center operation in various modes: jog, single block, auto, MDI, edit, etc. Program entry. Setting of tool offsets, entry of tool radius. Practice on CNC machine simulator.

Program Coordinator:

Mr.R. Anbazhagan

Mr.E. Raja

E-Mail: raja.auto@bharathuniv.ac.in





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ACCREDITED WITH 'A' GRADE BY NAAC



BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY
SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF AUTOMOBILE ENGINEERING
CONDUCTING VALUE ADDED COURSE ON

THE SKILL DEVELOPEMENT ON CNC LATHE MACHINE

Date

19.08.2019

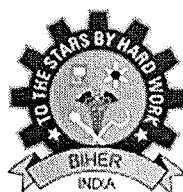
Resource Person

Dr. M. Senthil Kumar
Mr. V. P. Durai Raj

Program Coordinator

Mr. R. Anbazhagan, AP / Automobile
Mr. E. Raja, AP / Automobile

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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 : AUTOMOBILE

Date : 20.08.2019.

Event / Speaker Name : Dr. M. Senthil Kumar.

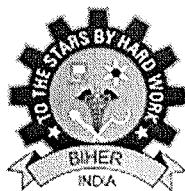
- Please rate the session on the scale indicated. Your comments are most appreciated.

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):



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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 : 20.08.2019
Event / Speaker Name : Mr. V. P. Durai Raj

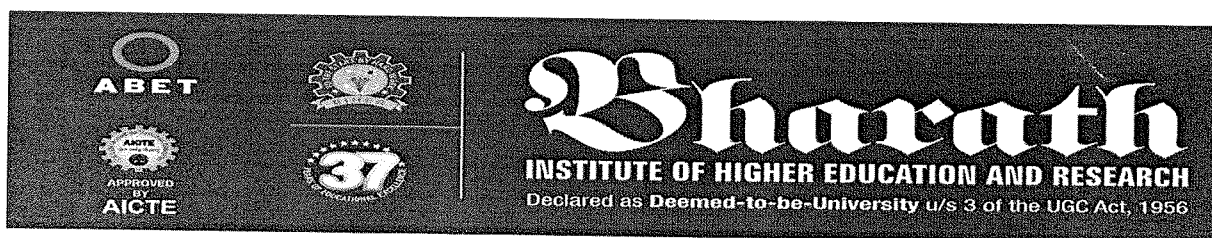
- Please rate the session on the scale indicated. Your comments are most appreciated.

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):



DEPARTMENT OF AUTOMOBILE ENGINEERING

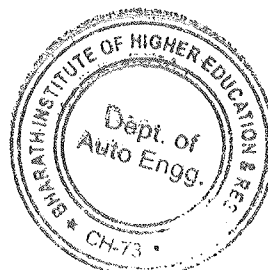
STUDENTS NAME LIST

COURSE: Skill Development on CNC Lathe Machine

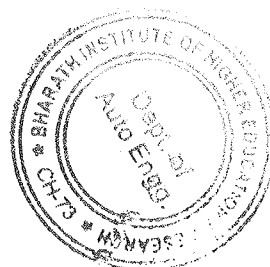
DATE: 20.04.2020

ACADEMIC YEAR: 2019-2020

S.No	REG.NO	STUDENT NAME	DEPARTMENT	SIGNATURE
1	U16AM012	MOHAMED IMTHIAZ M	AUTOMOBILE	
2	U16AM014	KARMUGILAN V	AUTOMOBILE	
3	U16AM015	PARIMI SAI SURYA VAMSI	AUTOMOBILE	
4	U16AM017	AMAL PHILIP GEORGE	AUTOMOBILE	
5	U16AM009	THAMIM ANSARI K	AUTOMOBILE	
6	U17AM002	PRAVEEN KUMAR G	AUTOMOBILE	
7	U17AM003	ALIHUSSAIN MURTAZA	AUTOMOBILE	
8	U17AM004	NAVEEN KUMAR U	AUTOMOBILE	
9	U17AM005	SUNDERJI G	AUTOMOBILE	
10	U17AM006	RANJITH R	AUTOMOBILE	
11	U17AM007	YOGESHWARAN K	AUTOMOBILE	
12	U18AM005	DULAM YESWANTH REDDY.	AUTOMOBILE	
13	U18AM006	CHANDRU J	AUTOMOBILE	
14	U18AM007	ADDURI SAI AKHIL	AUTOMOBILE	



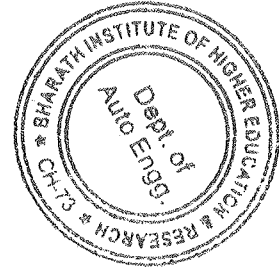
15	U18AM008	NARAYANAM KRISHNA SAI N	AUTOMOBILE	Krishna Sai
16	U16MT003	DINESH J	MECHATRONICS	Dinesh.
17	U16MT004	SRINATH B	MECHATRONICS	Srinath.
18	U16MT005	DHANASEKAR R	MECHATRONICS	Dhanasekar
19	U16MT006	GOUTHAM M	MECHATRONICS	Gautham.
20	U16MT007	SATHIYASEELAN S	MECHATRONICS	Sathyaseelan.
21	U16MT008	RAKESH P	MECHATRONICS	Rakesh.
22	U17MT012	TAMILSELVAN A	MECHATRONICS	Tamil Selvan
23	U17MT013	ARUN KUMAR C K	MECHATRONICS	C.K. Arunkumar
24	U17MT014	MOHAN PIRASATH M	MECHATRONICS	Moham M.
25	U17MT015	BAGIYARAJ D	MECHATRONICS	Bagiyaraj.
26	U17MT016	MANOJ KUMAR P	MECHATRONICS	Manoj Kumar
27	U18MT028	S AKASH .	MECHATRONICS	S. Akash.
28	U18MT029	GARAPATI NAGA VEERA VENKATA DURGA PRASAD	MECHATRONICS	G.V.V.V. Durga.
29	U18MT030	CHILUKURI V D R SURYA CHOWDARY .	MECHATRONICS	C.D.R.S. Chowdary
30	U18MT031	SENGUTTUVAN A .	MECHATRONICS	Senthuman
31	U18MT032	ASLAM HAMEED N .	MECHATRONICS	Aslam Hameed
32	U16ME056	YOGESH	MECHANICAL	Yogesh
33	U16ME059	JEFRON	MECHANICAL	Jefferon.
34	U16ME062	DANIEL	MECHANICAL	Daniel
35	U16ME066	VASANTH KUMAR	MECHANICAL	Vasanth Kumar
36	U17ME102	HARISH	MECHANICAL	Harish.
37	U17ME120	JASWANTH SAI	MECHANICAL	Jaswanth Sai

