



Bharath Institute of Higher Education and Research

[Declared Under Section 3 of UGC Act, 1956]

Chennai – 600 073

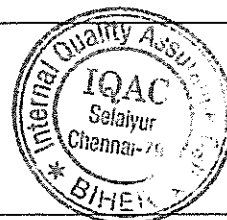
INTERNAL QUALITY ASSURANCE CELL (IQAC)

DOCUMENTS SUBMISSION FORM

Date of Submission	10/7/2018
Type of Documents	VALUE ADDED COURSE.
Description	4 - Days Value added Course in Arduino and Robotics.
Enclosures	a) Circular. b) Objective. c) Certificate d) Participants List e) Photos. f) Feedback forms g)
No. of Pages	08
Submitted By	Name : Dr. P. SENGOTTUVEL. Designation : PROFESSOR & HOD Department : MECHATRONICS. Signature :

For Office Use Only

Verified By:	M. K. SAKTHIVEL	Sign:	Date: 10/7/2018
Uploaded By:	Senthil Kumar K. S	Sign:	Date: 10/7/2018
File Name:	SMEC - MT - VC - 2018 - 19 - 001		



Director
IQAC - BIHER



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

Date: 01.07.2018

Department of Mechatronics

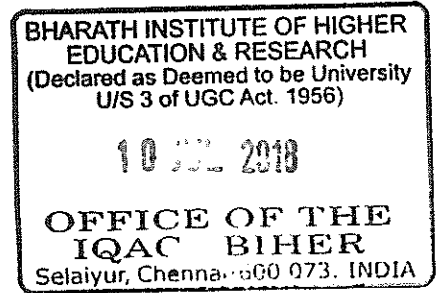
Circular

The Department of Mechatronics, BIHER is glad to conduct a 4 - day Value Added Program on “**Arduino & Robotics**” dated from 04.07.2018 for a period of 25 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. Shanthi lal
Skilled Teacher,
Jay Robotic tech-pvt Ltd-Tambaram



Maximum No. of registration Allowed – 40

***First come first serve basis.**

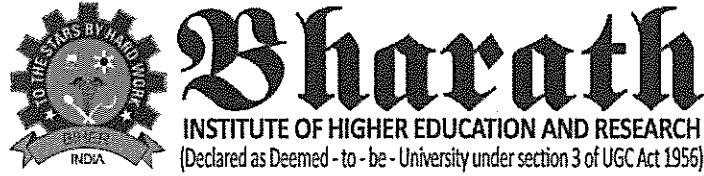
Program Coordinator:

Mrs.V.G.Vijaya
Assistant Professor
Mrs.G.Vasumathi
Assistant Professor,

E-Mail: vijayasaravan84@gmail.com@ / vasu.bala06@gmail.com

Mobile: 8870136732 / 9962133365

HOD



Department of Mechatronics

Arduino & 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.

[DAY: 1]

MODULE I Introduction to Arduino (5 Hrs)

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.

[DAY: 2]

MODULE II Basic Concepts of Arduino (5 Hrs)

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

[DAY: 3]

MODULE III Robotics Introduction (5 Hrs)

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

[DAY: 4]

MODULE IV Drives and control systems (5 Hrs)

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

Certificate

**BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF MECHATRONICS**

CERTIFICATE OF PARTICIPATION

This is to certify that

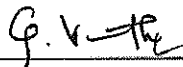
NATARAJAN M A

of **Bharath Institute of Science and Technology**

had attended the 5 day Value Added Program on "Arduino & Robotics"

organized by the Department of Mechatronics-

Bharath Institute of Higher Education and Research, Chennai on July (4-5,9-10) 2018.



Mrs.V.G.Vijaya Mrs.G.Vasumathi
Coordinators



Dr.P.Sengottuvel
Resource Person



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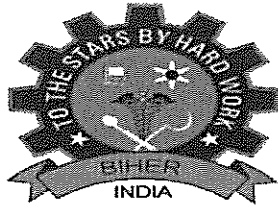
Department of Mechatronics

Value Added Course - Arduino & Robotics

PARTICIPANTS LIST

S.No	Reg.No	Name	Department
1.	U17AM013	SURAKANI PAVAN SAI .	Automobile Engineering
2.	U17AM014	KUMBHAR RAHUL	Automobile Engineering
3.	U17AM015	KUTHE SOURABH SURESH .	Automobile Engineering
4.	U17AM502	KISHORE C	Automobile Engineering
5.	U17AM503	VEERANKI NAGA PRAMOD	Automobile Engineering
6.	U17AM701	JABANESH SG	Automobile Engineering
7.	U17AM702	LAWANBHA GYMPAD .	Automobile Engineering
8.	U17MT001	PRASANNA KUMAR R	Mechatronics
9.	U17MT002	NATARAJAN M A	Mechatronics
10.	U17MT012	TAMILSELVAN A	Mechatronics
11.	U17MT013	ARUN KUMAR C K	Mechatronics
12.	U17MT014	MOHAN PIRASATH M	Mechatronics
13.	U17MT015	BAGIYARAJ D	Mechatronics
14.	U17MT026	MADUGULA BALACHANDRA	Mechatronics
15.	U17MT027	ALEX ANTO	Mechatronics
16.	U17MT052	SATHISH KUMAR S	Mechatronics
17.	U17MT056	SURYA PRAKASH N	Mechatronics
18.	U17MT057	SREE MUKESH R V	Mechatronics

19.	U17MT058	NAGARAJ P	Mechatronics
20.	U17ME001	MADHAVAN H	Mechanical Engineering
21.	U17ME006	STEPHEN CHITARANJAN B	Mechanical Engineering
22.	U17ME019	EDLA MANISH	Mechanical Engineering
23.	U17ME021	DARAM PRITHVI RAJ .	Automobile Engineering
24.	U17ME035	DAMARLA SAI SANTHOSH .	Automobile Engineering
25.	U17ME036	FEROZ AKHTAR M A	Automobile Engineering
26.	U17ME038	HARIRAM K	Automobile Engineering
27.	U17ME045	JEYABHARATHI R	Mechanical Engineering
28.	U17ME047	THIRUGNANA SAMMANDAM R	Mechanical Engineering
29.	U17ME056	KAMPARAJU RAM SRINIVAS RAJU .	Mechanical Engineering
30.	U17ME059	BALAJI P	Mechanical Engineering
31.	U17ME062	PAKAM SARATH KUMAR .	Mechanical Engineering
32.	U17ME066	YETTELLA BHUVANESWARA REDDY .	Mechanical Engineering
33.	U17ME068	CHALLA GIREESH	Mechanical Engineering
34.	U17ME069	VEMPULURU RAKESH	Mechanical Engineering
35.	U17ME001	MADHAVAN H	Mechanical Engineering
36.	U17ME006	STEPHEN CHITARANJAN B	Mechanical Engineering
37.	U17ME019	EDLA MANISH	Mechanical Engineering
38.	U17ME021	DARAM PRITHVI RAJ .	Mechanical Engineering
39.	U17ME035	DAMARLA SAI SANTHOSH .	Mechanical Engineering
40.	U17ME036	FEROZ AKHTAR M A	Mechanical Engineering

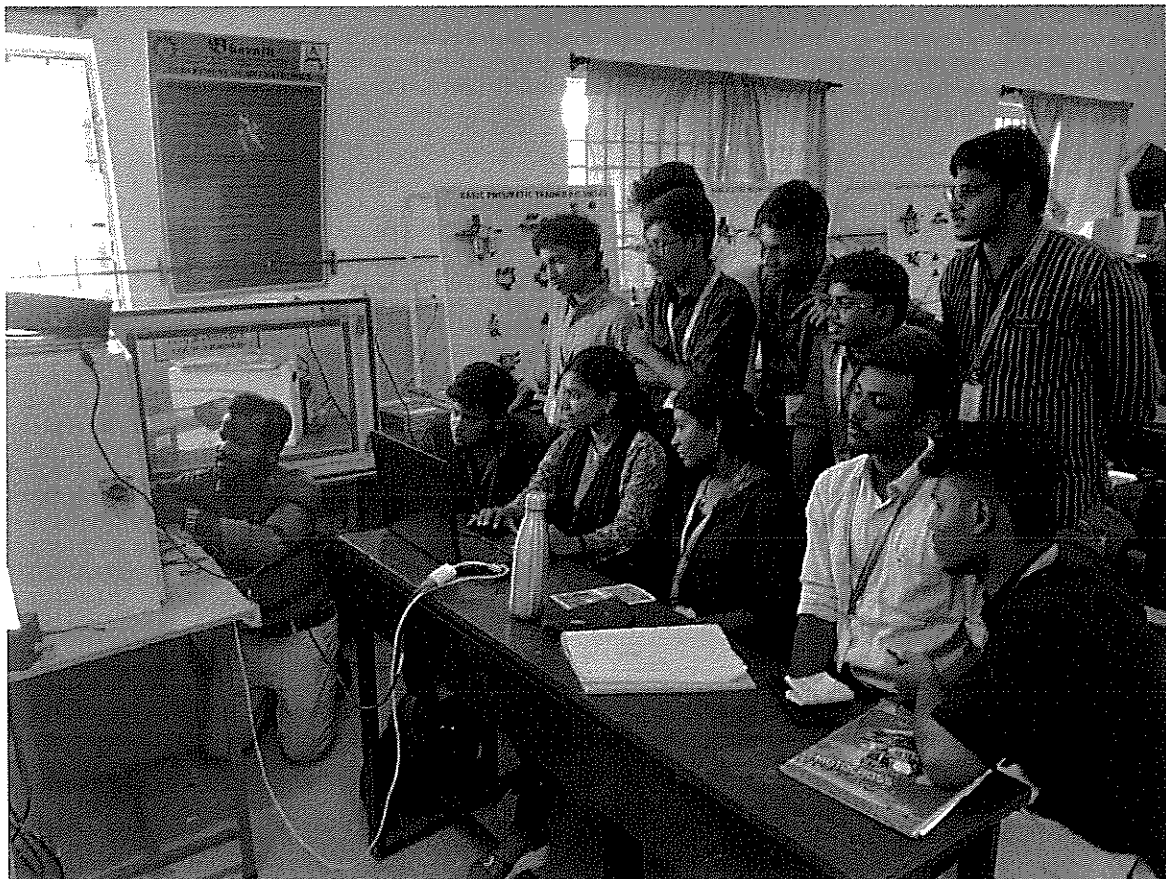


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Department of Mechatronics

Value Added Course – Arduino & Robotics





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**BHARATH INSTITUTE OF SCIENCE &
TECHNOLOGY**

Selaiyur, Chennai - 73.

DEPARTMENT OF MECHATRONICS

VALVE ADDED COURSE
FEEDBACK FORM

Date: 07/07/18.

NAME	U17ME038 / HARIRAM.K				
REGISTER.NO	U17ME038.				
COURSE TITLE	Arduino & Robotics				
	POOR	FAIR	GOOD	VERY GOOD	EXCELLENT
OVERALL PROGRAM					✓
THE SPEAKER				✓	
AUDIO,VISIAL AIDS,TECHNOLOGY USED				✓	
PRESENTATION HAND OUTS				✓	

K. Hariram

STUDENT SIGNATURE



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**BHARATH INSTITUTE OF SCIENCE &
TECHNOLOGY**

Selaiyur, Chennai - 73.

DEPARTMENT OF MECHATRONICS

VALVE ADDED COURSE
FEEDBACK FORM

Date: 07/07/2018

NAME	KISHORE.C				
REGISTER.NO	U17AM502				
COURSE TITLE	Arduino & Robotics				
	POOR	FAIR	GOOD	VERY GOOD	EXCELLENT
OVERALL PROGRAM				✓	
THE SPEAKER					✓
AUDIO,VISIAL AIDS,TECHNOLOGY USED				✓	
PRESENTATION HAND OUTS					✓

Kishore.C.
STUDENT SIGNATURE



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Chennai – 600 073

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INTERNAL QUALITY ASSURANCE CELL (IQAC) DOCUMENTS SUBMISSION FORM

Date of Submission	27/7/2018
Type of Documents	Value Added Course Program Report
Description	Data management
Enclosures	a) Requisition Letter
	b) Circular
	c) Curriculum
	d) Schedule
	e) Attendance Sheet
	f) Feedback Form
	g) Certificate
	h) Image
No. of Pages	13
Submitted By	Name : Mr. V. P. Durairaj
	Designation : Asst Professor
	Department : Mechanical
	Signature : [Signature]

For Office Use Only

Verified By:	Dr. N. S. Senthilur	Sign: [Signature]	Date: 28/7/2018
Uploaded By:		Sign:	Date:
File Name:			

IQAC - BIHER



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Requisition Letter

Date: 25.06.2018

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 “Data Management” from 16/07/2018 to 23/07/2018. In this regard we kindly request you to grant permission for the same.


HOD/MECH

Thanking You


Dean Engineering
DEAN (Engineering)
Bharath Institute of Science & Technology
BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH
(Declared as Deemed to be University U/S 3 of UGC Act, 1956)
Selaiyur, Chennai-600 073.



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Date: 25.06.2018

Department of Mechanical Engineering

Circular

The Department of Mechanical Engineering, BIHER is glad to conduct five days value added course entitled “*Data management*” from 16.07.2018 to 23.07.2018 for 30 hours. Those who are interested to participate do register your name to the program coordinator.

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

Resource person: Mr.S.Thirumavalavan and Mr.S.Nakkeeran

Maximum no. of registration allowed – 60.

Program coordinator


Mr.V.P.Durairaj


Mr.R J Golden Renjith Nimal



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Department of Mechanical Engineering

Skill Development on Data Management

Data Management

Objective

To equip students with cutting edge knowledge about processes to capture, store, retain and extract data in modern corporations = to equip students with the basics of SQL and associated data extraction languages

Module 1 (5 Hours)

RDBMS Concepts - Tables, Rows, Fields, Data Types - Data Normalization - Database design - Create, Alter and Drop Database - Create, Alter and Drop Table

Module 2 (8 Hours)

Data Loading - Inserting Records Update/Modify Data - Select queries - Aggregations - Joins - Inner/Outer - Built-In functions - Create and use Views - Temporary Tables - Unions - Subqueries/Nested queries - Performance Tuning

Module 3 (12 Hours)

What is Data Warehousing? - Types of Data Warehouse - General Stages in Data Warehouse - Importance of Data Warehouse in Enterprises - Characteristics of Data Warehouse - Components of Data Warehouse - Data Warehouse Terminology and Concepts - Three-tier Architecture - Data Warehouse Best Practices - Process Overview - Steps in ETL - ETL Tools - Overview - ETL vs ELT

Module 4 (15 Hours)

Data Models - Concepts, Overview - Introduction to OLAP - Types of OLAP Systems
Basic Analytical Operations in OLAP - OLTP vs OLAP - Differences - Elements of Dimensional Data Model - Steps of Dimensional Modelling - Types of Schema - What is a Data Mart? - Need for a Data Mart

- Types of Data Mart - Implementation Steps - Data Mart Vs Data - Warehouse - Differences - What is a Data Lake - Necessity of a Data Lake - Key Concepts of Data Lake - Data Lake vs Data Warehouse - What is BI? - Importance of BI - DW and BI Tools today



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Department of Mechanical Engineering

One Week Value added Program on Data Management 16th July to 23th July 2018

Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 3:30 PM)
16 – 07 – 2018 (Monday)	Program Inauguration Mr.S.Thirumavalavan RDBMS Concepts - Tables, Rows, Fields, Data Types - Data Normalization - Database design - Create, Alter and Drop Database - Create, Alter and Drop Table	Mr.S.Nakkeeran To equip students with cutting edge knowledge about processes to capture, store, retain and extract
17 – 07 – 2018 (Tuesday)	Mr.S.Nakkeeran extract data in modern corporations = to equip students with the basics of SQL and associated data extraction languages.	Mr.S.Thirumavalavan Concepts - Tables, Rows, Fields, Data Types - Data Normalization - Database design - Create, Alter and Drop Database - Create, Alter and Drop Table
18 – 07 – 2018 (Wednesday)	Mr.S.Thirumavalavan Data Loading - Inserting Records Update/Modify Data - Select queries -Aggregations - Joins - Inner/Outer - Built-In functions - Create and use Views - Temporary Tables - Unions - Subqueries/Nested queries	Mr.S.Nakkeeran What is Data Warehousing? - Types of Data Warehouse - General Stages in Data Warehouse - Importance of Data Warehouse in Enterprises - Characteristics of Data Warehouse - Components of Data
19 – 07 – 2018 (Thursday)	Mr.S.Nakkeeran Temporary Tables, Rows, Fields, Data Types - Data Normalization - Database design - Create, Alter and Drop Database - Create, Alter and Drop Table temporary tables are there	Mr.S.Thirumavalavan Warehouse - Components of Data Warehouse - Data Warehouse Terminology and Concepts - Three-tier Architecture - Data Warehouse Best Practices - Process Overview - Steps in ETL
20 – 07 – 2018 (Friday)	Mr.S.Thirumavalavan Necessity of a Data Lake - Key Concepts of Data Lake - Data Lake vs Data Warehouse - What is BI? - Importance of BI - DW and BI Tools today	Mr.S.Nakkeeran Basic Analytical Operations in OLAP - OLTP vs OLAP - Differences - Elements of Dimensional Data Model - Steps of Dimensional Modelling - Types of Schema - What is a Data Mart? - Need for a Data
23 – 07 – 2018 (Monday)	Mr.S.Nakkeeran - Implementation Steps - Data Mart Vs Data - Warehouse - Differences - What is a Data Lake - Necessity of a Data Lake - Key Concepts of Data Lake - Data Lake vs Data Warehouse - What is BI? - Importance of BI - DW and BI Tools today	Mr.S.Thirumavalavan General Stages in Data Warehouse - Importance of Data Warehouse in Enterprises - Characteristics of Data Warehouse - Components of Data

Program Coordinator:

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

Assistant Professor,

E-Mail: vpdurairaj57@gmail.com

goldenrenjith.mech@bharathuniv.ac.in



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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 : 02/07/2018

Event / Speaker Name : Data Management

- 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):

More Course Needed



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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 : Data Management

Event / Speaker Name : 2-07-2018

- 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 for this
type of value added courses



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FEEDBACK FORM

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Name of Department : Mechanical Engineering

Date : 02.07.2018

Event / Speaker Name : Data Management

- 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):

More course Needed

Bharath Institute of Higher Education and Research

CERTIFICATE OF PARTICIPATION

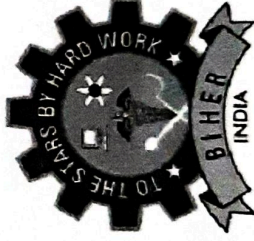
This certificate goes to

R. Parthiban

for successfully completing the Value Added Course on
"DATA MANAGEMENT" conducted by the School of
Mechanical Engineering during the month of July 2018.