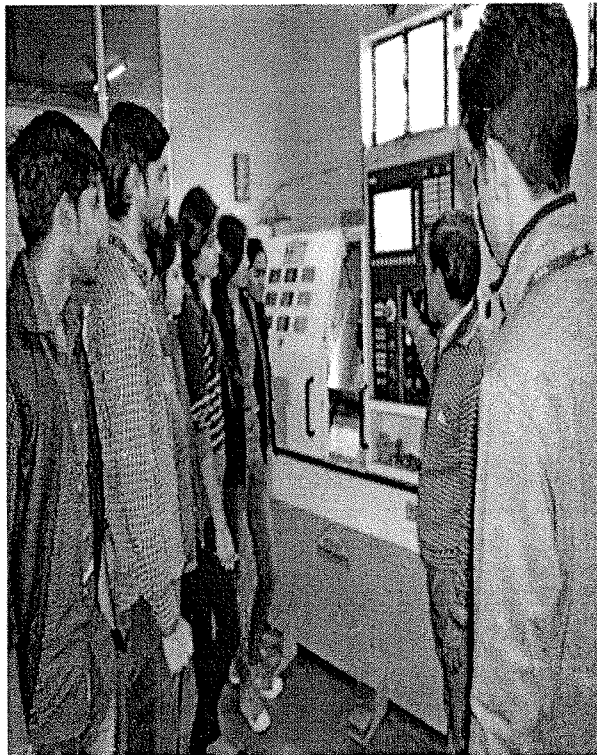


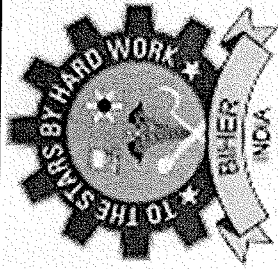
38	U17ME125	BURRAREDDYPALLE	MECHANICAL	Burra Reddy Reddy.
39	U17ME131	DASARI	MECHANICAL	Dasari
40	U17ME135	VEMULA CHANDU RASAD	MECHANICAL	V. Chandu Rasad

No of Students Registered: 40

No of Students present: 40







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This is to certify that Mr/Ms **RANJITH R**..... has

attended the *Value Added Course on Skill Development on CNC Lathe Machine*
programme organized by Department of Automobile Engineering, Bharath
Institute of Higher Education and Research, Chennai on *19-08-19*.

Co-Ordinator

Head of the Department



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Requisition Letter

Date: 17.02.2020

From

The Head of the Department,
Department of Automobile Engineering,
Bharath Institute of Higher Education and Research,
Selaiyur, Chennai - 73

To

The Dean Engineering,
Bharath Institute of Higher Education and Research,
Selaiyur, Chennai - 73

Respected Sir,

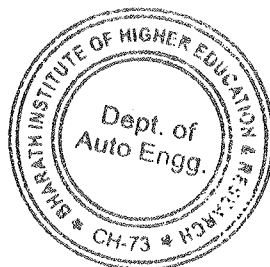
Sub: Requisition for conducting Value added course – reg.

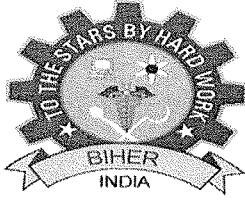
School of Mechanical Engineering has planned to conduct Value added course on
“Skill Development on IC Engines” on 16/03/2020. In this regard we kindly request you to
grant permission for the same.

Thanking You

HOD/AUTO

Dean Engineering





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

Department of Automobile Engineering

Date: 02.03.2020

Circular

The of Department of Automobile Engineering, BIHER glad to conduct on five days value added program on ***“Skill Development on IC Engine”*** from 16.03.2020 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. P. Naveenchandran and Mr. K. Aravinth

Maximum no. of registration allowed – 60.

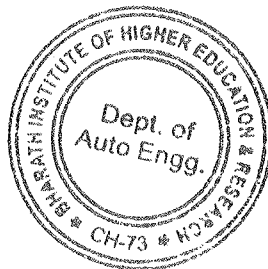
***First come first serve basis.**

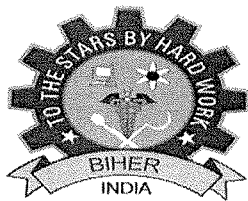
Program coordinator

E. Raja
R. Anbazhagan

Mr. E. Raja

Mr. R. Anbazhagan





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Department of Automobile Engineering

Five days Value added Program on “Skill Development on IC Engines” from 16th March 2020 to 20th March 2020

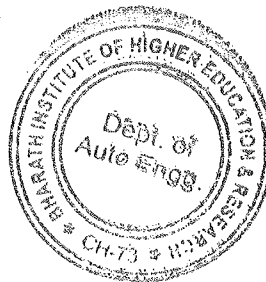
Date	Morning Session (9 AM to 12 PM)	Afternoon Session (1.30 PM to 3.30 PM)
16.03.2020 (Monday)	Dr. P. Naveenchandran Objectives of workshop, Introduction to IC Engine, Types of IC Engine	Mr. K. Aravinth 4-Stroke Engine, 2-Stroke Engine
17.03.2020 (Tuesday)	Dr. P. Naveenchandran Engine Layout and Working	Mr. K. Aravinth Disassembling of IC Engine into individual parts
18.03.2020 (Wednesday)	Dr. P. Naveenchandran Detailed study of the individual parts of engine and their mechanism on hand	Mr. K. Aravinth Demo of Disassembling & Assembling of 2- Stroke Engine
19.03.2020 (Thursday)	Dr. P. Naveenchandran Main parts of IC Engine, Clutch & Gearbox	Mr. K. Aravinth Assembling the individual Parts into IC Engine
20.03.2020 (Friday)	Dr. P. Naveenchandran Detailed Study of Valves & Valve Timing, Fuel Supply System & Carburetor	Mr. K. Aravinth Advanced trends in IC Engine (Video Session)

Program Coordinator:

Mr.R. Anbazhagan

Mr.E. Raja

E-Mail: raja.auto@bharathuniv.ac.in





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ACCREDITED WITH 'A' GRADE BY NAAC



BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY
SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF AUTOMOBILE ENGINEERING
CONDUCTING VALUE ADDED COURSE ON

SKILL DEVELOPEMENT ON INTERNAL COMBUSTION ENGINES

Date

16.03.2020

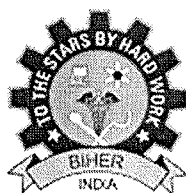
Resource Person

**Dr. P. Naveenchandran
&
Mr. K. Aravinth**

Program Coordinator

Mr. E. Raja, AP / Automobile

Mr. R. Anbazhagan, AP / Automobile



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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 : 16.03.2020

Event / Speaker Name : Mr. R. Aravindh

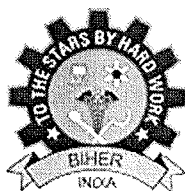
- Please rate the session on the scale indicated. Your comments are most appreciated.

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):



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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 :Mechatronics.....

Date :16.03.2020.....

Event / Speaker Name :Dr. P. Naveen Chandran.....

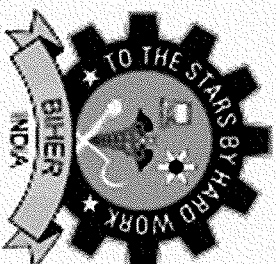
- Please rate the session on the scale indicated. Your comments are most appreciated.

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):




Bharath

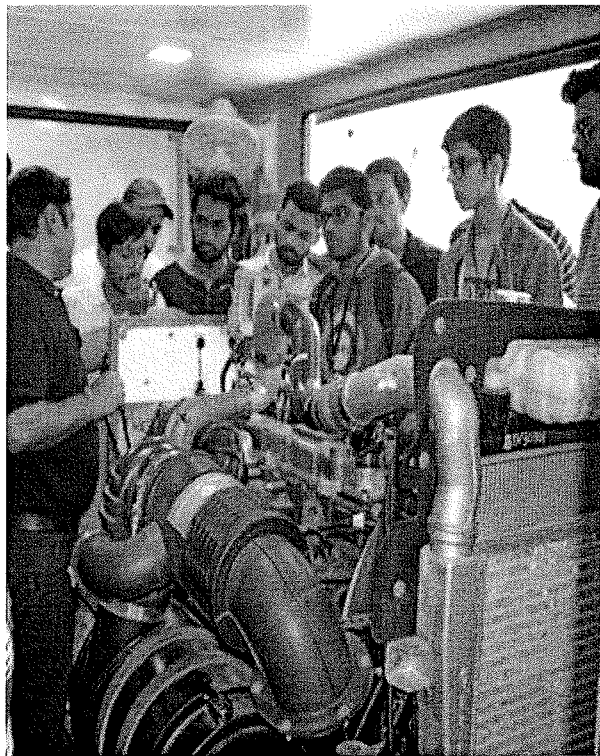
INSTITUTE OF HIGHER EDUCATION AND RESEARCH

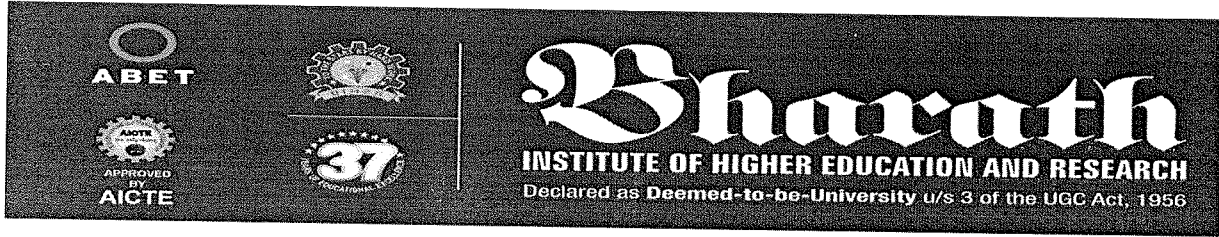
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

This is to certify that Mr/Ms ... **A.RUN KUMAR C.K.**..... has
attended the *Value Added Course on Skill Development on IC Engine*
programme organized by Department of Automobile Engineering, Bharath
Institute of Higher Education and Research, Chennai on *16-03-20*.