Vij

VAC CO-ORDINATOR



[Signature]
HOD MECHANICAL



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Attendance sheet

S.No	Name	Register No.	Department
1	ABDULKALAM B	U15ME001	Mechanical Engineering
2	AJAY YADAV	U15ME009	Mechanical Engineering
3	ALTAF HUSAIN	U15ME015	Mechanical Engineering
4	ANKIT PAL	U15ME019	Mechanical Engineering
5	AVULA GURUNATH	U15ME033	Mechanical Engineering
6	AVULA SAIRAM	U15ME034	Mechanical Engineering
7	BADAGALA RAVITEJA	U15ME035	Mechanical Engineering
8	BALAJI S	U15ME036	Mechanical Engineering
9	DONTHINA MOHAN VENKAT .	U15ME055	Mechanical Engineering
10	ESAKKI P	U15ME057	Mechanical Engineering
11	GEESURU AKSHITH REDDY .	U15ME063	Mechanical Engineering
12	GEORGE VINSER A	U15ME064	Mechanical Engineering
13	GIMKALA NAVEEN KUMAR .	U15ME065	Mechanical Engineering
14	HARI HARAN J	U15ME080	Mechanical Engineering
15	JAINU SAI RAM .	U15ME081	Mechanical Engineering
16	JAVID AMEEN A	U15ME083	Mechanical Engineering
17	JAYVIMALRAJA P R	U15ME085	Mechanical Engineering
18	JOHNSON J J	U15ME088	Mechanical Engineering
19	chaithu CHAITANYA	U15ME117	Mechanical Engineering
20	MADDI SRIRAGHU VAMSI .	U15ME118	Mechanical Engineering
21	MADHANRAJ T	U15ME119	Mechanical Engineering
22	MAJJI RAVITEJA	U15ME120	Mechanical Engineering
23	MD AFROZ ALAM	U15ME131	Mechanical Engineering
24	MD ANAYATHULLAH AFSAR	U15ME132	Mechanical Engineering
25	MD ARMAN KHAN .	U15ME133	Mechanical Engineering
26	MD ASIF IQUBAL .	U15ME134	Mechanical Engineering
27	MD JAHANGIR KHNA .	U15ME135	Mechanical Engineering
28	MEKALA VENKATESH	U15ME136	Mechanical Engineering
29	MRIGEN ROY	U15ME147	Mechanical Engineering
30	MUNGARA MADINI BABU .	U15ME150	Mechanical Engineering
31	MURUGESAN M	U15ME151	Mechanical Engineering
32	NARALA MANOHAR REDDY .	U15ME154	Mechanical Engineering
33	NAVNISH KUMAR SRIVASTAV	U15ME161	Mechanical Engineering
34	NEELAM RAJ KUMAR .	U15ME162	Mechanical Engineering
35	PARANI SUNDAR L	U15ME169	Mechanical Engineering

36	PARIPALLI SWAMY	U15ME170	Mechanical Engineering
37	PARTHIBAN R	U15ME171	Mechanical Engineering
38	PRANAV HEMACHANDRAN	U15ME178	Mechanical Engineering
39	PRANAV J	U15ME179	Mechanical Engineering
40	PRATIK KUMAR .	U15ME180	Mechanical Engineering
41	PRAVEEN RACKSON R	U15ME181	Mechanical Engineering
42	PRAVIN KUMAR V	U15ME182	Mechanical Engineering
43	KAMESH R	U15ME707	Mechanical Engineering
44	SELWYN SIMMONS J	U15ME708	Mechanical Engineering
45	RAGHUL S	U15ME190	Mechanical Engineering
46	RAHUL ROY	U15ME191	Mechanical Engineering
47	RAVI KUMAR V	U15ME202	Mechanical Engineering
48	SATHISHKUMAR S	U15ME211	Mechanical Engineering
49	VISWESWARA REDDY S	U15ME212	Mechanical Engineering
50	SABEEL BASHA M	U15ME213	Mechanical Engineering
51	AJITH S	U15MT001	Mechatronics Engineering
52	BALAJI N	U15MT002	Mechatronics Engineering
53	INAYAT ULLA RABBANI	U15MT003	Mechatronics Engineering
54	INAYATHULLA A	U15MT004	Mechatronics Engineering
55	ABHIJIT ARYA	U15AM001	Automobile Engineering
56	ABISHEK RAJAGOPAL	U15AM002	Automobile Engineering
57	ASWIN S	U15AM004	Automobile Engineering
58	BHARANIDHARAN C	U15AM005	Automobile Engineering



Bharath Institute of Higher Education and Research

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Chennai - 600 073

3

INTERNAL QUALITY ASSURANCE CELL (IQAC)

DOCUMENTS SUBMISSION FORM

Date of Submission	14-08-2018
Type of Documents	Value Added Course Program Report
Description	Design Fundamentals
Enclosures	a) Requestion Letter
	b) Circular
	c) Curriculum
	d) Schedule
	e) Attendance Sheet
	f) Feedback form
	g) Certificate
	h) Image
No. of Pages	13
Submitted By	Name : Mr. S. Thirumavalavan
	Designation : Asst Professor
	Department : Mechanical
	Signature : S. Thirumavalavan

For Office Use Only

Verified By:	Dr. N. S. SENTHUR	Sign: [Signature]	Date: 17.08.2018
Uploaded By:		Sign:	Date:
File Name:			

IQAC - BIHER



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Requisition Letter

Date: 01.08.2018

From

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

To

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

Respected Sir,

Sub: Requisition for conducting Value added course – reg.

School of Mechanical Sciences has planned to conduct Value added course entitled “Design Fundamentals” on 06/08/2018 to 13.08.2018. In this regard we kindly request you to grant permission for the same.

Thanking You


HOD/MECH


Dean Engineering
DEAN (Engineering)
Bharath Institute of Science & Technology
BARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH
(Declared as Deemed to be University U/S 3 of UGC Act, 1956)
Selayur, Chennai-600 073.



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

Date: 01.08.2018

Department of Mechanical Engineering

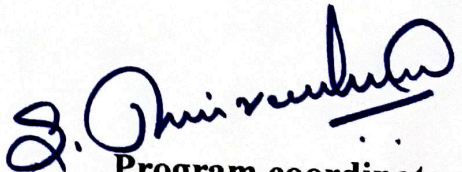
Circular

The of Department of Mechanical Engineering, BIHER is glad to conduct five days value added course entitled “*Design Fundamentals*” from 06.08.2018 to 13.08.2018 for 30 hours. Those who are interested to participate do register your name to the program coordinator.

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

Resource person: Mr.K.Selvakumar and Mr.R.Hariharan

Maximum no. of registration allowed – 60.


Program coordinator

Mr.S.Thirumavalavan

Mr.V.P.Durairaj



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Department of Mechanical Engineering

Design Fundamentals

OBJECTIVE:

- The aim of the subject is to provide make the students to understand the Design Fundamentals.
- To understand elements and principles of art and design
- Develop an understanding of the application of art principles in design composition of traditional and contemporary architecture, textiles and interior design.

MODULE 1

Design definition and types (structural & decorative). Elements and design :point ,line,shape,form

Light:characterstics and classification.

Study of colours :classification ,dimensions ,colour schemes and effect.

(10Hrs) [DAY: 1]

[DAY: 2]

Contrast & Harmony ,Figure: ground relationship, grouping of figures, elements by spatial tension & likeness basis , Unity in diversity or variety , Balance ,Movement ,Proportion or scale , Rhythm . Dominance or subordination

[DAY: 3]

Historical Evolution of Art Primitive, classic, modern art movements and evolution.

MODULE II

Understand elements and principles of art and design, learn to appreciate art, Develop an understanding to the application of art principles in design composition of traditional and contemporary art, architecture and textiles.

in interior design. Develop skill in creating designs and making art objects.

(5 Hrs)

[DAY: 4]

MODULE III

[DAY: 5]

To learn the technical skills to present drawing to impress the clients. • To know the concept of designing 2
3d views of the furniture & rooms.

(10 Hrs)

MODULE IV

[DAY: 6]

(5 Hrs)

To Practically understand the function of important building materials • Their quality perception and their
various application and use at work sites



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Department of Mechanical Engineering
One Week Value added Program on "Design Fundamentals" 6th to 13th Aug 2018

Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 3:30 PM)
06 – 08 – 2018 (Monday)	Program Inauguration Mr.K.Selvakumar Design definition and types (structural & decorative)	Mr.R.Hariharan Light: characteristics and classification.
07 – 08 – 2018 (Tuesday)	Mr.R.Hariharan Study of colours : classification, dimensions, colour schemes and effect.	Mr.K.Selvakumar Contrast & Harmony, Figure: ground relationship, grouping of figures.
08 – 08 – 2018 (Wednesday)	Mr.K.Selvakumar Historical Evolution of Art Primitive, classic, modern art movements and evolution.	Mr.R.Hariharan Understand elements and principles of art and design, learn to appreciate art
09 – 08 – 2018 (Thursday)	Mr.R.Hariharan Develop an understanding to the application of art principles in design composition of traditional and contemporary art, architecture and textiles in interior design.	Mr.K.Selvakumar Develop skill in creating designs and making art objects.
10 – 08 – 2018 (Friday)	Mr.K.Selvakumar technical skills to present drawing to impress the clients	Mr.R.Hariharan concept of designing 2d & 3d views of the furniture & rooms.
13 – 08 – 2018 (Monday)	Mr.R.Hariharan Practically understand the function of important building materials	Mr.K.Selvakumar quality perception and their various application and use at work sites <i>Quiz/ Feedback / valedictory Session</i>

Program Coordinator:

Assistant Professor,

Mr.S.Thirumavalavan Mr.V.P.Durairaj

E-Mail: vpdurairaj57@gmail.com

goldenrenjith.mech@bharathuniv.ac.in



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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 Engg.
Date : 6.08.2018
Event / Speaker Name : Design fundamentals.

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

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

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

1. Below Average	2. Average	3. Good	4. Excellent	5. Outstanding
			<input checked="" type="checkbox"/>	

- Comments (If any):

More knowledge sharing.

Bharath Institute of Higher Education and Research

CERTIFICATE OF PARTICIPATION

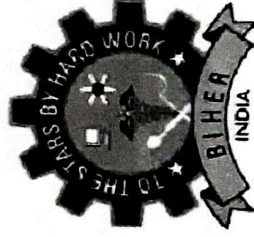
This certificate goes to

C. Dinesh

for successfully completing the Value Added Course on
"DESIGN FUNDAMENTALS" conducted by the School of
Mechanical Engineering during the month of Aug 2018.

Chinnabhai Viji

VAC CO-ORDINATOR



HOD MECHANICAL



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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3

Attendance sheet

S.No	Name	Register No.	Department
1	AVULA GURUNATH	U15ME033	Mechanical Engineering
2	AVULA SAIRAM	U15ME034	Mechanical Engineering
3	BHARATH KUMAR S	U15ME042	Mechanical Engineering
4	BODDA DINESH	U15ME044	Mechanical Engineering
5	BUDDANAGARI RAGHAVENDER REDDY .	U15ME045	Mechanical Engineering
6	DASARI SURYA RAMANJANEYULU .	U15ME047	Mechanical Engineering
7	DEVA D	U15ME049	Mechanical Engineering
8	DHANUSH NARAYANAN M	U15ME051	Mechanical Engineering
9	DINESH C	U15ME052	Mechanical Engineering
10	DINESHKUMAR S	U15ME053	Mechanical Engineering
11	DONTHINA MOHAN VENKAT .	U15ME055	Mechanical Engineering
12	ESAKKI P	U15ME057	Mechanical Engineering
13	ESWAR K	U15ME058	Mechanical Engineering
14	PADALA ROHITH GOUD .	U15ME503	Mechanical Engineering
15	RAJAVELU CHERVAI R	U15ME508	Mechanical Engineering
16	GERSHOM SATHYADEV S	U15ME510	Mechanical Engineering
17	BONAM SHANMUKA NAGA	U15ME511	Mechanical Engineering
18	VISHAL S	U15ME516	Mechanical Engineering
19	PRAVEEN KUMAR M	U15ME519	Mechanical Engineering
20	SAJJATH C	U15ME521	Mechanical Engineering
21	SRIKRISHNA S	U15ME524	Mechanical Engineering
22	GAMBALI SANTHAN	U15ME060	Mechanical Engineering
23	GANESH KUMAR E.A	U15ME061	Mechanical Engineering
24	GEESURU AKSHITH REDDY .	U15ME063	Mechanical Engineering
25	GEORGE VINSER A	U15ME064	Mechanical Engineering
26	GIMKALA NAVEEN KUMAR .	U15ME065	Mechanical Engineering
27	GOBIANANTH P	U15ME066	Mechanical Engineering
28	GOKULAKRISHNAN D	U15ME067	Mechanical Engineering
29	GOLLAPROLU SRINUVAS	U15ME068	Mechanical Engineering
30	GOLLAVILLI MOHAN KUMAR .	U15ME069	Mechanical Engineering
31	GURAJALA SATISH VARMA .	U15ME070	Mechanical Engineering
32	GURRAMPATI NIRANJAN REDDY .	U15ME071	Mechanical Engineering
33	GUTURU SATWICK	U15ME072	Mechanical Engineering
34	HARIHARAN G	U15ME073	Mechanical Engineering
35	HULENDRA KUMAR .	U15ME077	Mechanical Engineering

36	INDELA VAMSI KRISHNA REDDY .	U15ME078	Mechanical Engineering
37	ISRAFIL ALI	U15ME079	Mechanical Engineering
38	HARI HARAN J	U15ME080	Mechanical Engineering
39	JAINU SAI RAM .	U15ME081	Mechanical Engineering
40	JAVID AMEEN A	U15ME083	Mechanical Engineering
41	JAYVIMALRAJA P R	U15ME085	Mechanical Engineering
42	JOHNSON.J J	U15ME088	Mechanical Engineering
43	KAIPU JAYAPRAKASHREDDY	U15ME089	Mechanical Engineering
44	KARRI YASWANTH SRINIVAS .	U15ME095	Mechanical Engineering
45	KARTHICK V	U15ME096	Mechanical Engineering
46	KARTHIK R	U15ME097	Mechanical Engineering
47	KAVALI SAI KUMAR .	U15ME100	Mechanical Engineering
48	KAVIN L	U15ME101	Mechanical Engineering
49	KISHOREKUMAR B	U15ME104	Mechanical Engineering
50	GIRIDAAR A	U15AM006	Automobile Engineering
51	EDULA VISHNU GOVARDHAN REDDY	U15AM007	Automobile Engineering
52	GANNI VINEETH SREE SAI	U15AM008	Automobile Engineering
53	KARTHIGAYAN P	U15MT005	Mechatronics Engineering
54	MOHAMMED IDRIS S	U15MT007	Mechatronics Engineering
55	OVIAN NICHOLAS	U15MT008	Mechatronics Engineering



Bharath Institute of Higher Education and Research

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Chennai - 600 073

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INTERNAL QUALITY ASSURANCE CELL (IQAC)

DOCUMENTS SUBMISSION FORM

Date of Submission	05/09/2018
Type of Documents	Value Added Course
Description	Principles of Micro-Economics
Enclosures	a) Requestion letter
	b) circulars
	c) Curriculum
	d) Schedule
	e) Attendance sheet
	f) Feed back
	g) Certificate
	h) Photo image
No. of Pages	13
Submitted By	Name : 13 Mr. Arun V. Raju
	Designation : Assistant professor
	Department : Mechanical
	Signature :

For Office Use Only

Verified By:	Dr. N. S. SENTHUR	Sign:	Date: 07/09/2018
Uploaded By:		Sign:	Date:
File Name:			

IQAC - BIHER



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INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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Requisition Letter

Date: 29.08.2018

From

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

To

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

Respected Sir,

Sub: Requisition for conducting Value added course – reg.

School of Mechanical Sciences has planned to conduct Value added course on “ Principle of Microeconomic on 03/09/2018. In this regard we kindly request you to grant permission for the same.

Thanking You

HOD/MECH

Dean Engineering

DEAN (Engineering)
Bharath Institute of Science & Technology
BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH
(Declared as Deemed to be University U/S 3 of UGC Act. 1956)
Selaiyur, Chennai-600 073.



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INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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Date: 29.08.2018

Department of Mechanical Engineering

Circular

The of Department of Mechanical Engineering, BIHER glad to conduct on five days value added program on "*Principle of Microeconomics*" from 03.09.2018 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.Sabarish and Mr.V.P.Durairaj

Maximum no. of registration Allowed – 60.

***First come first serve basis.**

Program coordinator

Dr.D.Ravi

Mr. Arun V Rajus Kumar



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

Department of Mechanical Engineering

One Week Value added Program on "~~Skill Development on Principle of~~ Microeconomics" 3rd to 10th Sep 2018

Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 3:30 PM)
03 – 09 – 2018 (Monday)	Mr.R.Sabarish 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.	Mr.V.P.Durairaj 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
04 – 09 – 2018 (Tuesday)	Mr.R.Sabarish 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.	Mr.V.P.Durairaj The consumption decision - budget constraint, consumption and income/price changes, demand for all other goods and price changes; description of preferences
05 – 09 – 2018 (Wednesday)	Mr.R.Sabarish properties of indifference curves; consumer's optimum choice; income and substitution effects; Hicksian and Slutsky method of decomposition, labour supply and savings decision	Mr.V.P.Durairaj Slutsky method of decomposition, labour supply and savings decision - choice between leisure and consumption, the theory of revealed preference
06 – 09 – 2018 (Thursday)	Mr.R.Sabarish Coordinate system, Drafting, Modeling., Design need and requirements, Importance of Parametric constraints, Types of cad software and their features, Necessity of cad cam integration.	Mr.V.P.Durairaj Creating and Editing features, Sheet metal components, Surface modeling, Designing. Developing parametric modeling, Behavioral modeling, and Mechanism simulation.
07 – 09 – 2018 (Friday)	Mr.R.Sabarish Slutsky method of decomposition, labour supply and savings decision - choice between leisure and consumption, the theory of revealed preference	Mr.V.P.Durairaj Programming sequence, formats, different codes, canned cycles. Absolute and incremental programming. Tool nose radius compensation (G41/42). Cutting tool materials, cutting tool geometry
10 – 09 – 2018 (Saturday)	Mr.R.Sabarish 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	Mr.V.P.Durairaj the basic competitive model; prices, property rights and profits; incentives and information; rationing; opportunity sets; economic systems; reading and working with graphs.