Co-Ordinator


Head of the Department





DEPARTMENT OF AUTOMOBILE ENGINEERING

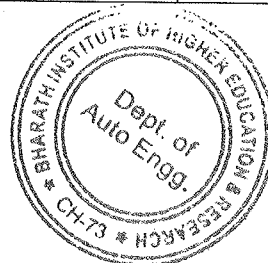
STUDENTS NAME LIST

COURSE: Skill Development in IC Engine

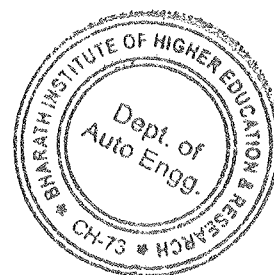
DATE: 16.03.2020

ACADEMIC YEAR: 2019-2020

S.No	REG.NO	STUDENT NAME	DEPARTMENT	SIGNATURE
1	U16AM020	MERUGU SHIVA SAGAR	AUTOMOBILE	ShivSagar
2	U16AM021	ANJERI BALU	AUTOMOBILE	Anjeri Balu
3	U16AM022	JONATHAN LEVI WILLIAMS S	AUTOMOBILE	J.L. Williams
4	U16AM023	MOHAMED FARIZ	AUTOMOBILE	M. Faraz
5	U16AM009	THAMIM ANSARI K	AUTOMOBILE	Thamim Ansari
6	U17AM002	PRAVEEN KUMAR G	AUTOMOBILE	G. Praveen Kumar
7	U17AM003	ALIHUSSAIN MURTAZA	AUTOMOBILE	Ali Hussain
8	U17AM004	NAVEEN KUMAR U	AUTOMOBILE	Naveen Kumar
9	U17AM005	SUNDERJI G	AUTOMOBILE	Sundarji
10	U17AM006	RANJITH R	AUTOMOBILE	R. Ranjith
11	U17AM007	YOGESHWARAN K	AUTOMOBILE	Yogeshwaran
12	U18AM005	DULAM YESWANTH REDDY.	AUTOMOBILE	D.Y. Reddy
13	U18AM006	CHANDRU J	AUTOMOBILE	J. Chandru
14	U18AM007	ADDURI SAI AKHIL	AUTOMOBILE	Sai Akhil



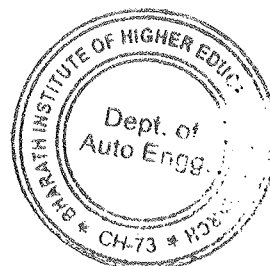
15	U18AM008	NARAYANAM KRISHNA SAIN	AUTOMOBILE	N.M. Krishn Sai
16	U16MT003	DINESH J	MECHATRONICS	Dinesh.
17	U16MT004	SRINATH B	MECHATRONICS	Srinath.
18	U16MT005	DHANASEKAR R	MECHATRONICS	Dhanasekar.
19	U16MT006	GOUTHAM M	MECHATRONICS	Goutham.M.
20	U16MT007	SATHIYASEELAN S	MECHATRONICS	Sathyaseelan
21	U16MT008	RAKESH P	MECHATRONICS	Rakesh.P.
22	U17MT012	TAMILSELVAN A	MECHATRONICS	Tamil Selvan
23	U17MT013	ARUN KUMAR C K	MECHATRONICS	C.K. Arunkumar
24	U17MT014	MOHAN PIRASATH M	MECHATRONICS	Mohan Prasath.
25	U17MT015	BAGIYARAJ D	MECHATRONICS	Bagiyaraj
26	U17MT016	MANOJ KUMAR P	MECHATRONICS	Manoj Kumar
27	U18MT028	S AKASH .	MECHATRONICS	S. Akash.
28	U18MT029	DURGA PRASAD	MECHATRONICS	Durga Prasad
29	U18MT030	CHILUKURI V D R SURYA CHOWDARY .	MECHATRONICS	C.V.D.R. Chunduru
30	U18MT031	SENGUTTUVAN A .	MECHATRONICS	Senguttuvan.
31	U18MT032	ASLAM HAMEED N .	MECHATRONICS	Aslam Hameed.
32	U16ME056	YOGESH	MECHANICAL	Yogesh.
33	U16ME059	JEFRON	MECHANICAL	Jefferon.
34	U16ME062	DANIEL	MECHANICAL	Daniel.
35	U16ME066	VASANTH KUMAR	MECHANICAL	Vasanth Kumar.
36	U17ME102	HARISH	MECHANICAL	Harish.
37	U17ME120	SUDDAPALLI JASWANTH SAI KUMAR	MECHANICAL	Sudapalli Kumar.



38	U17ME125	BURRAREDDYPALLE	MECHANICAL	<i>Burrareddy</i>
39	U17ME131	DASARI	MECHANICAL	<i>Dasari</i>
40	U17ME135	VEMULA CHANDU RASAD	MECHANICAL	<i>Vemumchandu</i>
41	U18ME100	EDIPALLI DATTA SAI VARMA	MECHANICAL	<i>Edipally</i>
42	U18ME104	VEMULA VINOD KUMAR	MECHANICAL	<i>Vinod</i>
43	U18ME117	SURESH	MECHANICAL	<i>Suresh</i>
44	U18ME120	AJAY KUMAR REDDY	MECHANICAL	<i>Ajay Kumar</i>
45	U18ME126	MALLU SRIKANTH REDDY	MECHANICAL	<i>Mallu</i>
46	U18ME195	ARUN BENIEL SELVASINGH	MECHANICAL	<i>Arun</i>
47	U18ME502	ABINASH	MECHANICAL	<i>Abinash</i>
48	U18AM035	VIDUDHALA GURU VAMSI.	AUTOMOBILE	<i>Vamsi</i>
49	U18AM036	SREENUVAS ADAPUREDDI	AUTOMOBILE	<i>Sreenivas</i>
50	U18AM037	HARIRAM K	AUTOMOBILE	<i>Hariram</i>
51	U18MT702	AJITH S	MECHATRONICS	<i>Ajith</i>
52	U18MT703	JAINUL AHAMEDSHA A	MECHATRONICS	<i>Jainul</i>

No of Students Registered: *52*

No of Students present: *52*





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Date: 21.11.2019

Department of Mechatronics

Circular

The Department of Mechatronics, BIHER is glad to conduct a 5 - day Value Added Program on “**Smart Materials and Intelligent System Design**” dated from 28.11.2019 to 04.12.2019 for a period of 30 hours. Those who are interested to participate do register your name with the program coordinator mentioned below.