Program Coordinator:

Assistant Professor,

Mr. Arun V. Rejus Kumar, Dr.D.Ravi

E-Mail: vpdurairaj57@gmail.com



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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 : 3/9/2018

Event / Speaker Name : Principles of Microeconomics

- 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 for our career, I learn Economics



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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 : 3.09.2018

Event / Speaker Name : Principles of Microeconomics

- 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 personally Learn about
economics very quickly

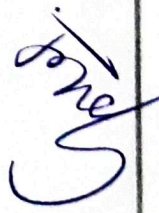
Bharath Institute of Higher Education and Research

CERTIFICATE OF PARTICIPATION

This certificate goes to

D. LOKESH

for successfully completing the Value Added Course on
"PRINCIPLES OF MICRO-ECONOMICS" conducted by
the School of Mechanical Engineering during the month
of September 2018.



VAC CO-ORDINATOR




HOD MECHANICAL



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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Attendance sheet

S.No	Name	Register No.	Department
1	ASWIN M	U15ME031	Mechanical Engineering
2	ATHKEM NARENDRA GOUD .	U15ME032	Mechanical Engineering
3	AVULA GURUNATH	U15ME033	Mechanical Engineering
4	AVULA SAIRAM	U15ME034	Mechanical Engineering
5	BADAGALA RAVITEJA	U15ME035	Mechanical Engineering
6	BALAJI S	U15ME036	Mechanical Engineering
7	BASAVA GANESH REDDY .	U15ME039	Mechanical Engineering
8	BHARATH KUMAR R	U15ME041	Mechanical Engineering
9	BHARATH KUMAR S	U15ME042	Mechanical Engineering
10	BODDA DINESH	U15ME044	Mechanical Engineering
11	BUDDANAGARI RAGHAVENDER REDDY .	U15ME045	Mechanical Engineering
12	DASARI SURYA RAMANJANEYULU .	U15ME047	Mechanical Engineering
13	KAIPU JAYAPRAKASHREDDY	U15ME089	Mechanical Engineering
14	KARRI YASWANTH SRINIVAS .	U15ME095	Mechanical Engineering
15	KARTHICK V	U15ME096	Mechanical Engineering
16	KARTHIK R	U15ME097	Mechanical Engineering
17	KAVALI SAI KUMAR .	U15ME100	Mechanical Engineering
18	KAVIN L	U15ME101	Mechanical Engineering
19	KISHOREKUMAR B	U15ME104	Mechanical Engineering
20	KORADA PRAVEEN KUMAR .	U15ME106	Mechanical Engineering
21	KORLAM SAI NARASIMHA GOUTHAM .	U15ME107	Mechanical Engineering
22	NARINA PRABHU TEJA .	U15ME159	Mechanical Engineering
23	NAVEEN KUMAR JANGHEL	U15ME160	Mechanical Engineering
24	NAVNISH KUMAR SRIVASTAV	U15ME161	Mechanical Engineering
25	NEELAM RAJ KUMAR .	U15ME162	Mechanical Engineering
26	NEERAJ KUMAR .	U15ME163	Mechanical Engineering
27	POTNURU SATISH	U15ME175	Mechanical Engineering
28	PRABAKARAN A	U15ME176	Mechanical Engineering
29	RITESH KUMAR CHAUDHARY	U15ME206	Mechanical Engineering
30	RIZWAN KHAN	U15ME207	Mechanical Engineering
31	SATHISHKUMAR S	U15ME211	Mechanical Engineering
32	VISWESWARA REDDY S	U15ME212	Mechanical Engineering
33	SABEEL BASHA M	U15ME213	Mechanical Engineering
34	SAI PRASAD YANAMANDRA .	U15ME215	Mechanical Engineering
35	SALAPAKA PRAMOD MOURYA .	U15ME216	Mechanical Engineering
36	SONU KUMAR KUSHWAHA	U15ME237	Mechanical Engineering

37	AMIT KUMAR .	U15ME319	Mechanical Engineering
38	KODALI DINESH BABU .	U15ME718	Mechanical Engineering
39	DINESH KUMAR M	U15ME719	Mechanical Engineering
40	LOKESH D	U15ME720	Mechanical Engineering
41	KUMARESH V	U15ME721	Mechanical Engineering
42	PANDRAJU SAI KRISHNA .	U15ME722	Mechanical Engineering
43	GRANDHI RANGA LOKESH .	U15ME724	Mechanical Engineering
44	SAYANTI MAJUMDER	U15ME725	Mechanical Engineering
45	NIRMAL KUMAR P	U15ME729	Mechanical Engineering
46	ELANGO VAN M	U15ME732	Mechanical Engineering
47	GOKULPRASHANTH V	U15AM009	Automobile Engineering
48	HASHIM JAWAD MELEDATH	U15AM010	Automobile Engineering
49	INNAMULHASAN S	U15AM011	Automobile Engineering
50	MANIKANDAN A	U15AM012	Automobile Engineering
51	MARIA SUBITCHAM VINITH N	U15AM013	Automobile Engineering
52	MATHAN KUMAR S	U15AM014	Automobile Engineering
53	TADIKONDA SAI TEJA	U15MT010	Mechatronics Engineering
54	VIJAY S	U15MT011	Mechatronics Engineering
55	MOHAMMED MOIDEEN RIYAZ M	U15MT012	Mechatronics Engineering
56	RAJ KUMAR M B	U15MT013	Mechatronics Engineering
57	PADIYACHI MONISH DANASEKAR	U15MT014	Mechatronics Engineering
58	NAREN KUMAR	U15MT501	Mechatronics Engineering



Bharath Institute of Higher Education and Research

[Declared Under Section 3 of UGC Act, 1956]

Chennai - 600 073

5

INTERNAL QUALITY ASSURANCE CELL (IQAC)

DOCUMENTS SUBMISSION FORM

Date of Submission	9/10/2018
Type of Documents	Value Added Course Program Report.
Description	Urban Economics
Enclosures	a) Requestion Letter
	b) Circular
	c) Curriculum
	d) Schedule
	e) Attendance Sheet
	f) Feedback Form
	g) Certificate
	h) Image
No. of Pages	13
Submitted By	Name : Mr. Ravi.D
	Designation : Assit Professor
	Department : Mechanical
	Signature : P. Ravi

For Office Use Only

Verified By:	Dr. N. C. SENTHUR	Sign: [Signature]	Date: 10/10/2018
Uploaded By:		Sign:	Date:
File Name:			

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5

Requisition Letter

Date: 25.09.2018

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.

The Department of Mechanical Engineering has planned to conduct Value added course entitled “Urban Economics” from 1.10.2018 to 08.10.2018 . In this regard we kindly request you to grant permission for the same.

Thanking You

HOD/MECH

Dean Engineering

DEAN (Engineering)
Bharath Institute of Science & Technology
BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH
(Declared as Deemed to be University U/S 3 of UGC Act. 1956)
Selaiyur, Chennai-600 073.



Date: 25.09.2018

Department of Mechanical Engineering

Circular

The of Department of Mechanical Engineering, BIHER is glad to conduct five days value added course entitled "*Urban Economics*" from 01.10.2018 to 08.10.2018 for 30 hours. Those who are interested to participate do register your name to the program coordinator.

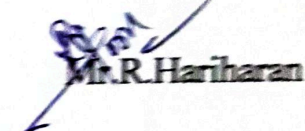
The registered students must attend all the classes without fail. Students who have completed the course successfully with good score will get the course completion certificate from the institute/Department.

Resource person: Mr.N.Lenin Rakesh and Mr.R.Sabarish

Maximum no. of registration Allowed – 60.

Program coordinator


Mr.D.Ravi,


Mr.R.Hariharan



Bharath

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

Department of Mechanical Engineering

Urban Economies

OBJECTIVE:

The course provides a fundamental understanding about the major principles and theories, which tend to govern the flow of trade in goods, services and capital at the global level. This course will lay down foundation for the advance courses taught at master's level at various universities

MODULE 1 (10Hrs) [DAY: 1]

Mercantilist doctrine of balance of trade - Adam Smith and absolute advantage theory of trade

- Ricardo and comparative advantage, its limitations - production possibility curve -

Community indifference curve - Gain from trade - Offer curve - Determination of international equilibrium

[DAY: 2]

Different concepts of terms of trade - Factors affecting terms of trade. Heckscher Ohlin Model - Stolper-Samuelson Theorem - Rybczynski Theorem - definitions of factor abundance - relationship between factor prices and commodity prices - Factor price equalisation theorem - Factor intensity reversal - the Leontief Paradox.

[DAY: 3]

Other alternative explanations of the basis of trade in terms of technological lead, domestic market size and product cycle approach - Linder's hypothesis - Intra-industry trade.

MODULE II (5 Hrs)

The rationale of tariffs, quotas and subsidies - infant industry argument - tariffs and factor income distribution - - tariffs, terms of trade and domestic prices - the optimum tariff rate - tariffs, subsidies and distortions in commodity and factor markets - effective rate of protection

[DAY: 4]

MODULE III

[DAY: 5] (10 Hrs)

Welfare implications of tariffs – Non-tariff barriers. Effects of quotas and other quantitative restrictions – tariffs versus quotas.

MODULE IV

[DAY: 6] (5 Hrs)

Other alternative explanations of the basis of trade in terms of technological lead, domestic market size and product cycle approach – Linder's hypothesis – Intra-industry trade



Department of Mechanical Engineering
One Week Value added Program on "Skill Development on Urban Economiccs"
1st to 8th Oct 2018

Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 3:30 PM)
01 – 10 – 2018 (Monday)	Program Inauguration Mr.N.Lenin Rakesh Mercantilist doctrine of balance of trade - Adam Smith and absolute advantage theory of trade	Mr.R.Sabarish Gain from trade - Offer curve - Determination of international equilibrium
02 – 10 – 2018 (Tuesday)	Mr.R.Sabarish Different concepts of terms of trade	Mr.N.Lenin Rakesh Factors affecting terms of trade.
03 – 10 – 2018 (Wednesday)	Mr.N.Lenin Rakesh Heckscher Ohlin Model - Stolper-Samuelson Theorem – Rybczynski Theorem - definitions of factor abundance .-Relationship between factor prices and commodity prices - Factor price equalisation theorem - Factor intensity reversal - the Leontief Paradox.	Mr.R.Sabarish Relationship between factor prices and commodity prices - Factor price equalisation theorem - Factor intensity reversal - the Leontief Paradox.
04 – 10 – 2018 (Thursday)	Mr.R.Sabarish Other alternative explanations of the basis of trade in terms of technological lead, domestic market size and product cycle approach – Linder's hypothesis – Intra-industry trade.	Mr.N.Lenin Rakesh Welfare implications of tariffs – Non-tariff barriers

05 – 10 – 2018 (Friday)	Mr.N.Lenin Rakesh Effects of quotas and other quantitative restrictions – tariffs versus quotas.	Mr.R.Sabarish Welfare implications of tariffs – Non-tariff barriers. Effects of quotas and other quantitative restrictions – tariffs versus quotas.
06 – 10 – 2018 (Monday)	Mr.R.Sabarish Relationship between factor prices and commodity prices - Factor price equalisation theorem - Factor intensity reversal - the Leontief Paradox	Mr.N.Lenin Rakesh Gain from trade - Offer curve - Determination of international equilibrium <i>Quiz/ Feedback / valedictory Session</i>

Program Coordinator:

Mr.D.Ravi, Mr.R.Harinaran

Assistant Professor,

E-Mail: vpdurairaj57@gmail.com

goldenrenjith.mech@bharathuniv.ac.in



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 : 10/10/2018
Event / Speaker Name : Urban 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):

Excellent Program



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FEEDBACK FORM

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

Name of Department : Mechanical

Date : 10.10.2018

Event / Speaker Name : Orphan Economics

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

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

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

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

- Comments (If any):

Very Good

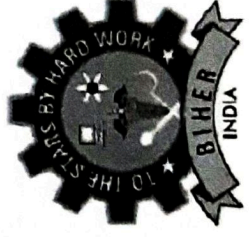
Bharath Institute of Higher Education and Reseaarch

CERTIFICATE OF PARTICIPATION

This certificate goes to

T. MADHAN RAJ

for successfully completing the Value Added Course on
"URBAN ECONOMICS" conducted by the School of
Mechanical Engineering during the month of Oct 2018.



A handwritten signature in blue ink, appearing to read 'S. S. S.', is written over a horizontal line.

VAC CO-ORDINATOR

A handwritten signature in blue ink, appearing to read 'S. S. S.', is written over a horizontal line.

HOD MECHANICAL



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Attendance sheet

S.No	Name	Register No.	Department
1	ASHISH PATEL	U15ME027	Mechanical Engineering
2	ASWIN GOPI	U15ME029	Mechanical Engineering
3	ASWIN M	U15ME031	Mechanical Engineering
4	ATHKEM NARENDRA GOUD .	U15ME032	Mechanical Engineering
5	AVULA GURUNATH	U15ME033	Mechanical Engineering
6	AVULA SAIRAM	U15ME034	Mechanical Engineering
7	BADAGALA RAVITEJA	U15ME035	Mechanical Engineering
8	BALAJI S	U15ME036	Mechanical Engineering
9	BASAVA GANESH REDDY .	U15ME039	Mechanical Engineering
10	GEESURU AKSHITH REDDY .	U15ME063	Mechanical Engineering
11	GEORGE VINSER A	U15ME064	Mechanical Engineering
12	GIMKALA NAVEEN KUMAR .	U15ME065	Mechanical Engineering
13	GOBIANANTH P	U15ME066	Mechanical Engineering
14	GOKULAKRISHNAN D	U15ME067	Mechanical Engineering
15	GOLLAPROLU SRINUVAS	U15ME068	Mechanical Engineering
16	GOLLAVILLI MOHAN KUMAR .	U15ME069	Mechanical Engineering
17	GURAJALA SATISH VARMA .	U15ME070	Mechanical Engineering
18	MADDI SRIRAGHU VAMSI .	U15ME118	Mechanical Engineering
19	MADHANRAJ T	U15ME119	Mechanical Engineering
20	MAJJI RAVITEJA	U15ME120	Mechanical Engineering
21	MANDLA MAHESH	U15ME121	Mechanical Engineering
22	MANIPATRUNI BHARATH KUMAR .	U15ME123	Mechanical Engineering
23	MANISH KUMAR .	U15ME124	Mechanical Engineering
24	GANESH RAM N G	U15ME604	Mechanical Engineering
25	MARUTHUPANDIYAN A	U15ME128	Mechanical Engineering
26	MD AFROZ ALAM	U15ME131	Mechanical Engineering
27	MD ANAYATHULLAH AFSAR	U15ME132	Mechanical Engineering
28	MD ARMAN KHAN .	U15ME133	Mechanical Engineering
29	NAVNISH KUMAR SRIVASTAV	U15ME161	Mechanical Engineering
30	NEELAM RAJ KUMAR .	U15ME162	Mechanical Engineering
31	NEERAJ KUMAR .	U15ME163	Mechanical Engineering
32	PARTHIBAN R	U15ME171	Mechanical Engineering
33	PARUPALLI ADITHYA	U15ME172	Mechanical Engineering
34	PITCHIKA JYOTHI SWAROOP .	U15ME174	Mechanical Engineering
35	POTNURU SATISH	U15ME175	Mechanical Engineering
36	PRABAKARAN A	U15ME176	Mechanical Engineering

37	PRABU G	U15ME177	Mechanical Engineering
38	PRANAV HEMACHANDRAN	U15ME178	Mechanical Engineering
39	RAJAGURU D	U15ME195	Mechanical Engineering
40	RAJESHKANNA P	U15ME196	Mechanical Engineering
41	RAJIV RANJAN SINGH .	U15ME197	Mechanical Engineering
42	RAMAN BALASUBRAMANIAN S R	U15ME199	Mechanical Engineering
43	SAYYED ANSAR BASHA .	U15ME226	Mechanical Engineering
44	SETTI TEJESWARA RAO .	U15ME228	Mechanical Engineering
45	SHAIK MARIF	U15ME229	Mechanical Engineering
46	SHANKAR A	U15ME231	Mechanical Engineering
47	SRIRAM K	U15ME240	Mechanical Engineering
48	SARVESH R	U15ME242	Mechanical Engineering
49	SUBODH KUMAR CHAUDHARY	U15ME243	Mechanical Engineering
50	SUDHAKAR.M .	U15ME244	Mechanical Engineering
51	MUGHIL VERMA	U15MT503	Mechatronics Engineering
52	NEELAM SRIKANTH	U15MT702	Mechatronics Engineering
53	MOHANAKUMARESAN B	U15MT703	Mechatronics Engineering
54	HARI PRASATH V K	U15MT704	Mechatronics Engineering
55	JAI HARISH M	U15MT705	Mechatronics Engineering
56	MOHAMED ASHIF M	U15AM015	Automobile Engineering
57	MOHAMMED VASIM A	U15AM016	Automobile Engineering
58	MUTUM NAOBA SINGH	U15AM017	Automobile Engineering
59	NELLUBALLI CHAITANYA REDDY	U15AM018	Automobile Engineering



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[Declared Under Section 3 of UGC Act, 1956]

Chennai – 600 073

INTERNAL QUALITY ASSURANCE CELL (IQAC) DOCUMENTS SUBMISSION FORM

Date of Submission	15/11/2018
Type of Documents	Value Added Course Program Report
Description	organisation and management has in sports
Enclosures	a) Requestion Letter
	b) Circular
	c) Curriculum
	d) Schedule
	e) Attendance Sheet
	f) Feedback Form
	g) Certificate
	h) Image
No. of Pages	13
Submitted By	Name : Mr. V.P. Durairaj
	Designation : Assit Proufessor
	Department : Mechanical
	Signature :

For Office Use Only

Verified By:	Dr. N. S. SENTHUR	Sign:	Date: 17/11/2018
Uploaded By:		Sign:	Date:
File Name:			

IQAC - BIHER



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Requisition Letter

Date: 01.11.2018

From

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

To

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

Respected Sir,

Sub: Requisition for conducting Value added course – reg.

Department of Mechanical Engineering has planned to conduct Value added course entitled "**Organisation and Management in Sports**" from 05/11/2018 to 12.11.2018. In this regard we kindly request you to grant permission for the same.

Thanking You

HOD/MECH

Dean Engineering
DEAN (Engineering)
Bharath Institute of Science & Technology
BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH
(Declared as Deemed to be University U/S 3 of UGC Act. 1956)
Selaiyur, Chennai-600 073.



Date: 01.11.2018

Department of Mechanical Engineering

Circular

The Department of Mechanical Engineering, BIHER is glad to conduct five days value added program entitled "*Organisation and Management in Sports*" from 05.11.2018 to 12.08.2018 for 30 hours. Those who are interested to participate do register your name to the program coordinator.