Resource persons:

Dr.P. Sengottuvel,
Professor,
BIHER

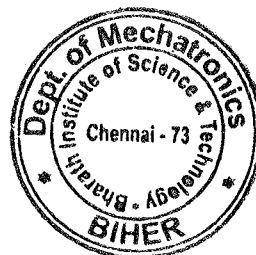
Mr. Mohammed Basha
CADDAM Technologies Pvt. Ltd
Tambaram West
Chennai .

Maximum No. of registration Allowed – 30

***First come first serve basis.**

Program Coordinator:

Mr. DHANASEKAR
Assistant Professor
Mrs.G. VASUMATHI
Assistant Professor
E-Mail: arun08v@gmail.com
Mobile: 9962133365





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Department of Mechatronics

SMART MATERIALS AND INTELLIGENT SYSTEM DESIGN

OBJECTIVES:

This course will show in this field is multi-disciplinary in nature involving materials, composites, basic electronics, control system and informatics.

[DAY: 1]

MODULE I

Introduction to smart materials (6 Hrs)

[DAY: 2]

MODULE II

Piezo electric material (6Hrs)

[DAY: 3]

MODULE III

Active smart Polymer (6 Hrs)

[DAY: 4]

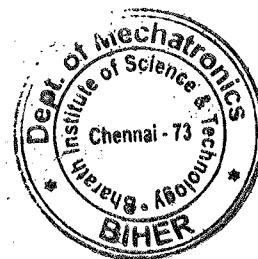
MODULE IV

Active smart Polymer (6 Hrs)





[DAY: 5]

MODULE V :

Classification of Composites (6 Hrs)



Model Certificate

   Bharath INSTITUTE OF HIGHER EDUCATION AND RESEARCH <small>Chartered as UNIVERSITY TO BE UNIVERSITY on 2nd Nov. 1985</small>	 A NAAC <small>NATIONAL ACADEMIC ACHIEVEMENT COUNCIL RECOGNITION OF QUALITY</small>
BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY	

CERTIFICATE OF PARTICIPATION

This is to certify that

Prof./Dr./Mr./Ms.

of

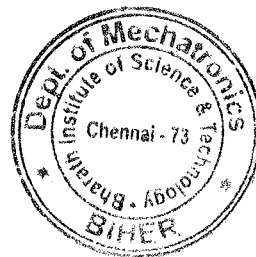
BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY, BIHER, CHENNAI.

He /She has Participated in a Value Added Program on "Course on Smart Materials and Intelligent System Design" organized by the School of Mechanical Sciences, Department of Mechatronics, on 28th November to 04th December 2019.

Coordinator
Mr.J.Dhanasekar

Convener
Dr.P.Sengottuvel

Dean-Engineering
Dr.J.Hameed Hussain





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Department of Mechatronics

Value Added Course - SMART MATERIALS AND INTELLIGENT SYSTEM DESIGN

PARTICIPANTS LIST

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

18.	U17MT036	SUSHIL KUMAR	Mechatronics
19.	U17MT035	HARIHARAN	Mechatronics
20.	U17MT061	MOHAMMED ABBAS	Mechatronics
21.	U18MT705	SHALISHWARAN T	Mechatronics
22.	U18MT706	TIRUMANI BULLI RAJU	Mechatronics
23.	U19MT010	DRISHNA MYTHREYAN C S	Mechatronics
24.	U19MT011	GODWIN ALEXANDER J	Mechatronics
25.	U19MT012	GOKUL T	Mechatronics
26.	U19MT013	GOKULKRISHNAN A	Mechatronics
27.	U19MT014	IMMANUEL H N	Mechatronics
28.	U19MT015	IMRAN KHAN K	Mechatronics
29.	U19MT016	JAGADESHWAR S	Mechatronics
30.	U19MT017	JAGADESWARAN R	Mechatronics



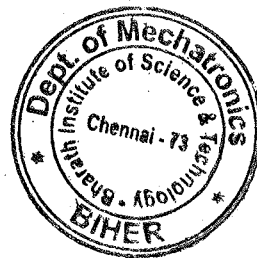


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Department of Mechatronics

Value added course on SMART MATERIALS AND INTELLIGENT
SYSTEM DESIGN





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Date:11.06.2019

From

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

To

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

Respected Sir,

Sub: Requisition for conducting Value added course – reg.

School of Mechanical Sciences has planned to conduct Value added course entitled “The Arduino and Robotics “from 17.6.2019 to 21.06.2019. In this regard we kindly request you to grant permission for the same.

Thanking You



HOD/MECH



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Date:5.06.2019

Department of Mechanical Engineering

Circular

The of Department of Mechanical Engineering, BIHER glad to conduct on five days value added program on “**The Arduino and Robotics**” from 17.06.2019 to 21.06.2019 for 30 hours. Those who are interested to participate do register your name to the program coordinator.

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

Resource person: Dr.R.Hariharan, Mr.N.Lenin Rakesh

Maximum no. of registration Allowed – 60.