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

Resource person: Mr.Arun.V Rejuskumar and Dr.D.Ravi

Maximum no. of registration Allowed – 60.

Program coordinator


Mr.V.P.Durairaj


Mr.R J Golden Renjith Nimal



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INSTITUTE OF HIGHER EDUCATION AND RESEARCH

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Department of Mechanical Engineering

Organisation and Management in Sports

Course Contents

1. Concept of Organisational Behaviour: Meaning of O.B., Contributing Disciplines to O.B, Individual Behaviour – Ability, Learning, Values, Attitudes, Personality, Perceptions.
2. Organisation Structure: Meaning of Organisation Structure, Types of Organisation Structure, Flat Organisations, Tall Organisations, Reporting Relationship, Channels of Communication, Organisation Structure as Applied to Sports Organizations.
3. Decision Making Process: Individual Decision Making, Rational Decision Making, Decision making Styles, Creativity in Decision Making, Participative Decision Making, Group decision Making.
4. Leadership : What is Leadership, Trait Theories of Leadership, Leadership Styles, How Leaders influence People, Fiedler Model, Trust and Leadership. Improving Leadership Effectiveness.
5. Group and Teams : Meaning of a Group, Group Dynamics, Group Cohesiveness, Types of Groups, Task Groups, Work Teams, Nature of Teams, Team Building, Group/Teams Effectiveness, How to Make Teams More Effective.
6. Conflict: Definition of Conflict, Stages in Conflict Process , Functional Conflict, Dysfunctional Conflict, Managing Conflict, Negotiation.
7. Managing For High Performance: High Performance Work Practices, Goal Setting, Performance Management Techniques Associated with Goal Setting, Application of Goal Setting to Organisational Performance.
8. Management of Sports: Management of Sporting and Recreation Organisation, Decision process and Leadership in Sports Management, Delivery of Recreation Services, Impact of Organisational Process on Individual.

Suggested Readings

1. Fred Luthans - Organizational Behaviour : McGraw Hill Internatyional
2. S P Robins - Organizational Behaviour : Prentice Hall India Ltd.
3. Ghanekar - Organizational Behaviour Concept & Cases : EPH



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Department of Mechanical Engineering
One Week Value added Program on “Organisation and Management in Sports”
5th to 12th Nov 2018

Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 3:30 PM)
05 – 11 – 2018 (Monday)	Dr.D.Ravi Concept of Organisational Behaviour: Meaning of O.B., Contributing Disciplines to O.B, Individual Behaviour – Ability, Learning, Values, Attitudes, Personality, Perceptions.	Mr.Arun.V Rejuskumar Organisation Structure: Meaning of Organisation Structure, Types of Organisation Structure, Flat Organisations, Tall Organisations, Reporting Relationship
06 – 11 – 2018 (Tuesday)	Mr.Arun.V Rejuskumar Types of Organisation Structure, Flat Organisations, Tall Organisations, Reporting Relationship, Channels of Communication, Organisation Structure as Applied to Sports Organizations.	Dr.D.Ravi Decision Making Process: Individual Decision Making, Rational Decision Making, Decision making Styles, Creativity in Decision Making, Participative Decision Making, Group decision Making
07 – 11 – 2018 (Wednesday)	Dr.D.Ravi Various sports elements of turning Milling machines/Machining centres and their constructional features. Differentiate between conventional and machines. Illustrate the working principle and operation of C machine.	Mr.Arun.V Rejuskumar Structure of part programme and preparation of part programme for various machining operations such as milling, drilling and turning and their simulation with software.
08 – 11 – 2018 (Thursday)	Mr.Arun.V Rejuskumar Concept of Organisational Behaviour: Meaning of O.B., Contributing Disciplines to O.B, Individual Behaviour – Ability, Learning, Values, Attitudes, Personality, Perceptions	Dr.D.Ravi Creating and Editing features, Sheet metal components, Surface modeling, Designing. Developing parametric modeling, Behavioral modeling, and Mechanism simulation.
09 – 11 – 2018 (Friday)	Dr.D.Ravi Leadership : What is Leadership, Trait Theories of Leadership, Leadership Styles, How Leaders influence People, Fiedler Model, Trust and Leadership. Improving Leadership Effectiveness.	Mr.Arun.V Rejuskumar Management of Sports: Management of Sporting and Recreation Organisation, Decision process and Leadership in Sports Management, Delivery of creation.

12 - 11 - 2018 (Monday)	Mr.Arun.V Rejuskumar Group and Teams : Meaning of a Group, Group Dynamics, Group Cohesiveness, Types of Groups, Task Groups, Work Teams, NatTeams, Team Building, Group/Teams Effectiveness	Dr.D.Ravi Managing For High Performance: High Performance Work Practices, Goal Setting, Performance Management with Goal Setting, Application of Goal Setting
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Program Coordinator:

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

Assistant Professor,

E-Mail: vpdurairaj57@gmail.com

goldenrenjith.mech@bharathuniv.ac.in



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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 :5.11.2018.....

Event / Speaker Name :Organization and Management of Sports.....

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

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

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

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

- Comments (If any):

NOW MY SPORTS CARRIES IMPROVED



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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 Engineering.

Date : 5.10.2018

Event / Speaker Name : Organization and Management of Sports

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

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

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

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

- Comments (If any): These value added Courses are very good and informative & helpful for career.

Bharath Institute of Higher Education and Research

CERTIFICATE OF PARTICIPATION

This is certify that

V. P R A T H A N

has participated in the Value Added Course titled "Organisation and Management of Sports" conducted by the School of Mechanical Engineering during the month of November 2018.

VJ

VAC CO-ORDINATOR



[Signature]

HOD MECHANICAL



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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
34	U16ME048	HEMANTH RAJ R	Mechanical Engineering

35	U16ME052	SHRIKHANTH R	Mechanical Engineering
36	U16ME071	SANTHOSH R	Mechanical Engineering
37	U16ME079	MOHAMMED SHAJI B	Mechanical Engineering
38	U16ME081	MUKANTHAN T	Mechanical Engineering
39	U16ME084	SAMPADARAO ASHOK	Mechanical Engineering
40	U16ME088	GODWIN PRABHU G	Mechanical Engineering
41	U16ME108	YERRAMSETTI MAHESH BABU .	Mechanical Engineering
42	U16ME114	REDDYVARI TEJESH	Mechanical Engineering
43	U16ME123	ABHIJITH A R	Mechanical Engineering
44	U16ME137	DINESHKUMAR S	Mechanical Engineering
45	U16ME141	DEJOEL HAROLD RAYMOND F	Mechanical Engineering
46	U16ME142	JARUPULA REVANTH KUMAR	Mechanical Engineering
47	U16ME502	JULIAN NIRMAL R	Mechanical Engineering
48	U16ME503	ARAVIND M	Mechanical Engineering
49	U16ME526	DANTLA GOWTHAM REDDY	Mechanical Engineering
50	U16ME527	ANANDHRAJ J	Mechanical Engineering
51	U16ME571	YOGESH N	Mechanical Engineering
52	U16ME601	MOGHAL SAJEED BAIG	Mechanical Engineering
53	U16ME712	SURENDAR D	Mechanical Engineering
54	U16MT001	PRADEEPAN S	Mechatronics Engineering
55	U16MT002	RAAHUL GANESH R	Mechatronics Engineering
56	U16MT003	DINESH J	Mechatronics Engineering
57	U16AM001	RAMACHANDRAN M	Automobile Engineering
58	U16AM002	LIBIN BOBBY	Automobile Engineering

Feedback Form



Bharath Institute of Higher Education and Research

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Chennai – 600 073

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INTERNAL QUALITY ASSURANCE CELL (IQAC)

DOCUMENTS SUBMISSION FORM

Date of Submission	16.12.2018
Type of Documents	Value Added Course Program Report
Description	Managing and Promoting Sports Events
Enclosures	a) Requestion Letter
	b) Circular
	c) Curriculum
	d) Schedule
	e) Attendance Sheet
	f) Feedback Form
	g) Certificate
	h) Image
No. of Pages	13
Submitted By	Name : Mr. R.J. Golden Rengish Nimal
	Designation : Asst Professor
	Department : Mechanical
	Signature :

For Office Use Only

Verified By:	Dr. N. S. SENTHUR	Sign:	Date: 17.12.2018
Uploaded By:		Sign:	Date:
File Name:			

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Requisition Letter

Date: 12.11.2018

From

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

To

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

Respected Sir,

Sub: Requisition for conducting Value added course – reg.

Department of Mechanical Engineering has planned to conduct Value added course entitled “Managing and Promoting Sports Events” from 10/12/2018 to 15.12.2018. In this regard we kindly request you to grant permission for the same.

Thanking You

HOD/MECH

Dean Engineering

DEAN (Engineering)
Bharath Institute of Science & Technology
BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH
(Declared as Deemed to be University U/S 3 of UGC Act. 1956)
Selaiyur, Chennai-600 073.



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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Date: 16.11.2018

Department of Mechanical Engineering

Circular

Department of Mechanical Engineering, BIHER is glad to conduct five days value added program entitled "*Managing and Promoting Sports Events*" from 10.12.2018 to 15.12.2018 for 30 hours. Those who are interested to participate do register your name to the program coordinator.

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

Resource person: Mr.S.Thirumavalavan and Mr. R J Golden Renjith Nimal

Maximum no. of registration Allowed – 60.

Program coordinator

Mr.R J Golden Renjith Nimal



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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Department of Mechanical Engineering

Managing and Promoting Sports Events

OBJECTIVE:

- The aim of the subject is to provide make the students to understand the Managing and Promoting Sports Events.

CASE STUDY AND PRESENTATION – Promoting national & International Sporting events.
Importance of IMC in promoting Sports Events Successfully., Role of Advertising, PR etc.

MODULE 1

(10Hrs)

[DAY: 1]

INTRODUCTION- Definition, Scope of Event management, Risk & Safety measures.

[DAY: 2]

MANAGING SPORTING EVENTS- Planning, Organizing, Coordinating and Controlling Pre events, During the Events & Post Events issues.

[DAY: 3]

WORLD OF SPORTS EVENT MANAGEMENT- Sponsors, Sports Management Companies, Spectators, Sports personalities, Media etc.

MODULE II

(5 Hrs)

[DAY: 4]

SPORTS MANAGEMENT COMPANIES- Introduction, Role, Scope of Work, Service rendered to the client, Ways of Functioning- Team work, Departments etc.

MODULE III

[DAY: 5]

(10 Hrs)

CAREER OPPORTUNITY IN SPORTS MANAGEMENT COMPANIES

MODULE IV

[DAY: 6]

(5 Hrs)

CASE STUDY AND PRESENTATION – Promoting national & International Sporting events. Importance of IMC in promoting Sports Events Successfully., Role of Advertising, PR etc.

CASE STUDY AND PRESENTATION- Managing Sporting Bodies , Associations-AIFF, IFA, BCCI,CAB, LEARNING INDIAN FOOTBALL CLUBS etc.



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Department of Mechanical Engineering
One Week Value added Program on "Managing and promoting Sports Events" 2nd
Dec to 15th Dec 2018

Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 3:30 PM)
09 – 12 – 2018 (Wednesday)	Program Inauguration Mr.S.Thirumavalavan Definition, Scope of Event management, Risk & Safety measures.	Mr. R J Golden Renjith Nimal Planning, Organizing, Coordinating and Controlling Pre events, During the Events & Post Events issues.
10 – 12 – 2018 (Thursday)	Mr. R J Golden Renjith Nimal Sponsors, Sports Management Companies, Spectators ,Sports personalities, Media etc.	Mr.S.Thirumavalavan Introduction, Role, Scope of Work, Service rendered to the clients, Ways of Functioning- Team work, Departments etc.
11 – 12 – 2018 (Friday)	Mr.S.Thirumavalavan Promoting national & International Sporting events. Importance of IMC in promoting Sports Events Successfully., Role of Advertising, PR etc.	Mr. R J Golden Renjith Nimal Managing Sporting Bodies , Associations- AIFF, IFA, BCCI,CAB, LEANING INDIAN FOOTBALL CLUBS etc.
12 – 12 – 2018 (Saturday)	Mr. R J Golden Renjith Nimal Planning, Organizing, Coordinating and Controlling Pre events, During the Events & Post Events issues.	Mr.S.Thirumavalavan Definition, Scope of Event management, Risk & Safety measures.
14 – 12 – 2018 (Monday)	Mr.S.Thirumavalavan Introduction, Role, Scope of Work, Service rendered to the clients, Ways of Functioning- Team work, Departments etc.	Mr. R J Golden Renjith Nimal Sponsors, Sports Management Companies, Spectators ,Sports personalities, Media etc.
15 – 12 – 2018 (Tuesday)	Mr. R J Golden Renjith Nimal Managing Sporting Bodies , Associations-AIFF, IFA, BCCI,CAB, LEANING INDIAN FOOTBALL CLUBS etc.	Mr.S.Thirumavalavan Promoting national & International Sporting events. Importance of IMC in promoting Sports Events Successfully., Role of Advertising, PR etc. <i>Quiz/ Feedback / valedictory Session</i>

Program Coordinator:

Mr.R J Golden Renjith Nimal

Assistant Professor,

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



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 : 10.12.2018

Event / Speaker Name : Managing and Promoting 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				<input checked="" type="checkbox"/>	<input type="checkbox"/>
	The choice of topic was relevant to me					<input type="checkbox"/>
2.	The Lecturer / Speaker					<input type="checkbox"/>
	Self-confidence				<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Communication skills					<input type="checkbox"/>
	Doubts/ queries were answered satisfactorily					<input type="checkbox"/>
3.	The Content (Topic)					<input type="checkbox"/>
	Refers to latest developments in the field					<input type="checkbox"/>
	Career oriented					<input type="checkbox"/>
	Innovative learning, if any					<input type="checkbox"/>

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

1. Below Average	2. Average	3. Good	4. Excellent	5. Outstanding
				<input checked="" type="checkbox"/>

- Comments (If any):

Very Informative.



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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 : 10.12.2016

Event / Speaker Name : Managing and Promoting Sports Events

- 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):

Some type of course Repeat Again.

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH

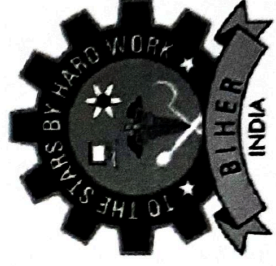
This is to certify presented to :

ANISH A.S.

Has participated in the Value Added Course titled "Managing and Promoting Sports Events" conducted by the School of Mechanical Engineering during the month of December 2018.



VAC CO-ORDINATOR





HOD MECHANICAL



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Attendance sheet

S.No	Name	Register No.	Department
1	AKASH M	U15ME010	Mechanical Engineering
2	AKIRI VENKATESH	U15ME011	Mechanical Engineering
3	AMBATI ADI ESWAR REDDY .	U15ME016	Mechanical Engineering
4	ANISH A S	U15ME018	Mechanical Engineering
5	ARVINDH V	U15ME026	Mechanical Engineering
6	ASHISH PATEL	U15ME027	Mechanical Engineering
7	ASWIN GOPI	U15ME029	Mechanical Engineering
8	BADAGALA RAVITEJA	U15ME035	Mechanical Engineering
9	BALAJI S	U15ME036	Mechanical Engineering
10	BASAVA GANESH REDDY .	U15ME039	Mechanical Engineering
11	BHARATH KUMAR R	U15ME041	Mechanical Engineering
12	PADALA ROHITH GOUD .	U15ME503	Mechanical Engineering
13	RAJAVELU CHERVAI R	U15ME508	Mechanical Engineering
14	SAJJATH C	U15ME521	Mechanical Engineering
15	SRIKRISHNA S	U15ME524	Mechanical Engineering
16	GAMBALI SANTHAN	U15ME060	Mechanical Engineering
17	GOLLAPROLU SRINUVAS	U15ME068	Mechanical Engineering
18	GOLLAVILLI MOHAN KUMAR .	U15ME069	Mechanical Engineering
19	GURAJALA SATISH VARMA .	U15ME070	Mechanical Engineering
20	JOHNSON.J J	U15ME088	Mechanical Engineering
21	KAIPU JAYAPRAKASHREDDY	U15ME089	Mechanical Engineering
22	KARRI YASWANTH SRINIVAS .	U15ME095	Mechanical Engineering
23	KARTHICK V	U15ME096	Mechanical Engineering
24	KORLAM SAI NARASIMHA GOUTHAM	U15ME107	Mechanical Engineering
25	KRISHNAMPETA GIRIDHAR	U15ME108	Mechanical Engineering
26	MANDLA MAHESH	U15ME121	Mechanical Engineering
27	MANIPATRUNI BHARATH KUMAR .	U15ME123	Mechanical Engineering
28	MANISH KUMAR .	U15ME124	Mechanical Engineering
29	MD AFROZ ALAM	U15ME131	Mechanical Engineering
30	MD ANAYATHULLAH AFSAR	U15ME132	Mechanical Engineering
31	NARENDRULA SHASHANK	U15ME157	Mechanical Engineering
32	NARINA PRABHU TEJA .	U15ME159	Mechanical Engineering
33	NAVEEN KUMAR JANGHEL	U15ME160	Mechanical Engineering
34	NAVNISH KUMAR SRIVASTAV	U15ME161	Mechanical Engineering
35	PARIPALLI SWAMY	U15ME170	Mechanical Engineering

36	PARTHIBAN R	U15ME171	Mechanical Engineering
37	PARUPALLI ADITHYA	U15ME172	Mechanical Engineering
38	SATHISH M	U15ME703	Mechanical Engineering
39	RAVI RANJAN KUMAR .	U15ME204	Mechanical Engineering
40	REGI JAMES J	U15ME205	Mechanical Engineering
41	SABEEL BASHA M	U15ME213	Mechanical Engineering
42	SAI PRASAD YANAMANDRA .	U15ME215	Mechanical Engineering
43	SHANKAR A	U15ME231	Mechanical Engineering
44	YETHULA KUMAR RAJA	U15ME273	Mechanical Engineering
45	YOGARAJ R	U15ME274	Mechanical Engineering
46	ZAMEERUL HAQUE	U15ME275	Mechanical Engineering
47	NAVEEN KUMAR MORLA	U15ME276	Mechanical Engineering
48	BADAVATH NAKUL	U15ME277	Mechanical Engineering
49	ABHISHEK KUMAR .	U15ME278	Mechanical Engineering
50	SYED IMRAN BASHA .	U15ME279	Mechanical Engineering
51	ANANDA RAO D	U15ME280	Mechanical Engineering
52	DEENESH KUMAR CHHETRI	U15ME303	Mechanical Engineering
53	SATHIYASEELAN S	U16MT007	Mechatronics Engineering
54	RAKESH P	U16MT008	Mechatronics Engineering
55	ABDUL FAHEEM S	U16MT009	Mechatronics Engineering
56	ANJERI BALU	U16AM021	Automobile Engineering
57	JONATHAN LEVI WILLIAMS S	U16AM022	Automobile Engineering



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[Declared Under Section 3 of UGC Act, 1956]

Chennai – 600 073

7

INTERNAL QUALITY ASSURANCE CELL (IQAC) DOCUMENTS SUBMISSION FORM

Date of Submission	14/1/2019
Type of Documents	Value Added Course Program Report
Description	Behavioural Economics
Enclosures	a) Resolution Letter
	b) Circular
	c) Curriculum
	d) Schedule
	e) Attendance Sheet
	f) Feedback Form
	g) Certificate
	h) Image
No. of Pages	13
Submitted By	Name : Mr. R. Hariharan
	Designation : Asst Professor
	Department : Mechanical
	Signature : [Signature]

For Office Use Only

Verified By:	Dr. N. S. SENTHILAR	Sign: [Signature]	Date: 20.1.2019
Uploaded By:		Sign:	Date:
File Name:			

IQAC - BIHER



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Requisition Letter

Date: 04.01.2019

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.