Program coordinator


Mr.V.P.DuraiRaj



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The Arduino and Robotics

OBJECTIVES:

This course will show you how to use your Arduino to control a robot, while providing step-by-step instructions on the entire robot building process. You'll learn Arduino basics as well as the characteristics of different types of motors used in robotics.

MODULE 1

(6 Hrs)

Introduction to Arduino

Introduction to Arduino, Pin configuration and architecture, Device and platform features, Concept of digital and analog ports, Familiarizing with Arduino Interfacing Board, and Arduino platform.

MODULE II

(6 Hrs)

Basic Concepts of Arduino

Arduino data types, Variables and constants, Operators, Control Statements, Arrays, Functions, Arduino i/o Functions, Arduino Time, Arduino sensors, Arduino Display.

MODULE III

(6 Hrs)

Robotics Introduction

Robotics, Introduction, Basic Structure, Classification of robot and Robotic systems, laws of robotics, robot motions, work space, precision of movement

MODULE IV

(6 Hrs)

Drives and control systems

Hydraulic systems, power supply, servo valve, sump, hydraulic motor, DC servo motors, stepper motors, operation.

MODULE V

(6 Hrs)

Making it a reality (Arduino & Robotics based Projects)

This will involve designing, developing, coding and implement Arduino project. Projects will include but not limited to Fingerprint Based Car Ignition System, Obstacle avoiding robot using an ultrasonic sensor and Arduino, Fire Fighting Robot using Arduino Automatic Home cleaning Robot, Arduino Uno based Robotic Arm.



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Department of Mechanical Engineering

One Week Value added Program on “TheArduino and robotics”

Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 4:30 PM)
17.6.2019 Monday	Dr.R.Hariharan Introduction to Arduino, Pin configuration and architecture, Device and platform features	Mr.N.Lenin Rakesh learn Arduino basics as well as the characteristics of different types of motors used in robot
18.6.2019 Tuesday	Mr.N.Lenin Rakesh Arduino data types, Variables and constants, Operators, Control Statements, Arrays	Dr.R.Hariharan Arduino i/o Functions, Arduino Time, Arduino sensors, Arduino Display.
19.6.2019 Wednesday	Dr.R.Hariharan Robotics, Introduction, Basic Structure, Classification of robot and Robotic systems	Mr.N.Lenin Rakesh laws of robotics, robot motions, work space, precision of movement
20.6.2019 Thursday	Mr. N.Lenin Rakesh Hydraulic systems, power supply, servo valve, sump, hydraulic motor	Dr.R.Hariharan DC servo motors, stepper motors, operation.
21.6.2019 Friday	Dr.R.Hariharan This will involve designing, developing, coding and implement Arduino project. Projects will include but not limited to Fingerprint Based Car Ignition System	Mr.N.LeninRakesh Obstacle avoiding robot using an ultrasonic sensor and Arduino, Arduino Uno based Robotic Arm.



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Sl.No	NAME	Registrations No	Department
1	RAGUL KUMAR S	U16ME040	Mechanical Department
2	AAKASH KAVIN T	U16ME043	Mechanical Engineering
3	DINESH C	U16ME044	Mechanical Engineering
4	MUSTAQ AHMED M	U16ME045	Mechanical Engineering
5	GOWTHAM S	U16ME047	Mechanical Engineering
6	HEMANTH RAJ R	U16ME048	Mechanical Engineering
7	SHRIKHANTH R	U16ME052	Mechanical Engineering
8	SANTHOSH R	U16ME071	Mechanical Engineering
9	MOHAMMED SHAJI B	U16ME079	Mechanical Engineering
10	MUKANTHAN T	U16ME081	Mechanical Engineering
11	SAMPADARAO ASHOK	U16ME084	Mechanical Engineering
12	GODWIN PRABHU G	U16ME088	Mechanical Engineering
13	YERRAMSETTI MAHESH BABU	U16ME108	Mechanical Engineering
14	REDDYVARI TEJESH	U16ME114	Mechanical Engineering
15	ABHIJITH A R	U16ME123	Mechanical Engineering
16	BEENAGONI ANILKUMAR	U16ME124	Mechanical Engineering
17	SUJITH H	U16ME125	Mechanical Engineering
18	JAKKAMSETTI BHANU CHAITANYA	U16ME126	Mechanical Engineering
19	VENKATASRINIVAS M	U16ME130	Mechanical Engineering
20	ASHWIN S	U16ME132	Mechanical Engineering
21	RAGUL KUMAR S	U16ME135	Mechanical Engineering
22	AAKASH KAVIN T	U16ME136	Mechanical Engineering
23	DINESH C	U16ME137	Mechanical Engineering
24	MUSTAQ AHMED M	U16ME141	Mechanical Engineering
25	GOWTHAM S	U16ME142	Mechanical Engineering
26	HEMANTH RAJ R	U16ME502	Mechanical Engineering
27	SHRIKHANTH R	U16ME040	Mechanical Engineering
28	SANTHOSH R	U16ME043	Mechanical Engineering
29	MOHAMMED SHAJI B	U16ME044	Mechanical Engineering
30	MUKANTHAN T	U16ME045	Mechanical Engineering
31	SAMPADARAO ASHOK	U16ME047	Mechanical Engineering
32	GODWIN PRABHU G	U16ME048	Mechanical Engineering
33	YERRAMSETTI MAHESH BABU	U16ME052	Mechanical Engineering
34	REDDYVARI TEJESH	U16ME071	Mechanical Engineering
35	ABHIJITH A R	U16ME079	Mechanical Engineering
36	BEENAGONI ANILKUMAR	U16ME081	Mechanical Engineering
37	VEERANKI NAGA PRAMOD	U16ME084	Automobile Engineering
38	JABANESH SG	U17AM051	Automobile Engineering
39	LAWANBHA GYMPAD	U17AM701	Automobile Engineering
40	NEIKHOZO KHAMO	U17AM702	Automobile Engineering

41	SINGIREDDY HARSHITH REDY	U17AM703	Automobile Engineering
42	STEVE CASTONE CHYNE	U17AM704	Automobile Engineering
43	MUGILAN M	U16MT501	Mechatronics Engineering
44	VIGNESHWAR C B	U16MT502	Mechatronics Engineering
45	KARUPHIN KAWIN J	U16MT503	Mechatronics Engineering
46	CHANDRASEKAR D G	U16MT701	Mechatronics Engineering
47	CHIRANJEEVI A	U16MT702	Mechatronics Engineering
48	VIGNESH.A	U16MT703	Mechatronics Engineering



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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 : 21.06.2019

Event / Speaker Name : Value added Course on Mr. Arunida and Robotics
Dr. R. Venkatesh, Mr. N. Lenin Raju

- 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):

It very good, very interesting

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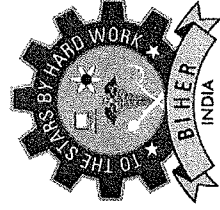
This certificate goes to

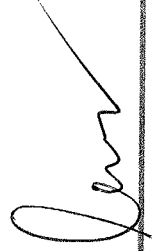
RAGUL KUMAR.G

for successfully completing the Value Added Course on
"The Arduino and Robotics" conducted by the School of
Mechanical Engineering during the month of June 2019.

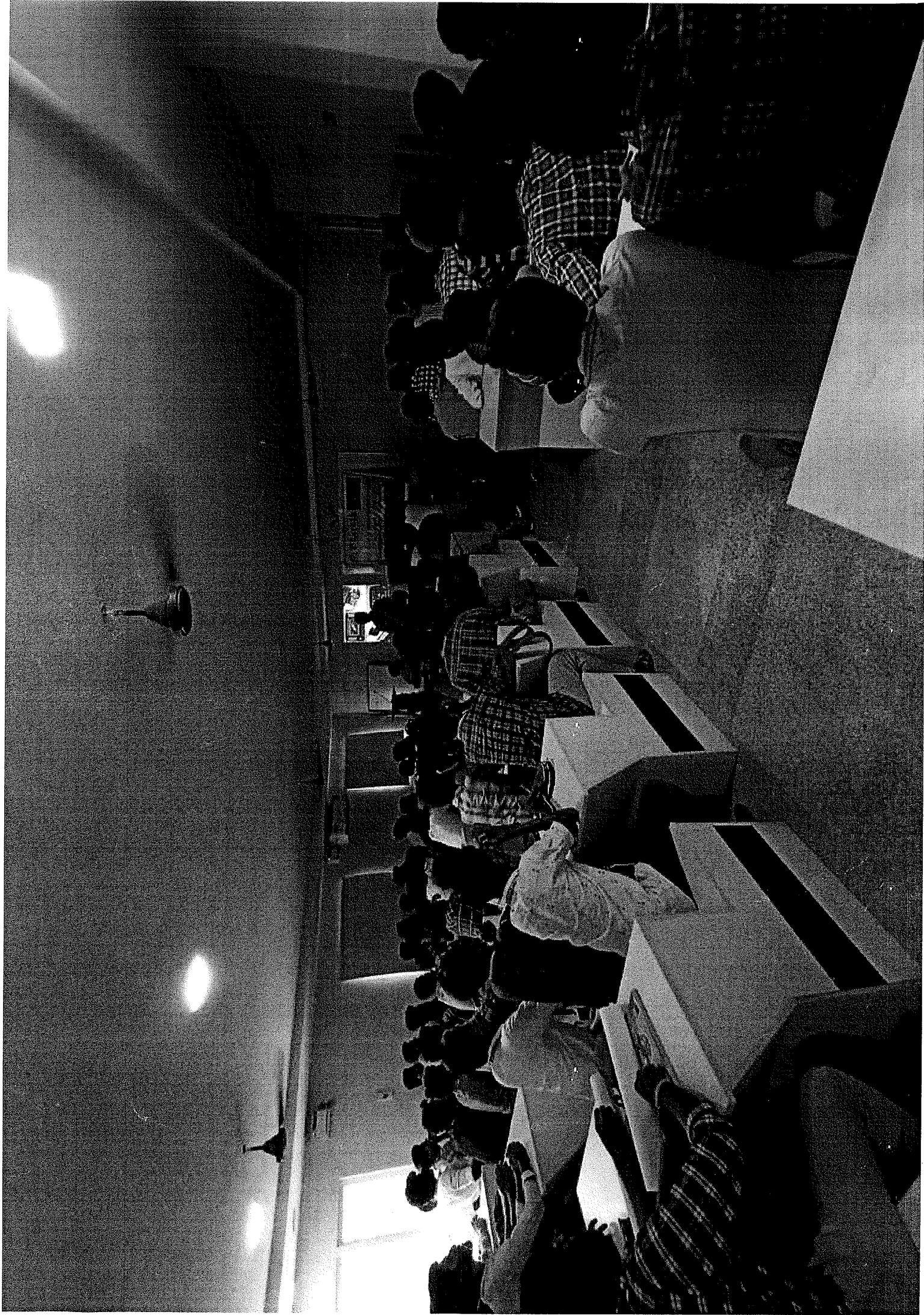


VAC CO-ORDINATOR





HOD MECHANICAL





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Requisition Letter

Date: 10.02.2020

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 12/02/2020 to 16/02/2020. In this regard we kindly request you to grant permission for the same.

Thanking You

HOD/MECH



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Date:10.02.2020

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 12.02.2020 to 16.02.2020 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

Mr.V.P.Durairaj



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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.