Department of Mechanical Engineering, has planned to conduct Value added course entitled “ “Behavioural Economics” from 07/01/2019 to 12.01.2019. In this regard we kindly request you to grant permission for the same.

HOD/MECH

Thanking You

Dean Engineering
DEAN (Engineering)
Bharath Institute of Science & Technology
BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH
(Declared as Deemed to be University U/S 3 of UGC Act, 1956)
Selaiyur, Chennai-600 073.



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INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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Date: 04.01.2019

Department of Mechanical Engineering

Circular

The of Department of Mechanical Engineering, BIHER is glad to conduct five days value added program entitled “ *Behavioral Economics*” from 07.01.2019 to 12.01.2019 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. Students who have completed the course successfully with good score will get the course completion certificate from the institute/Department.

Resource person: Mr.S.Thirumavalavan and Mr.Arun V Rejus Kumar

Maximum no. of registration Allowed – 60.

Program coordinator


Mr.R.Hariharan


Mr.R J Golden Renjith Nimal



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Department of Mechanical Engineering

Behavioral Economics

OBJECTIVE:

- To explain economic decision-making process and role of psychology in it and to elaborate the deviation in reality and standard economic theoretical predictions in the framework of behavioral economics.

MODULE 1 Advanced Manufacturing Processes

(10Hrs) [DAY: 1]

Introduction to Behavioral Economics Origins of Behavioral Economics, Decision-making under Neo-classical economic framework- rationality, optimization Role of Intuition, Emotions, Beliefs in decision making Bounded Rationality Judgment under Risk & Uncertainty : Heuristics & Biases Heuristics : Representativeness, Substitution, Availability, Affect, Anchoring, framing Biases: Cognitive and emotional biases.

[DAY: 2]

Choice Under Risk & Uncertainty Expected Utility Prospect Theory – Reference Points – Risk Concept and Understanding – Loss Aversion – Shape of Utility Function – Decision Weighting – Probabilistic Judgment. Mental Accounting Framing Mental Accounts Fungibility & Labels Hedonic Editing.

[DAY: 3]

Intertemporal Choice, Temporal Choice, Construal Level Theory, Valuation of Delayed Consumption Preferences for Sequences of Outcomes, Hyperbolic Discounting, Preference Reversal

MODULE II

(5 Hrs)

[DAY: 4]

Behavioral Game Theory Social preferences: Fairness, trust, cooperation, reciprocity, Norms Limited Strategic Thinking Choice architecture: Nudge, Nudge vs. boost, Behavioral public policy.

MODULE III

[DAY: 5]

(10 Hrs)

Mental Accounting Framing Mental Accounts Fungibility & Labels Hedonic Editing.

MODULE IV

[DAY: 6]

(5 Hrs)

Choice Under Risk & Uncertainty Expected Utility Prospect Theory – Reference Points – Risk Concept and Understanding – Loss Aversion – Shape of Utility Function – Decision Weighting – Probabilistic Judgment.



Department of Mechanical Engineering
One Week Value added Program on "Skill Development on Behavioral Economics" 7th to 12th Jan 2019

Date	Morning Session (9 AM - 12 PM)	Afternoon Session (1:30 PM - 3:30 PM)
07 - 01 - 2019 (Monday)	Program Inauguration Mr.Arun V Rejus Kumar Introduction to Behavioral Economics Origins of Behavioral Economics, Decision-making under Neo-classical economic framework- rationality, optimization Role of Intuition	Mr.S.Thirumavalavan Heuristics & Biases Heuristics Representativeness, Substitution, Availability, Affect, Anchoring, framing Biases: Cognitive and emotional biases.
08 - 01 - 2019 (Tuesday)	Mr.S.Thirumavalavan Risk Concept and Understanding - Loss Aversion - Shape of Utility Function	Mr.Arun V Rejus Kumar Intertemporal Choice, Temporal Choice, Construal Level Theory
09 - 01 - 2019 (Wednesday)	Mr.Arun V Rejus Kumar Valuation of Delayed Consumption Preferences for Sequences of Outcomes	Mr.S.Thirumavalavan Mental Accounting Framing Mental Accounts Fungibility & Labels Hedonic Editing
10 - 01 - 2019 (Thursday)	Mr.S.Thirumavalavan framing Biases: Cognitive and emotional biases.	Mr.Arun V Rejus Kumar optimization Role of Intuition, Emotions, Beliefs in decision making Bounded Rationality Judgment under Risk & Uncertainty
11 - 01 - 2019 (Friday)	Mr.Arun V Rejus Kumar Mental Accounting Framing Mental Accounts Fungibility & Labels Hedonic Editing.	Mr.S.Thirumavalavan Decision Weighting - Probabilistic Judgment.
12 - 01 - 2019 (Saturday)	Mr.S.Thirumavalavan Construal Level Theory, Valuation of Delayed Consumption Preferences for Sequences of Outcomes	Mr.Arun V Rejus Kumar Behavioral Game Theory Social preferences: Fairness, trust, cooperation, reciprocity, Norms Limited Strategic Thinking Choice architecture: Nudge, Nudge vs. boost, Behavioral public policy <u>Quiz/ Feedback / valedictory Session</u>

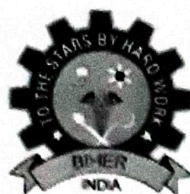
Program Coordinator:

Assistant Professor,

Mr. R. Hariharan **Mr. R J Golden Renjith Nimal**

E-Mail: vpdurniraj57@gmail.com

goldenrenjith.mech@bharathuniv.ac.in



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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 : MECHAYRONICS ENGINEERING.

Date : 7 JAN / 2019

Event / Speaker Name : BEHAVIORAL 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):

This value added courses very informative in my career.



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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 : Mechanics Engineering
Date : 23/11/2019
Event / Speaker Name : Behavioral 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): This value added Courses are very informative in my Career.

Bharath Institute of Higher Education and Reseaarch

CERTIFICATE OF PARTICIPATION

This is certify that

VIKRAM SINGH

has participated in the Value Added Course titled "Behavioral Economics"
conducted by the School of Mechanical Engineering during the month of
January 2019.



VAC CO-ORDINATOR

HOD MECHANICAL



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INSTITUTE OF HIGHER EDUCATION AND RESEARCH

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7

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	U16MES20	PAVITHRAN OMEZHILAN	Mechanical Engineering
9	U16MES22	I S V SAI DATTHA SHARAN	Mechanical Engineering
10	U16MES72	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	U16MED47	GOWTHAM S	Mechanical Engineering
36	U16MED48	HEMANTH RAJ R	Mechanical Engineering
37	U16MED52	SHRICHANTH R	Mechanical Engineering
38	U16MED71	SANTHOSH R	Mechanical Engineering
39	U16ME136	MOHAMMED THAUFEEQ R	Mechanical Engineering
40	U16ME137	DINESH LUMAR S	Mechanical Engineering
41	U16ME141	DEJES 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 RAIG	Mechanical Engineering
46	U16ME708	SURESH S	Mechanical Engineering
47	U16MT007	SATHYASEELAN 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

Feedback Form



Bharath Institute of Higher Education and Research

[Declared Under Section 3 of UGC Act, 1956]

Chennai - 600 073

8

INTERNAL QUALITY ASSURANCE CELL (IQAC)

DOCUMENTS SUBMISSION FORM

Date of Submission	15.02.2019
Type of Documents	Value Added Course Program Report
Description	Leadership Principles in Sports
Enclosures	a) Requestion Letter
	b) Circular
	c) Curriculum
	d) Schedule
	e) Attendance Sheet
	f) Feedback Form
	g) Certificate
	h) Image
No. of Pages	13
Submitted By	Name : Mr. V.P. Durairaj
	Designation : Assit Professor
	Department : Mechanical
	Signature :

For Office Use Only

Verified By:	Dr. N. S. SENTHUR	Sign:	Date: 17.02.2019
Uploaded By:		Sign:	Date:
File Name:			

IQAC - BIHER



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8

Requisition Letter

Date: 01.02.2019

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.

Department of Mechanical Engineering has planned to conduct Value added course entitled “Leadership Principles in Sports” from 04/02/2019 to 11.02.2019. In this regard we kindly request you to grant permission for the same.

HOD/MECH

Thanking You

Dean Engineering

DEAN (Engineering)
Bharath Institute of Science & Technology
BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH
(Declared as Deemed to be University U/S. 3 of UGC Act. 1956)
Selaiyur, Chennai-600 073.



Date: 01.02.2019

Department of Mechanical Engineering

Circular

The Department of Mechanical Engineering, BIHER is glad to conduct five days value added course entitled "**Leadership Principles in Sports**" from 04/02/2019 to 11.02.2019 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. Students who have completed the course successfully with good score will get the course completion certificate from the institute/Department.

Resource person: Dr. R. Hariharan and Dr. D. Ravi

Maximum no. of registration allowed – 60.

Program coordinator


Mr. V.P. Durairaj


Mr. R. Sabarish



Bharath

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

Department of Mechanical Engineering

Leadership Principles in Sports

OBJECTIVE:

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

MODULE 1 Advanced Manufacturing Processes

(10Hrs)

[DAY: 1]

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

[DAY: 2]

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

[DAY: 3]

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

MODULE II

(5 Hrs)

[DAY: 4]

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

MODULE III

[DAY: 5]

Case Study on Successful Leadership from Sporting World and Presentation. **(10 Hrs)**
Basic Analytical Operations in OLAP - OLTP vs OLAP - Differences - Elements of Dimensional Data Model -
Steps of Dimensional Modelling - Types of Schema - What is a Data Mart? - Need for a Data Mart - Types of
Data Mart - Implementation Steps - Data Mart Vs Data - Warehouse - Differences - What is a Data Lake -
Necessity of a Data Lake - Key Concepts of Data Lake - Data Lake vs Data Warehouse - What is BI? - Importance
of BI - DW and BI Tools today .

MODULE IV

[DAY: 6]

(5 Hrs)

Role and Activities of Successful Leaders in Sports Management Organizations.



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Department of Mechanical Engineering

One Week Value added Program on "Leadership Principles in Sports" 4th Feb to 11th Feb 2019

Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 3:30 PM)
04 – 02 – 2019 (Monday)	Program Inauguration Dr. R. Hariharan Meaning, Management and Leadership in the past and 21st century, Formal and Informal Leadership.	Dr. D. Ravi Ohio State Leadership studies, Trait theories of leadership, Contingency theory, Charismatic Leadership theories, Transactional and Transformational leadership.
05 – 02 – 2019 (Tuesday)	Dr. D. Ravi Different Leadership styles, Authentic leadership, Trust and Leadership – a relevant issue in sports, Global Leadership in sports across culture.	Dr. R. Hariharan National and International Sports Organisations - CAB, IFA, AIFF, BCCI, FIFA, ICC, IOA, BTTA.
06 – 02 – 2019 (Wednesday)	Dr. R. Hariharan Case Study on Successful Leadership from Sporting World and Presentation.	Dr. D. Ravi Role and Activities of Successful Leaders in Sports Management Organizations.
07 – 02 – 2019 (Thursday)	Dr. D. Ravi Ohio State Leadership studies, Trait theories of leadership, Contingency theory, Charismatic Leadership theories, Transactional and Transformational leadership.	Dr. R. Hariharan Meaning, Management and Leadership in the past and 21st century, Formal and Informal Leadership.
08 – 02 – 2019 (Friday)	Dr. R. Hariharan National and International Sports Organisations - CAB, IFA, AIFF, BCCI, FIFA, ICC, IOA, BTTA.	Dr. D. Ravi Different Leadership styles, Authentic leadership, Trust and Leadership – a relevant issue in sports, Global Leadership in sports across culture.
11 – 02 – 2019 (Monday)	Dr. D. Ravi Role and Activities of Successful Leaders in Sports Management Organizations.	Dr. R. Hariharan Case Study on Successful Leadership from Sporting World and Presentation. <i>Quiz/ Feedback / valedictory Session</i>

Program Coordinator: Mr. V.P. Durairaj, Mr. R. J. Golden Renjith Nimal Assistant Professor,

Mail: vpdurairaj57@gmail.com

goldenrenjith.mech@bharathuniv.ac.in



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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 Department

Date : 4/02/2019

Event / Speaker Name : Leadership Principle 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):

This type Program regular Conducted.
to Improve over coming



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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 : R. RAHADEEBAN MECHANICAL

Date : 4/02/2019

Event / Speaker Name : LEADERSHIP PRINCIPLES 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):

VERY INFORMATIVE FOR MY CAREER.

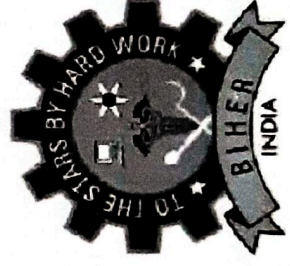
Bharath Institute of Higher Education and Research

CERTIFICATE OF PARTICIPATION

This is certify that

S. POOVENDHAN

has participated in the Value Added Course titled "Leadership Principles in Sports" conducted by the School of Mechanical Engineering during the month of February 2019.



[Signature]

VAC CO-ORDINATOR

[Signature]

HOD MECHANICAL



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

8

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	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 IMTHIAZ 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



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Chennai - 600 073

9

INTERNAL QUALITY ASSURANCE CELL (IQAC)

DOCUMENTS SUBMISSION FORM

Date of Submission	14/3/2019
Type of Documents	Value Added Course Program Report
Description	Energy Economics
Enclosures	a) Requisition letter
	b) Circular
	c) Curriculum
	d) Schedule
	e) Attendance sheet
	f) Feedback form
	g) Certificate
	h) Image
No. of Pages	13
Submitted By	Name : Mr. R. Hariharan
	Designation : Asst Prof
	Department : Mechanical
	Signature :

For Office Use Only

Verified By:	Dr. N. S. SENTHUR	Sign:	Date: 16/3/2019
Uploaded By:		Sign:	Date:
File Name:			

IQAC - BIHER



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9

Requisition Letter

Date: 01.03.2019

From

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

To

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

Respected Sir,

Sub: Requisition for conducting Value added course – reg.

Department of Mechanical Engineering has planned to conduct Value added course entitled “Energy Economics” from 04/03/2019 to 11.03.2019 In this regard we kindly request you to grant permission for the same.

Thanking You

HOD/MECH

Dean Engineering

DEAN (Engineering)

Bharath Institute of Science & Technology
BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH
(Declared as Deemed to be University U/S 3 of UGC Act. 1956)
Selayur, Chennai-600 073.



Date: 01.03.2019

Department of Mechanical Engineering

Circular

The of Department of Mechanical Engineering, BIHER is glad to conduct five days value added program entitled "*Energy Economics*" from 04.03.2019 to 11.03.2019 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. Students who have completed the course successfully with good score will get the course completion certificate from the institute/Department.

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

Maximum no. of registration Allowed – 60.

Program coordinator


Mr.R.Harihaaran


Mr.V.Jose Anand Vino



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Department of Mechanical Engineering

Energy Economics

OBJECTIVE:

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

MODULE 1

(10Hrs) [DAY: 1]

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

[DAY: 2]

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

[DAY: 3]

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

MODULE II

(5 Hrs)

[DAY: 4]

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

MODULE III

[DAY: 5]

(10 Hrs)

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

MODULE IV

[DAY: 6]

(5 Hrs)

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



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Department of Mechanical Engineering
One Week Value added Program on "Energy Economics"
4th Mar to 11th Mar 2019

Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 3:30 PM)
04 – 03 – 2019 (Monday)	Program Inauguration Mr.D.Ravi Introduction and Background - Review of the Basics of Supply, Demand and Price Formation.	Mr.K.Selvakumar Energy Supply and the Economics of Depletable Resources - World Oil Markets and Energy Security.
05 – 03 – 2019 (Tuesday)	Mr.K.Selvakumar Coal - Nuclear Power - Energy Efficiency Policies	Mr.D.Ravi Renewable Energy Policies
06 – 03 – 2019 (Wednesday)	Mr.D.Ravi comparative analysis of these markets from an India vs rest of the world perspective .	Mr.K.Selvakumar Natural Gas Price Regulation, Deregulation and Markets
07 – 03 – 2019 (Thursday)	Mr.K.Selvakumar techniques specific to energy and electricity markets in India: Risk Management, Futures Markets and Derivatives.	Mr.D.Ravi Review of the Basics of Supply, Demand and Price Formation in Competitive Markets
08 – 03 – 2019 (Friday)	Mr.D.Ravi Energy Supply and the Economics of Depletable Resources - World Oil Markets and Energy Security.	Mr.K.Selvakumar Coal - Nuclear Power - Energy Efficiency Policies - Renewable Energy Policies - comparative analysis of these markets from an India vs rest of the world perspective - The role of IREDA
11 – 03 – 2019 (Monday)	Mr.K.Selvakumar Energy and Climate Change - Pigouvian pricing	Mr.D.Ravi - Energy Supply and the Economics of Depletable Resources - World Oil Markets and Energy Security. <i>Quiz/ Feedback / valedictory Session</i>

Program Coordinator:

Assistant Professor

Mr. R. Harilal


Mr. V. Jose Anand Vino

E-Mail: vpdurairaj57@gmail.com

goldenrenjith.mech@bharathuniv.ac.in



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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 Engg

Date : 4/3/2019

Event / Speaker Name : Energy Economics

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

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

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

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

- Comments (If any):

Excellent Conduction of Program



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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 : MECHAYRONICS · ENGINEERING

Date : 4 · 03 2019

Event / Speaker Name : ENERGY ECONOMICS

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

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

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

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

- Comments (If any):

This Value added Courses very informative in my career.

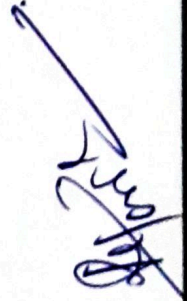
Bharath Institute of Higher Education and Reseaarch

CERTIFICATE OF PARTICIPATION

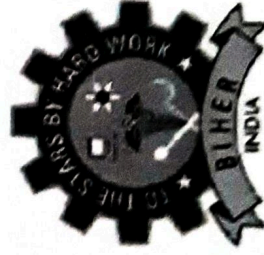
This is certify that

S. RAVIRAJAN

has participated in the Value Added Course titled "Energy Economics"
conducted by the School of Mechanical Engineering during the month of
March 2019.



VAC CO-ORDINATOR





HOD MECHANICAL



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9

Attendance sheet

S.No	Reg. No	Students Name	Department
1	U16ME002	DINESH KUMAR U	Mechanical Engineering
2	U16ME011	AJITH KUMAR S	Mechanical Engineering
3	U16ME012	MOHANRAJ R	Mechanical Engineering
4	U16ME014	RAVIRAJAN S	Mechanical Engineering
5	U16ME023	ARAVINDAN K	Mechanical Engineering
6	U16ME029	DINESH KUMAR M	Mechanical Engineering
7	U16ME031	ZHAKIRHUSSAIN S	Mechanical Engineering
8	U16ME033	SHERIN T MAMMEN	Mechanical Engineering
9	U16ME035	PARTHAN V	Mechanical Engineering
10	U16ME041	SUVODEEP RAKSHIT	Mechanical Engineering
11	U16ME049	MOHAMED ABDULLAH K	Mechanical Engineering
12	U16ME055	DEEPAK H	Mechanical Engineering
13	U16ME056	YOGESH P	Mechanical Engineering
14	U16ME059	JEFRON G	Mechanical Engineering
15	U16ME120	MADDIKARA SRIKAMTHREDDY	Mechanical Engineering
16	U16ME121	MUKESH K	Mechanical Engineering
17	U16ME129	DEEPAK RAJAN D	Mechanical Engineering
18	U16ME131	VIJAY M	Mechanical Engineering
19	U16ME133	AKASH SAHA	Mechanical Engineering
20	U16ME134	ARANYA JASH	Mechanical Engineering
21	U16ME140	MO WASEEM .	Mechanical Engineering
22	U16ME602	SHAIK MAHAMMED HANEEF	Mechanical Engineering
23	U16ME603	SHAIK RIYAZ	Mechanical Engineering
24	U16ME007	ALBY ANTONY .	Mechanical Engineering
25	U16ME008	RISHEEK SHANKAR M	Mechanical Engineering
26	U16ME009	CHENNABOENA THARUN KUMAR .	Mechanical Engineering
27	U16ME016	YUVARAJ P	Mechanical Engineering
28	U16ME024	ANCHULLA VENUGOPAL	Mechanical Engineering
29	U16ME025	SHANKAR YADAV	Mechanical Engineering
30	U16ME026	VISHVAK R	Mechanical Engineering
31	U16ME042	MOURYA RAJ D	Mechanical Engineering
32	U16ME046	V. SIVASHANMUGAM V	Mechanical Engineering
33	U16ME050	VIKRAM SINGH	Mechanical Engineering
34	U16ME051	AFTAB ALAM	Mechanical Engineering

35	U16ME053	HARI HARAN S E	Mechanical Engineering
36	U16ME054	VIGNESH KUMAR R	Mechanical Engineering
37	U16ME057	AMIT PRAKASH V	Mechanical Engineering
38	U16ME058	RAHUL GEDELA	Mechanical Engineering
39	U16ME060	PUCHAKAYALA HARI BABU .	Mechanical Engineering
40	U16ME122	KESHAV KUMAR .	Mechanical Engineering
41	U16ME128	SHUBHAM YADAV	Mechanical Engineering
42	U16ME138	VAIDHEESWARAN K	Mechanical Engineering
43	U16ME139	MD ZEESHAN RAZA .	Mechanical Engineering
44	U16ME144	JAGADALA KUMARA SWAMY	Mechanical Engineering
45	U16ME701	KONERU CHAITANYA CHANDRA .	Mechanical Engineering
46	U16ME713	TUPAKULA LAKSHMI NARAYANA .	Mechanical Engineering
47	U16ME715	DAMSANI SRIKANTH	Mechanical Engineering
48	U16ME717	CHINTAKAYALA SANDEEP SANDEEP	Mechanical Engineering
49	U16ME718	TARUN G	Mechanical Engineering
50	U16ME719	NEHLANGKI SUIAM	Mechanical Engineering
51	U16ME720	YELAMARTHI SAI AKHIL .	Mechanical Engineering
52	U16ME725	HIMANSHU KAMADIYA	Mechanical Engineering
53	U16ME726	KODALI ROHITH	Mechanical Engineering
54	U16MT501	MUGILAN M	Mechatronics Engineering
55	U16MT502	VIGNESHWAR C B	Mechatronics Engineering
56	U16MT503	KARUPHIN KAWIN J	Mechatronics Engineering
57	U16AM019	ANTHAM JEEVA REDDY	Automobile Engineering
58	U16AM020	MERUGU SHIVA SAGAR	Automobile Engineering



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[Declared Under Section 3 of UGC Act, 1956]

Chennai - 600 073

INTERNAL QUALITY ASSURANCE CELL (IQAC) DOCUMENTS SUBMISSION FORM

Date of Submission	10/4/2019
Type of Documents	Value Added Course Program Report
Description	network theorems, optoelectronics and electronics
Enclosures	a) Resubmission Letter
	b) Circular
	c) Curriculum
	d) Schedule
	e) Attendance Sheet
	f) Feedback Form
	g) Certificate
	h) Image
No. of Pages	13
Submitted By	Name : Mr. V. P. Durairaj
	Designation : Assit Professor
	Department : Mechanical
	Signature :

For Office Use Only

Verified By:	Dr. N. S. SENTHIL	Sign:	Date: 12/4/2019
Uploaded By:		Sign:	Date:
File Name:			

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Requisition Letter

Date: 27.03.2019

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.

Department of Mechanical Engineering has planned to conduct Value added course entitled “Network theorems, Optoelectronics and Electronics” from 01/04/2019 to 8.04.2019. In this regard we kindly request you to grant permission for the same.

Thanking You


HOD/MECH


Dean Engineering
DEAN (Engineering)
Bharath Institute of Science & Technology
BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH
(Declared as Deemed to be University U/S 3 of UGC Act. 1956)
Selaiyur, Chennai-600 073.



Date: 27.03.2019

Department of Mechanical Engineering

Circular

The of Department of Mechanical Engineering, BIHER is glad to conduct five days value added program entitled "*Network theorems, Optoelectronics and Electronics*" from 01.04.2019 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. Students who have completed the course successfully with good score will get the course completion certificate from the institute/Department.

Resource person: Dr.K.Selvakumar and Dr.M.P.Natarajan

Maximum no. of registration Allowed – 60.

Program coordinator


Mr. V.P. Durairaj


Mr. R J Golden Renjith Nimal



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

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Department of Mechanical Engineering

Skill Development on Network theorems, Optoelectronics and Electronics

Unit - 1

1. Network theorems:

(6 Hrs)

Kirchoff's laws -Proof (Mesh analysis), Super position theorem(proof), Thevenin's and Norton's theorem(only thevinising and nortonising without proof), Maximum power transfer theorem (proof) and its applications.

2. Optoelectronics:

(5 Hrs)

Optical fibers, structure, pulse dispersion and modes of propagation of light through optical fibers, critical angle of propagation, angle of acceptance, expression for numerical aperture and fractional refractive index change, application of optical fibers and advantages..

3. Digital electronics :

(9 Hrs)

Conversion to Binary to decimal and decimal to binary Logic system, Types. Logic gates: AND, OR,(analysis using diodes) NOT, NOR, NAND, (analysis using diodes or transistors) XOR gate Conversion of universal to basic gates Half and full adder, flip-flop, RS, JK and master slave flip-flop,

Unit - 2

3. Bipolar junction Transistor:

(10 Hrs)

Introduction, (types and action) Characteristics and parameters of common emitter configuration, D C load line, operating point. Need for transistor biasing Self biasing of a transistor, JFET Construction, working & characteristics Inter relationship between the parameters and MOSFET (E & D).Construction

4. Amplifier:

(10 Hrs)

CE amplifier (Quantitative), CE amplifier its equivalent circuit using h-parameters, expression for voltage gain, current gain, power gain, input resistance and output resistances in terms of h parameters. Operational-amplifier Characteristics inverting and non inverting amplifier (Quantitative)

Unit - 3

5. Oscillators:

(4 Hrs)

Concept of feed back, positive and negative feedback. Expression for loop gain Barkhausen's criteria, phase shift oscillator and Wein's bridge oscillator Merits and demerits. Types of Negative feed back.(Qualitative) Advantages of negative feed back.

7. Radio communication:

(13 Hrs)

Modulation modes of Radio wave propagation(Qualitative), need for modulation, amplitude modulation, modulation factor, side bands, band width, AM spectrum, power in AM wave. frequency modulation, FM spectrum, Demodulation, essentials of demodulation, diode detector circuit. Superhetrodyne receivers, block diagram of AM & FM receivers. Advantages of FM over AM. Applications

8. Display devices:

(3 Hrs)

LED, construction and use of LED in display. Liquid crystal, types of liquid crystals. Basic principal of LCD and its construction, Comparison between LED and LCD.



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Department of Mechanical Engineering
One Week Value added Program on "Network theorems, Optoelectronics
and Electronics"

1st Apr to 8th Apr 2019

Date	Morning Session (9 AM – 12 PM)	Afternoon Session (1:30 PM – 3:30 PM)
01 – 04 – 2019 (Monday)	Dr.K.Selvakumar Kirchoff's laws -Proof (Mesh analysis), Super position theorem(proof), Thevenin's and Norton's theorem(only thevinising and nortonising without proof), Maximum power transfer theorem (proof) and its applications	Dr.M.P.Natarajan Optical fibers, structure, pulse dispersion and modes of propagation of light through optical fibers, critical angle of propagation, angle of acceptance, expression for numerical aperture
02 – 04 – 2019 (Tuesday)	Dr.M.P.Natarajan propagation of light through optical fibers, critical angle of propagation, angle of acceptance, expression for numerical aperture and fractional refractive index change, application of optical fibers and advantages..	Dr.K.Selvakumar Conversion to Binary to decimal and decimal to binary Logic system, Types. Logic gates: AND, OR,(analysis using diodes) NOT, NOR, NAND, (analysis using diodes or transistors) XOR gate
03 – 04 – 2019 (Wednesday)	Dr.K.Selvakumar CE amplifier (Quantitative), CE amplifier its equivalent circuit using h-parameters, expression for voltage gain, current gain, power gain, input resistance and output resistances	Dr.M.P.Natarajan Introduction, (types and action) Characteristics and parameters of common emitter configuration, D C load line, operating point. Need for transistor biasing Self biasing of a transistor
04 – 04 – 2019 (Thursday)	Dr.M.P.Natarajan Need for transistor biasing Self biasing of a transistor, JFET Construction, working & characteristics Inter relationship between the parameters and MOSFET (E & D).Construction	Dr.K.Selvakumar power gain, input resistance and output resistances in terms of h parameters. Operational-amplifier Characteristics inverting and non inverting amplifier (Quantitative).
05 – 04 – 2019 (Friday)	Dr.K.Selvakumar Need of feed back, positive and negative feedback. Condition for loop gain Barkhausen's criteria, phase oscillator and Wein's bridge oscillator Merits and demerits. Types of Negative feed back.(Qualitative) Advantages of negative feed back.	Dr.M.P.Natarajan Modulation modes of Radio wave propagation(Qualitative), need for modulation, amplitude modulation, modulation factor, side bands, band width, AM spectrum, power in AM wave

08 - 04 - 2019 (Monday)	Dr.M.P.Natarajan cy modulation, FM spectrum, Demodulation, tials of demodulation, diode detector circuit. rhytrodyne receivers, block diagram of AM & FM vers. Advantages of FM over AM. Applications	Dr.K.Selvakumar LED, construction and use of LED in display. Liquid crystal, types of liquid crystals. Basic principal of LCD and its construction, Comparison between LED and LCD.
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Program Coordinator:

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

Assistant Professor,

E-Mail: vpdurairaj57@gmail.com

goldenrenjith.mech@bharathuniv.ac.in



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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 : Engg mech (B.Tch)

Date : 1/4/2019

Event / Speaker Name : Network Theory, op to electronics

- 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 it was very informative for this course



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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 : E. Mechanical Engineering Dept

Date : 01.04.2019

Event / Speaker Name : Network Theory, Optoelectronics

- 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
				7

- Comments (If any):

Nicely gaining knowledge about optoelectronics

Bharath Institute of Higher Education and Research

CERTIFICATE OF PARTICIPATION

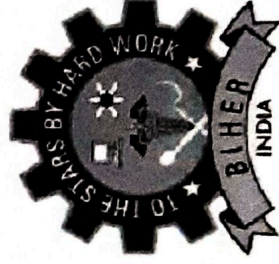
This is certify that

K. PRAVIN

has participated in the Value Added Course titled "Network Theory and Optoelectronics" conducted by the School of Mechanical Engineering during the month of April 2019.



VAC CO-ORDINATOR





HOD MECHANICAL



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10

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
58	U16MT003	DINESH J	Mechatronics Engineering

Requisition Letter

Date: 04/07/2018

From
The HOD
Department Of Mechatronics
Bharath Institute of Higher Education and Research
Selaiyur, Chennai-600073

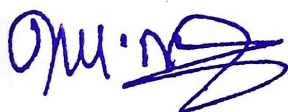
To
The Dean Engineering
Bharath Institute of Higher Education and Research
Selaiyur, Chennai-600073

Respected Sir,

Subject: Requisition for conducting Value added Course-reg

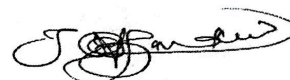
School of Mechanical Sciences has planned to conduct value added course on "Robot Motion Planning" on 08-08-2018. In this regard we kindly request you to grant permission for the same.

Thanking you



HOD/Mechatronics

Dr. P. SENGOTTUVEL,
PROFESSOR
DEPARTMENT OF MECHATRONICS
BHARATH UNIVERSITY,
CHENNAI-600 073



Dean Engineering



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Date: 07.07.2018

Department of Mechatronics

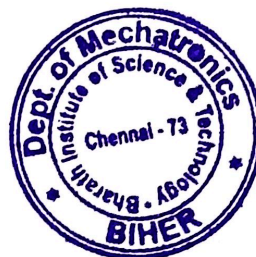
Circular

The Department of Mechatronics, BIHER is glad to conduct a 5 - day Value Added Program on “**ROBOT MOTION PLANNING**” dated from 08.08.2018 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
E Park St,
Shenoy Nagar,
Chennai



Maximum No. of registration Allowed – 40

***First come first serve basis.**

Program Coordinator:

Mrs.V.G. Vijaya

V. G. Vijaya

Assistant Professor

Mrs.G.Vasumathi

Assistant Professor

E-Mail: vijayasaravan84@gmail.com

vasu.bala06@gmail.com

Mobile: 8870136732 / 9962133365



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Department of Mechatronics

Robot Motion Planning

OBJECTIVES:

This course will focus on principles used in motion planning algorithms; i.e. algorithms that allow a robot move in a cluttered environment while avoiding collisions with obstacles. In particular, classic planning algorithms are employed when the geometry of the robot's stationary surroundings is known in advance.

[DAY: 1]

MODULE 1

(6 Hrs)

Motion planning overview. • Sensor-based motion planning: the bug algorithms.

[DAY: 2]

MODULE II

(6 Hrs)

• Workspace decomposition and search algorithms on graphs (basic search on graphs, A* , and overview of D*) • Configuration Space and configuration-space obstacles.

[DAY: 3]

MODULE III

(6 Hrs)

• Sampling-based motion planning (probabilistic roadmaps, RRTs, collision-checking primitives)

[DAY: 4]

MODULE IV

(6 Hrs)

Brief overview of kinematic and dynamic models for robots; an introduction to local motion planners

[DAY: 5]

MODULE V

(6 Hrs)

The robot navigation problem: the Kalman filter, the Extended Kalman filter, Bayesian estimation, Kalman-filter-based SLAM and the data association problem



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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 : 14-8-2018

Event / Speaker Name : Robot Motion Planning

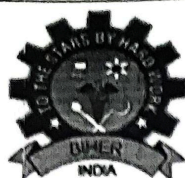
- Please rate the session on the scale indicated. Your comments are most appreciated.