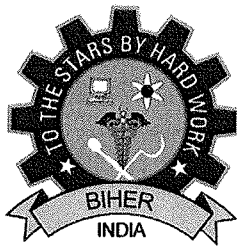
Department of Mechanical Engineering
One Week Value added Program on WORKING DRAWINGS AND PRESENTATION
TECHNIQUES.

Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 4:30 PM)
12.02.2020	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.
13.02.2020	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
14.02.2020	Mr.Manavalan Drawing & drafting of plan ; Beam layout & column layout.	Dr.S.THIRUMAVALAVAN Development of elevation; Horizontal & transversal sections.
15.02.2020	Dr.S.THIRUMAVALAVAN Details of stair case detailing of all drawings, lettering, dimension in Submission details.	Mr.Manavalan Presentation Techniques; Rendering & presentation techniques.
16.02.2020	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:

Mr.VP.Durairaj

Assistant Professor,



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Attendance sheet

S.No	Reg. No	Students Name	Department
1	U16ME066	VASANTH KUMAR R	Mechanical Engineering
2	U16ME078	KAMASANI SURESH	Mechanical Engineering
3	U16ME080	MAJID ALI	Mechanical Engineering
4	U16ME082	HARISH S	Mechanical Engineering
5	U16ME087	ANAND KUMAR .	Mechanical Engineering
6	U16ME093	MACHUNURU PRASAD KUMAR REDDY	Mechanical Engineering
7	U16ME094	GOPAL KUMAR .	Mechanical Engineering
8	U16ME520	PAVITHRAN OMEZHILAN	Mechanical Engineering
9	U16ME522	I S V SAI DATTHA SHARAN	Mechanical Engineering
10	U16ME572	RANJITH VIGNESHWAR A	Mechanical Engineering
11	U16ME602	SHAIK MAHAMMED HANEEF	Mechanical Engineering
12	U16ME603	SHAIK RIYAZ	Mechanical Engineering
13	U16ME026	VISHVAK R	Mechanical Engineering
14	U16ME042	MOURYA RAJ D	Mechanical Engineering
15	U16ME046	V. SIVASHANMUGAM V	Mechanical Engineering
16	U16ME050	VIKRAM SINGH	Mechanical Engineering
17	U16ME051	AFTAB ALAM	Mechanical Engineering
18	U16ME053	HARI HARAN S E	Mechanical Engineering
19	U16ME070	VEERAPANENI HARICHANDRA	Mechanical Engineering
20	U16ME072	KARRI PAVAN KUMAR .	Mechanical Engineering
21	U16ME501	BENDICT JOHN SMITH B	Mechanical Engineering
22	U16ME507	BHARGAV NELAKUDITI	Mechanical Engineering
23	U16ME512	POOVENDHAN S	Mechanical Engineering
24	U16ME517	SEYED AHAMED A R	Mechanical Engineering
25	U16ME519	RAJOSHIK ROY	Mechanical Engineering
26	U16ME521	CHENNAMREDDY SRINATH	Mechanical Engineering
27	U16ME719	NEHLANGKI SUIAM	Mechanical Engineering
28	U16ME019	SIDDARTH A	Mechanical Engineering
29	U16ME020	NISONAN N	Mechanical Engineering
30	U16ME021	RAJITH R C	Mechanical Engineering
31	U16ME022	SURIYA RAJ R	Mechanical Engineering
32	U16ME027	R.UDHAYA KUMAR R	Mechanical Engineering
33	U16ME044	DINESH C	Mechanical Engineering
34	U16ME045	MUSTAQA AHMED M	Mechanical Engineering

35	U16ME047	GOWTHAM S	Mechanical Engineering
36	U16ME048	HEMANTH RAJ R	Mechanical Engineering
37	U16ME052	SHRIKHANTH R	Mechanical Engineering
38	U16ME071	SANTHOSH R	Mechanical Engineering
39	U16ME136	MOHAMMED THAUFEEQ K	Mechanical Engineering
40	U16ME137	DINESHKUMAR S	Mechanical Engineering
41	U16ME141	DEJOEL HAROLD RAYMOND F	Mechanical Engineering
42	U16ME526	DANTLA GOWTHAM REDDY	Mechanical Engineering
43	U16ME527	ANANDHRAJ J	Mechanical Engineering
44	U16ME507	BHARGAV NELAKUDITI	Mechanical Engineering
45	U16ME571	YOGESH N	Mechanical Engineering
46	U16ME601	MOGHAL SAJEED BAIG	Mechanical Engineering
47	U16ME708	SURESH S	Mechanical Engineering
48	U16MT007	SATHIYASEELAN S	Mechatronics Engineering
49	U16MT008	RAKESH P	Mechatronics Engineering
50	U16MT009	ABDUL FAHEEM S	Mechatronics Engineering
51	U16MT010	SAKTHI R	Mechatronics Engineering
52	U16MT011	MELVINE ROHAN R	Mechatronics Engineering
53	U16AM007	SUNDARESWARAN B	Automobile Engineering
54	U16AM008	PALAPANDALA PRUDHVI	Automobile Engineering
55	U16AM009	THAMIM ANSARI K	Automobile Engineering
56	U16AM010	JAI KUMAR VERMA	Automobile Engineering

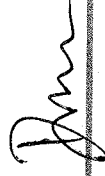
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CERTIFICATE OF PARTICIPATION

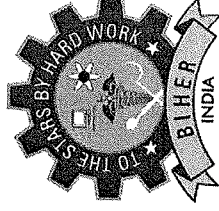
This certificate goes to

MOURYA RAY . D

for successfully completing the Value Added Course on
"Working Drawings and Presentation Techniques"
conducted by the School of Mechanical Engineering
during the month of Feb 2020.



VAC CO-ORDINATOR





HOD MECHANICAL

PHOTO