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 : School of mechanical
Date : 14/08/2018
Event / Speaker Name : Mr. Karthick / Robot motion Planning

- 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 -

Model Certificate

   **Bharath**  
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Bharath Institute of Science and Technology

CERTIFICATE OF PARTICIPATION

This is to certify that
Prof./Dr./Mr./Ms. DINESHKUMAR S (U17MT060)
Of
BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY, BIHER, CHENNAI.
He/She has Participated in a Seminar On "ROBOT MOTION PLANNING" Organized by the School of Mechanical Sciences, Department of Mechatronics, on 8th Aug 2018


Coordinator
Mrs.G. Vasumathi


Convener
Dr.P.Sengottuvel


Dean-Engineering
Dr.J.Hameed Hussain

Certificate No : BIST/MT/VAC/040



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Department of Mechatronics

Value Added Course – Robot Motion Planning





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Department of Mechatronics

Value Added Course -Robot Motion Planning

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.	U17ME021	DARAM PRITHVI RAJ	Mechanical
22.	U17ME045	JEYABHARATHI	Mechanical
23.	U17ME066	YETTELLA BHUVANESWARA REDDY	Mechanical
24.	U17ME072	CHITTIREDDY	Mechanical
25.	U17ME075	VEDURUPARTHY KANAKA VENKATA SURESH	Mechanical
26.	U17ME090	LOKIREDDY VENKATA SHIVA KUMAR	Mechanical
27.	U17ME101	KATTA GOPI KRISHNA	Mechanical
28.	U17ME102	HARISH	Mechanical
29.	U17ME120	SUDDAPALLI JASWANTH SAI KUMAR	Mechanical
30.	U17ME125	BURRAREDDYPALLE	Mechanical
31.	U17ME131	DASARI	Mechanical
32.	U17ME135	VEMULA CHANDU PRASAD	Mechanical
33.	U17ME140	PONKAM VARUN KUMAR	Mechanical
34.	U17ME144	ANNA PRUDHVI GOUTAM	Mechanical
35.	U17ME149	SIRAMMAGARI SASI KUMAR REDDY	Mechanical
36.	U17ME163	NALLA SRINATH REDDY	Mechanical
37.	U17ME171	KARRI PAVAN KALYAN	Mechanical
38.	U17ME173	NALAJAM MOHAN SAI	Mechanical
39.	U17ME178	ENUKONDA NIVAS RAJU	Mechanical
40.	U17ME192	YADHAVA SURYA	Mechanical
41.	U18AM025	MULA DHAMODHAR REDDY	Automobile
42.	U18AM026	MOGHAL RAHEL BAIG .	Automobile
43.	U18AM027	BANDARUPALLI NAVEENCHOWDARY	Automobile

44.	U18AM028	ANUMULA SANTHOSH REDDY	Automobile
45.	U18AM029	DHILIPSAGAR M	Automobile
46.	U18AM031	POLLAMPALLI BHANU PRAKASH .	Automobile
47.	U18AM032	KOLLI NIRANJAN	Automobile
48.	U18AM034	LALCHHUANAWMA .	Automobile
49.	U18AM035	VIDUDHALA GURU VAMSI .	Automobile
50.	U18AM036	SREENUVAS ADAPUREDDI	Automobile
51.	U18AM037	HARIRAM K	Automobile
52.	U18AM038	KIRAN J R	Automobile
53.	U18AM039	SURYAKUMAR S	Automobile
54.	U18AM040	CHAKKA VENKATA CHENNA PAVAN KALYAN	Automobile
55.	U18AM041	JAYA SURYA R	Automobile
56.	U18AM042	RAKESH S	Automobile
57.	U18AM043	JEYABHARATHI R	Automobile
58.	U18AM044	SURIYA S	Automobile
59.	U18AM045	THIRUGNANA SAMMANDAM R	Automobile
60.	U18AM046	PADALA RAM MOHAN RAO	Automobile



Requisition Letter

Date: 08/12/2018

From
The HOD
Department Of Mechatronics
Bharath Institute of Higher Education and Research
Selaiyur, Chennai-600073

To
The Dean Engineering
Bharath Institute of Higher Education and Research
Selaiyur, Chennai-600073

Respected Sir,

Subject: Requisition for conducting Value added Course-reg

School of Mechanical Sciences has planned to conduct value added course on
"Robotics and Control: Theory and Practice" on 21-01-2019. In this regard we kindly request
you to grant permission for the same.

Thanking you



HOD/Mechatronics

Dr. P. SENGOTTUVEL,
PROFESSOR
DEPARTMENT OF MECHATRONICS
BHARATH UNIVERSITY,
CHENNAI-600 073.



Dean Engineering



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Date: 02.01.2019

Department of Mechatronics

Circular

The Department of Mechatronics, BIHER is glad to conduct a 5 - day Value Added Program on “**COURSE ON ROBOTICS AND CONTROL: THEORY AND PRACTICE**” dated from 21.01.2019 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. Senthil Kumar
Head Technical
M&H Progressive Skill Pvt. Ltd, Chennai



Maximum No. of registration Allowed – 60

***First come first serve basis.**

Program Coordinator:

Mrs.V.G.VIJAYA

Assistant Professor

Mr.J. DHANASEKAR

Assistant Professor,

E-Mail: vijayasaravanan84@gmail.com

Mobile: 8870136732



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Department of Mechatronics

COURSE ON COURSE ON ROBOTICS AND CONTROL: THEORY AND PRACTICE

OBJECTIVES:

Robotics has stimulated a growing interest among a wide range of scholars, researchers and students due to its interdisciplinary characteristics. Through this course the participants will acquire the ability to conduct research, develop innovative designs in the field of systems engineering and control of robots and to direct the development of engineering solutions in new or unfamiliar environments by linking creativity, innovation and transfer of technology.

[DAY: 1]

MODULE I

(6 Hrs)

Simple manipulators: Two /three arm manipulators and their kinematics equations, Work space Homogeneous Transformation: Rotation, Translation, Composition of homogeneous transformations

[DAY: 2]

MODULE II

(6 Hrs)

Danavit-Hartimber Algorithm: D-H procedure for fixing joint coordinate frames, Robot parameters, Arm matrix, Inverse Kinematics for PUMA, SCARA manipulators.

[DAY: 3]

MODULE III

(6 Hrs)

Introduction to Robotic Exoskeletons ,Optimal Design of a Three Finger Exoskeleton for Rehabilitation Purpose

[DAY: 4]

MODULE IV

(6 Hrs)

Differential transformation and velocity of a frame: Derivative of a frame, Velocity, Jacobian, Inverse Jacobian, Trajectory Planning: Polynomial trajectory, Biped trajectory

[DAY: 5]

MODULE V
(6Hrs)

Dynamics: Lagrangian method, Robot dynamics equation, Control: Robot dynamics equation as a control system, Trajectory tracking control, PD controller, Neural network control design



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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 : 21420 Mechatronics

Date : 25-01-2019

Event / Speaker Name : Course on Robotics and control : Theory & 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):



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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 : MECHANICS

Date : 25/02/2019

Event / Speaker Name : ROBOTICS AND D CONTROL - THEORY AND 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):

Model Certificate

   **Bharath**  **A NAAC**

BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY

CERTIFICATE OF PARTICIPATION

This is to certify that
Prof./Dr./Mr./Ms. AJITHRAJ S (U17AM025)
Of
BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY, BIHER, CHENNAI.
He/She has Participated in a Seminar On " **ROBOTICS AND CONTROL: THEORY AND PRACTICE** " Organized by the School of Mechanical Sciences , Department of Mechatronics ,
on **21st JAN 2019**


Coordinator
Mrs. V.G. VIJAYA


Convener
Dr. P. Sengottuvel


Dean-Engineering
Dr. J. Hameed Hussain

Certificate No : BIST/MT/VAC/035



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Department of Mechatronics

**Value added course -ROBOTICS AND CONTROL : THEORY AND
PRACTICE**





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

Department of Mechatronics

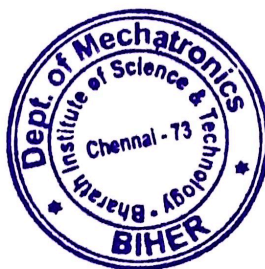
Value Added Course -COURSE ON ROBOTICS AND CONTROL :
THEORY AND PRACTICE

PARTICIPANTS LIST

S.No	Reg.No	Name	Department
1.	U17MT001	PRASANNA KUMAR R	Mechatronics
2.	U17MT002	NATARAJAN M A	Mechatronics
3.	U17MT003	SAGAR AMIRDHARAJ A	Mechatronics
4.	U17MT004	CHETHANASAI K V	Mechatronics
5.	U17MT005	MOHAMMED JUZER	Mechatronics
6.	U17MT006	JAISINGH ALAN JEROME J	Mechatronics
7.	U17MT007	SELVAMANI S	Mechatronics
8.	U17MT008	ARAVINTHRAJ V J	Mechatronics
9.	U17MT009	SUDAKAR S R	Mechatronics
10.	U17MT010	HARI PRASANTH D	Mechatronics
11.	U17MT012	TAMILSELVAN A	Mechatronics
12.	U17MT013	ARUN KUMAR C K	Mechatronics
13.	U17MT014	MOHAN PIRASATH M	Mechatronics
14.	U17MT015	BAGIYARAJ D	Mechatronics
15.	U17MT016	MANOJ KUMAR P	Mechatronics
16.	U17MT017	DINESHKUMAR A	Mechatronics
17.	U17MT018	DINESH G	Mechatronics

18.	U17MT020	SHARAN A P	Mechatronics
19.	U17MT001	PRASANNA KUMAR R	Mechatronics
20.	U17MT002	NATARAJAN M A	Mechatronics
21.	U17ME021	DARAM PRITHVI RAJ	Mechanical
22.	U17ME045	JEYABHARATHI	Mechanical
23.	U17ME066	YETTELLA BHUVANESWARA REDDY	Mechanical
24.	U17ME072	CHITTIREDDY	Mechanical
25.	U17ME075	VEDURUPARTHY KANAKA VENKATA SURESH	Mechanical
26.	U17ME090	LOKIREDDY VENKATA SHIVA KUMAR	Mechanical
27.	U17ME101	KATTA GOPI KRISHNA	Mechanical
28.	U17ME102	HARISH	Mechanical
29.	U17ME120	SUDDAPALLI JASWANTH SAI KUMAR	Mechanical
30.	U17ME125	BURRAREDDYPALLE	Mechanical
31.	U17ME131	DASARI	Mechanical
32.	U17ME135	VEMULA CHANDU PRASAD	Mechanical
33.	U17ME140	PONKAM VARUN KUMAR	Mechanical
34.	U17ME144	ANNA PRUDHVI GOUTAM	Mechanical
35.	U17ME149	SIRAMMAGARI SASI KUMAR REDDY	Mechanical
36.	U17ME163	NALLA SRINATH REDDY	Mechanical
37.	U17ME171	KARRI PAVAN KALYAN	Mechanical
38.	U17ME173	NALAJAM MOHAN SAI	Mechanical
39.	U17ME178	ENUKONDA NIVAS RAJU	Mechanical
40.	U17ME192	YADHAVA SURYA	Mechanical
41.	U17AM002	PRAVEEN KUMAR G	Automobile

42.	U17AM003	ALIHUSSAIN MURTAZA	Automobile
43.	U17AM004	NAVEEN KUMAR U	Automobile
44.	U17AM005	SUNDERJI G	Automobile
45.	U17AM006	RANJITH R	Automobile
46.	U17AM007	YOGESHWARAN K	Automobile
47.	U17AM009	KARTHICK Y	Automobile
48.	U17AM011	GUTTULA DEEPAK	Automobile
49.	U17AM012	ABINASH N	Automobile
50.	U17AM013	SURAKANI PAVAN SAI .	Automobile
51.	U17AM014	KUMBHAR RAHUL	Automobile
52.	U17AM015	KUTHE SOURABH SURESH .	Automobile
53.	U17AM016	SHAJAHAN S	Automobile
54.	U17AM017	ARUN R	Automobile
55.	U17AM018	DEVANATHA M	Automobile
56.	U17AM020	RITHISHKRISHNA D V	Automobile
57.	U17AM021	SHAIK REHAMAN	Automobile
58.	U17AM022	MARTHA CHAITANYA	Automobile
59.	U17AM023	BIRADAR GANESH	Automobile
60.	U17AM025	AJITHRAJ S	Automobile



Requisition Letter

Date: 21/10/2018

From
The HOD
Department Of Mechatronics
Bharath Institute of Higher Education and Research
Selaiyur, Chennai-600073

To
The Dean Engineering
Bharath Institute of Higher Education and Research
Selaiyur, Chennai-600073

Respected Sir,

Subject: Requisition for conducting Value added Course-reg

School of Mechanical Sciences has planned to conduct value added course on "Advanced Robotics for Engineering" on 26-11-2018. In this regard we kindly request you to grant permission for the same.

Thanking you



HOD/Mechatronics

Dr. P. SENGOTTUVEL,
PROFESSOR
DEPARTMENT OF MECHATRONICS
BHARATH UNIVERSITY,
CHENNAI-600 073.



Dean Engineering



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Department of Mechatronics

Circular

Date: 5.11.2018

The Department of Mechatronics, BIHER is glad to conduct a 5 - day Value Added Program on “**COURSE ON ADVANCED ROBOTICS FOR ENGINEERING**” dated from 26.11.2018 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

Dr.T.Sekar,
Associate Professor,
Government College of Engineering,
Dharmapuri

Maximum No. of registration Allowed – 60

***First come first serve basis.**

Program Coordinator:

Mrs.VASUMATHI

Assistant Professor

Mr.J.DHANASEKAR

Assistant Professor,

E-Mail: dhanasekar81@gmail.com

Mobile: 9841259514





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Department of Mechatronics

COURSE ON ADVANCED ROBOTICS FOR ENGINEERING

OBJECTIVES:

This course introduces you to the amazing world of sixth sense technology and its fascinating applications. Using an Arduino board and other electronic components, you will develop a robot that can be controlled through digital information. The digital information is processed using the image processing technique which takes the input data from the user who can give commands using hand gestures.

[DAY: 1]

- **MODULE I Introduction to Sixth sense Technology (6 Hrs)**

Sixth Sense' is a wearable gesture interface that augments the physical world around us with digital information and lets us use natural hand gestures to interact with that information. This technology will definitely give the user a new way of seeing the world with information at their fingertips it has been classified under the category 'wearable computing'.

[DAY: 2]

- **MODULE II Introduction to Image Processing and application (6 Hrs)**

Image processing is a method to perform some operations on an image, in order to get an enhanced image or to extract some useful information from it. It is a type of signal processing in which input is an image and output may be image or characteristics/features associated with that image.

[DAY: 3]

- **MODULE III Open CV and Python programming (6 Hrs)**

OpenCV is a huge open-source library for computer vision, machine learning, and image processing. OpenCV supports a wide variety of programming languages like Python, C++, Java, etc.

[DAY: 4]

- **MODULE IV** Edge detection and image enhancement (6 Hrs)

Edge detection includes a variety of mathematical methods that aim at identifying points in a digital image at which the image brightness changes sharply or, more formally, has discontinuities. The points at which image brightness changes sharply are typically organized into a set of curved line segments termed edges

[DAY: 5]

- **MODULE V:** Programming the Robot using Python Open CV and Arduino (6 Hrs)

You can use OpenCV, Python, and Arduino to detect and track faces. Face tracking can be used in a variety of robotics projects and applications.

OpenCV is a huge open-source library for computer vision, machine learning, and image processing. OpenCV supports a wide variety of programming languages like Python, C++, Java, etc.

[DAY: 4]

- **MODULE IV** Edge detection and image enhancement **(6 Hrs)**

Edge detection includes a variety of mathematical methods that aim at identifying points in a digital image at which the image brightness changes sharply or, more formally, has discontinuities. The points at which image brightness changes sharply are typically organized into a set of curved line segments termed edges

[DAY: 5]

- **MODULE V:** Programming the Robot using Python Open CV and Arduino **(6 Hrs)**

You can use OpenCV, Python, and Arduino to detect and track faces. Face tracking can be used in a variety of robotics projects and applications.



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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 : Mechanics Engg

Date : 30.11.2018

Event / Speaker Name : Advanced Robotics for Engineers

- 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 : 30.11.2018

Event / Speaker Name : Advanced Robotics for Engineering

- 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					✓

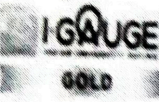



- Overall, how would you rate this Guest Lecture / Workshop / Seminar / Event/Value added course?

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

- Comments (If any):

Good


Model Certificate


   **Bharath**  A NAAC


BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY

CERTIFICATE OF PARTICIPATION

This is to certify that
Prof./Dr./Mr./Ms. Karmugilan V (U16AM014)
Of
BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY, BIHER, CHENNAI.
He/She has Participated in a Seminar On "ADVANCED ROBOTICS FOR ENGINEERING"
Organized by the School of Mechanical Sciences, Department of Mechatronics, on 26th Nov 2018


Coordinator
Mrs. G. Vasumathi


Convener
Dr. P. Sengottuvel


Dean-Engineering
Dr. J. Hameed Hussain

Certificate No : BIST/MT/VAC/002



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Department of Mechatronics

Value added COURSE ON ADVANCED ROBOTICS FOR ENGINEERING





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Department of Mechatronics

Value Added Course -COURSE ON ADVANCED ROBOTICS FOR ENGINEERING

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.	U16MT502	VIGNESHWAR C B	Mechatronics
18.	U16MT503	KARUPHIN KAWIN J	Mechatronics
19.	U16MT701	CHANDRASEKAR D G	Mechatronics

20.	U16MT702	CHIRANJEEVI A	Mechatronics
21.	U16MT703	VIGNESH.A	Mechatronics
22.	U16MT704	AJITH.H	Mechatronics
23.	U16AM001	Ramachandran M	Automobile
24.	U16AM002	Libin Bobby	Automobile
25.	U16AM004	Nanda Kumar K	Automobile
26.	U16AM005	Vasanthkumar R	Automobile
27.	U16AM006	Karanprakash R	Automobile
28.	U16AM007	Sundareswaran B	Automobile
29.	U16AM008	PalapandalaPrudhvi	Automobile
30.	U16AM009	Thamim Ansari K	Automobile
31.	U16AM010	Jai Kumar Verma	Automobile
32.	U16AM012	Mohamed Imthiyaz M	Automobile
33.	U16AM014	Karmugilan V	Automobile
34.	U16AM015	ParimiSai Surya Vamsi	Automobile
35.	U16AM017	Amal Philip George	Automobile
36.	U16AM018	RoshanRomario Francis	Automobile
37.	U16AM019	AnthamJeeva Reddy	Automobile
38.	U16AM020	Merugu Shiva Sagar	Automobile
39.	U16AM021	AnjeriBalu	Automobile
40.	U16AM022	Jonathan Levi Williams S	Automobile
41.	U17ME001	MADHAVAN	Mechanical
42.	U17ME006	STEPHEN CHITARANJAN	Mechanical
43.	U17ME019	EDLA	Mechanical
44.	U17ME035	DAMARLA SAI SANTHOSH	Mechanical
45.	U17ME036	FEROZ AKHTAR	Mechanical

46.	U17ME038	HARIRAM	Mechanical
47.	U17ME047	THIRUGNANA SAMMANDAM	Mechanical
48.	U17ME056	KAMPARAJU RAM SRINIVAS RAJU	Mechanical
49.	U17ME059	BALAJI	Mechanical
50.	U17ME062	PAKAM SARATH KUMAR	Mechanical
51.	U17ME068	CHALLA GIRREESH	Mechanical
52.	U17ME069	VEMPULURU	Mechanical
53.	U17ME070	MARRIPATI	Mechanical
54.	U17ME073	VARDA SAI SREEKANTH REDDY	Mechanical
55.	U17ME083	MOPURI RAMESH REDDY	Mechanical
56.	U17ME089	KALLOL	Mechanical
57.	U17ME093	ANIPEDDI	Mechanical
58.	U17ME096	somasekharkavati	Mechanical
59.	U17ME099	DANGETI	Mechanical
60.	U17ME100	MARTHALA KARTHIK KUMAR REDDY	Mechanical






Bharath Institute of Higher Education and Research

[Declared Under Section 3 of UGC Act, 1956]

Chennai - 600 073

INTERNAL QUALITY ASSURANCE CELL (IQAC)

DOCUMENTS SUBMISSION FORM

Date of Submission	15/10/2018
Type of Documents	VALUE ADDED COURSE PROGRAMME REPORT
Description	INDUSTRIAL AUTOMATION AND CONTROL
Enclosures	a) REQUISITION LETTER
	b) CIRCULAR
	c) CURRICULUM
	d) ATTENDANCE SHEET
	e) FEEDBACK FORM
	f) CERTIFICATE
	g) IMAGE
	h)
No. of Pages	11
Submitted By	Name : JAIRAJESH.P
	Designation : ASST. PROFESSOR
	Department : MECHATRONICS
	Signature : 

For Office Use Only

Verified By:		Sign:	Date:
Uploaded By:		Sign:	Date:
File Name:			

IQAC - BIHER

Requisition Letter

Date: 05/09/2018

From
The HOD
Department Of Mechatronics
Bharath Institute of Higher Education and Research
Selaiyur, Chennai-600073

To
The Dean Engineering
Bharath Institute of Higher Education and Research
Selaiyur, Chennai-600073

Respected Sir,

Subject: Requisition for conducting Value added Course-reg

School of Mechanical Sciences has planned to conduct value added course on "Industrial Automation and Control" on 08-10-2018. In this regard we kindly request you to grant permission for the same.

Thanking you



HOD/Mechatronics

Dr. P. SENGOTTUVEL,
PROFESSOR
DEPARTMENT OF MECHATRONICS
BHARATH UNIVERSITY,
CHENNAI-600 073.



Dean Engineering



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Date: 01.10.2018

Department of Mechatronics

Circular

The Department of Mechatronics, BIHER is glad to conduct a 5 - day Value Added Program on “**Industrial Automation and Control**” dated from 08.10.2018 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. Veeramani
Director
Unikerz Technologies PVT.Ltd.
Chennai.
Maximum No. of registration Allowed – 60

***First come first serve basis.**

Program Coordinator:

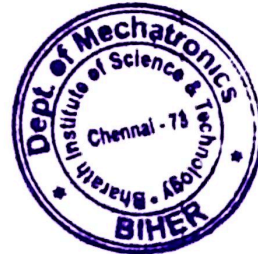
Mr.J.Dhanasekar
Assistant Professor

J. Dhanasekar

Mrs.G.vasumathi
Assistant Professor,

E-Mail: jdhanasekar81@gmail.com @gmail.com

Mobile: 8870136734





Department of Mechatronics

Industrial Automation and Control

OBJECTIVES:

This course presents an overview of industrial automation and control technology as it is used in factories of all types, including discrete and continuous manufacturing. The course covers a wide range of topics, including automation systems' benefits and architecture, measurement systems, including sensors and signal conditioning, discrete and continuous variable control systems, hydraulic, pneumatics.

[DAY: 1]

- **MODULE I** (6 Hrs)
- Introduction to Industrial Automation and Control
- Architecture of Industrial Automation Systems.
- Introduction to sensors and measurement systems
- Temperature measurement
- Pressure and Force measurements.

[DAY: 2]

- **MODULE II** (6 Hrs)
- Displacement and speed measurement
- Flow measurement techniques
- Measurement of level, humidity, pH etc
- Signal Conditioning and Processing
- Estimation of errors and Calibration

[DAY: 3]

- **MODULE III** (6 Hrs)
- Introduction to Process Control.
- P-- I -- D Control 13. Lecture 5: Controller Tuning.
- Implementation of PID Controllers

- Special Control Structures
- Feedforward and Ratio Control

[DAY: 4]

- **MODULE IV** **(6Hrs)**
- Special Control Structures : Predictive Control, Control of Systems with Inverse Response. Special Control Structures : Cascade Control, Overriding Control, Selective Control, Split Range Control

[DAY: 5]

- **MODULE V** **(6Hrs)**
- Introduction to Sequence Control, PLCs and Relay Ladder Logic
- Sequence Control : Scan Cycle, RLL Syntax
- Sequence Control : Structured Design Approach
- Sequence Control : Advanced RLL Programming
- Sequence Control : The Hardware environment



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Department of Mechatronics

Value Added Course -Industrial Automation and Control

PARTICIPANTS LIST

S.No	Reg.No	Name	Department
1.	U17MT021	RATALA VENKATA MADHAV	Mechatronics
2.	U17MT022	GULAM GHOUSE B	Mechatronics
3.	U17MT023	PRAVEEN R	Mechatronics
4.	U17MT024	MANIKANDAN V	Mechatronics
5.	U17MT026	MADUGULA BALACHANDRA	Mechatronics
6.	U17MT027	ALEX ANTO	Mechatronics
7.	U17MT028	HEMALATHA G	Mechatronics
8.	U17MT029	PRAKASH RAJ S	Mechatronics
9.	U17MT031	SYED SAMSUDEEN I	Mechatronics
10.	U17MT032	LAKKIREDDY PAVAN KALYAN REDDY	Mechatronics
11.	U17MT033	KARTHIK Y M	Mechatronics
12.	U17MT034	JONNALAGADDA GOPALA KRISHNA MOHAN RAO	Mechatronics
13.	U17MT035	HARIHARAN E	Mechatronics
14.	U17MT036	SUSHIL KUMAR PASAWAN	Mechatronics
15.	U17MT037	DINESH N	Mechatronics

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22.	U17AM022	MARTHA CHAITANYA	Automobile
23.	U17AM023	BIRADAR GANESH	Automobile
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25.	U17AM026	SANJAI M	Automobile
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27.	U17AM029	GANGIREDDY PAVAN KUMAR REDDY .	Automobile
28.	U17AM030	GOUTHAM K	Automobile
29.	U17AM031	SHANKARANATHAN K	Automobile
30.	U17AM032	BARATH KUMAR R	Automobile
31.	U17AM033	DEVARAPALLI RAHUL	Automobile
32.	U17AM034	SARIYAM VIDYASAGAR	Automobile
33.	U17AM035	MOORABOINA NAGA RAJU .	Automobile
34.	U17AM036	TAMILARASAN S	Automobile
35.	U17AM037	PRATHWIN R S	Automobile
36.	U17AM038	TOVISHE ZHIMO	Automobile
37.	U17AM039	LEO VASANTH H	Automobile
38.	U17AM040	DHANALAKOTA DAVI PHANINDRA .	Automobile
39.	U17AM021	SHAIK REHAMAN	Automobile

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43.	U17ME221	RUDRAPATI	Mechanical
44.	U17ME231	PANDIYAN	Mechanical
45.	U17ME234	GALLA	Mechanical
46.	U17ME237	RAMKUMAR	Mechanical
47.	U17ME243	CHITTURI LOKESH KUMAR	Mechanical
48.	U17ME245	JILLAKARA DURGA LAXMANRAO	Mechanical
49.	U17ME246	KUNCHE	Mechanical
50.	U17ME260	MOLUGURI VIJAY KUMAR	Mechanical
51.	U17ME264	GOKUL	Mechanical
52.	U17ME272	KAVIYARASU	Mechanical
53.	U17ME276	BASHRUDIN MIYA MANSURI	Mechanical
54.	U17ME278	DHANUSH	Mechanical
55.	U17ME285	PANDURANGAN	Mechanical
56.	U17ME286	YOGACHENDOORAN	Mechanical
57.	U17ME015	KUNDRAPU	Mechanical
58.	U17ME018	MUKKAMALLA NANDISHWARA REDDY	Mechanical
59.	U17ME024	PALAPARTHI	Mechanical
60.	U17ME028	RANJITHKUMAR	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 : MECH ATRONICS

Date : 12-10-2018

Event / Speaker Name : INDUSTRIAL AUTOMATION AND CONTROL

- 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):

— outstanding —



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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 : 12-10-2018

Event / Speaker Name : INDUSTRIAL AUTOMATION AND CONTROL

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

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





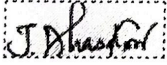
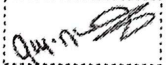
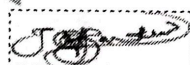
- Overall, how would you rate this Guest Lecture / Workshop / Seminar / Event/Value added course?

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

- Comments (If any):

excellent Presentation

MODEL CERTIFICATE

			
BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY			
CERTIFICATE OF PARTICIPATION			
<p>This is to certify that Prof./Dr./Mr./Ms. PALAPARTHI (U17ME024) Of BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY, BIHER, CHENNAI. He/She has Participated in a Seminar On "Industrial Automation and Control" Organized by the School of Mechanical Sciences, Department of Mechatronics, on 8th Oct 2018</p>			
			
Coordinator	Convener	Dean-Engineering	
Certificate No : BIST/MT/VAC/025		A	



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Department of Mechatronics

Value added course "Industrial Automation and Control"



Requisition Letter

Date: 10/01/2019

From

The HOD

Department Of Mechatronics

Bharath Institute of Higher Education and Research

Selaiyur, Chennai-600073

To

The Dean Engineering

Bharath Institute of Higher Education and Research

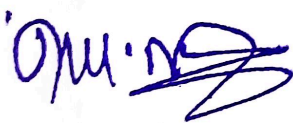
Selaiyur, Chennai-600073

Respected Sir,

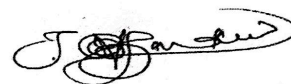
Subject: Requisition for conducting Value added Course-reg

School of Mechanical Sciences has planned to conduct value added course on “ An Introduction to Artificial Intelligence” on 18-02-2019. In this regard we kindly request you to grant permission for the same.

Thanking you



HOD/Mechatronics
Dr. P. SENGOTTUVEL,
PROFESSOR
DEPARTMENT OF MECHATRONICS
BHARATH UNIVERSITY,
CHENNAI-600 073.



Dean Engineering



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Date: 05.02.2019

Department of Mechatronics

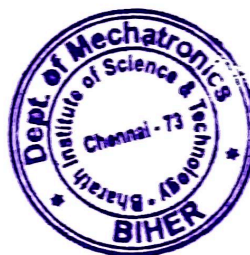
Circular

The Department of Mechatronics, BIHER is glad to conduct a 5 - day Value Added Program on "AN INTRODUCTION TO ARTIFICIAL INTELLIGENCE" dated from 18.02.2019 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. A. Vinoth Kumar
Assistant Professor,
SRM University,
Chennai.



Maximum No. of registration Allowed – 60

***First come first serve basis.**

Program Coordinator:

Mrs.V.G.VIJAYA

Assistant Professor

Mr.J.DHANASEKAR

Assistant Professor,

E-Mail: vijayasaravanan84@gmail.com

Mobile: 8870136732



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Department of Mechatronics

AN INTRODUCTION TO ARTIFICIAL INTELLIGENCE

OBJECTIVES

The primary objective of this course is to introduce the basic principles, techniques, and applications of Artificial Intelligence. Emphasis will be placed on the teaching of these fundamentals, not on providing a mastery of specific software tools or programming environments.

[DAY: 1]

MODULE I

(6 Hrs)

Demonstrate fundamental understanding of the history of artificial intelligence (AI) and its foundations. Apply basic principles of AI in solutions that require problem solving, inference, perception, knowledge representation, and learning.

[DAY: 2]

MODULE II

(6 Hrs)

Demonstrate awareness and a fundamental understanding of various applications of AI
Techniques in intelligent agents, expert systems,

[DAY: 3]

MODULE III

(6 Hrs)

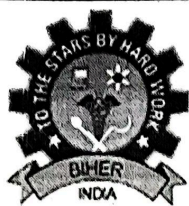
Artificial neural networks and other machine learning models, Demonstrate proficiency developing applications in an 'AI language', expert system shell, or data mining tool.

[DAY: 4]

MODULE

(6 Hrs)

Demonstrate proficiency in applying scientific method to models of machine learning.



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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 : 18/02/2019

Event / Speaker Name : an Introduction to Artificial Intelligence

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

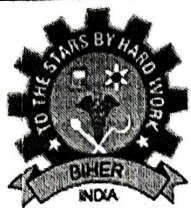
S.NO	Parameters	Below Average	Average	Good	Excellent	Outstanding
1.	The Topic					
	The choice of topic was relevant to me					✓
2.	The Lecturer / Speaker					
	Self-confidence			✓		
	Communication skills				✓	
	Doubts/ queries were answered satisfactorily			✓		
3.	The Content (Topic)					
	Refers to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



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FEEDBACK FORM

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Name of Department : Mechatronics

Date : 18/02/2019

Event / Speaker Name : An Introduction to Artificial Intelligence .

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

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

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

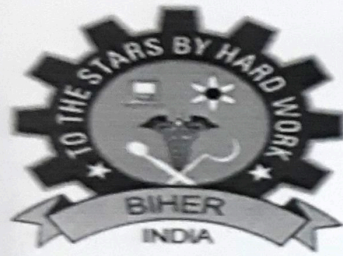
1. Below Average	2. Average	3. Good	4. Excellent	5. Outstanding
			✓	

- Comments (If any):

Excellent Event.

Model Certificate





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Department of Mechatronics

Value added course on An Introduction to Artificial Intelligence





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Department of Mechatronics

Value Added Course -AN INTRODUCTION TO ARTIFICIAL INTELLIGENCE

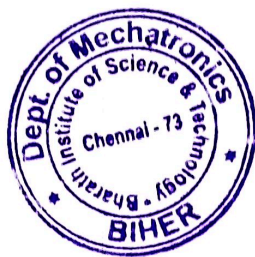
PARTICIPANTS LIST

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 NIRMAL	Mechatronics
20.	U18AM001	SETHURAMAN V	Automobile
21.	U18AM002	PUCHAKAYALA SAI TEJA	Automobile
22.	U18AM003	DINESH BALAJI R	Automobile
23.	U18AM005	DULAM YESWANTH REDDY	Automobile
24.	U18AM006	CHANDRU J	Automobile
25.	U18AM007	ADDURI SAI AKHIL	Automobile
26.	U18AM008	NARAYANAM KRISHNA SAI N	Automobile
27.	U18AM009	JANJANAM UTTEJ .	Automobile
28.	U18AM010	AVINASH R PATEL	Automobile
29.	U18AM011	GANESH U	Automobile
30.	U18AM012	REDDY DINESH	Automobile
31.	U18AM013	NAGISETTY VINAY PRASAD	Automobile
32.	U18AM014	VELALA D N V SYAM PRASAD	Automobile
33.	U18AM015	DHIVAKARAN B	Automobile
34.	U18AM016	SYAMALA CHAITANYA KRISHNA REDDY	Automobile

35.	U18AM017	JUNNURI BALA RANGAYYA NAIDU	Automobile
36.	U18AM019	POTHURAJU NITHIN	Automobile
37.	U18AM020	SUDHARSAN S	Automobile
38.	U18AM023	SHAIK KHASIM	Automobile
39.	U18AM024	VIGNESH G	Automobile
40.	U18AM001	SETHURAMAN V	Automobile
41.	U18ME002	SIVAKUMAR REDDY K	Mechanical
42.	U18ME003	MANOJ KANNA K	Mechanical
43.	U18ME004	MAHALINGESWARAN D	Mechanical
44.	U18ME008	SUNDRAMOORTHY S	Mechanical
45.	U18ME011	HARI PRASATH B K	Mechanical
46.	U18ME023	DINESH VIJAYAN K	Mechanical
47.	U18ME031	AVULA RAJESH KUMAR YADAV	Mechanical
48.	U18ME041	KANCHUMARTHI SAI	Mechanical
49.	U18ME049	KOPPISETTI PAVAN PRASANTH	Mechanical
50.	U18ME067	VINTURI VENKATA	Mechanical
51.	U18ME070	PATNAM KARUN KUMAR	Mechanical
52.	U18ME071	PAVULURI NAVEEN KUMAR	Mechanical
53.	U18ME074	CHAKALI KISHORE KUMAR	Mechanical
54.	U18ME075	GONDU SAGAR	Mechanical
55.	U18ME076	YAMA RAKESH	Mechanical

56.	U18ME084	VIGNESH P	Mechanical
57.	U18ME090	VINAY SAGAR	Mechanical
58.	U18ME094	BHASKAR VENKATA SAI	Mechanical
59.	U18ME097	YARRABOINA VENKATA SUBHASH	Mechanical
60.	U18ME098	SIVAPRASAD	Mechanical





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Requisition Letter

Date: 09.03.2018

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 “Arduino and Robotics” on 07/04/2018. 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: 13.03.2018

Circular

The of Department of Automobile Engineering, BIHER glad to conduct on five days value added program on “*Arduino and Robotics*” from 07.04.2018 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.S.Thirumavalavan and Mr.C. Thamocharan

Maximum no. of registration allowed – 60.

***First come first serve basis.**

Program coordinator

Mr. D. Mohankumar

Mr. C. Jagadeesh Vikram

h
13.03.18

Mr. C. Jagadeesh Vikram
13/03/18





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Department of Automobile Engineering

Five days Value added Program on “Arduino and Robotics” 7th April to 12th April 2018

Date	Morning Session (9 AM to 12 PM)	Afternoon Session (1.30 PM to 3.30 PM)
07.04.2018 (Saturday)	Mr. S. Thirumavalavan Assemble circuits on a breadboard, Program writing and assemble in a device	
09.04.2018 (Monday)	Mr. C. Thamotharan Receive data with the help of sensors, read off digital and analog signals,	Mr. S. Thirumavalavan Exchange data with a computer, create more complex algorithms, and use new output devices.
10.04.2018 (Tuesday)	Mr. C. Thamotharan Learning to explore the world around you with the help of a distance sensor, and visualize data on a computer.	Mr. S. Thirumavalavan Improve your programming skills by creating a device with moving components.
11.04.2018 (Wednesday)	Mr. S. Thirumavalavan Learning to connect your device to a network, plan its creation beforehand, control heavy loads, and power your device correctly.	
12.04.2018 (Thursday)	Mr. C. Thamotharan Turning one wheel and then two wheels at once, and the robot car will start moving. It'll be moving along the line or under your control. It could as well be just messing with your hand with which you are trying to control it.	Mr. S. Thirumavalavan Learnt to create a step motor and create devices which can perform very precise actions.

Program Coordinator:

Mr.D. Mohan Kumar

Mr.C. Jagadeesh Vikram,

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
ARDUINO AND ROBOTICS

Date

07.04.2018

Resource Person

**Mr. S. Thirumavalavan
&
Mr. C. Thamoetharan**

Program Coordinator

Mr. D. Mohan Kumar., AP / Automobile

Mr. C. Jagadeesh Vikram, 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 Engineering

Date : 07/04/2018

Event / Speaker Name : Certificate course on Arduino and Robotics

- 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):

outstanding experience



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Name of Department : Automobile Engineering

Date : 07/04/2018

Event / Speaker Name : Certificate course on Arduino and Robotics

- 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):

A lot of a good.

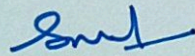


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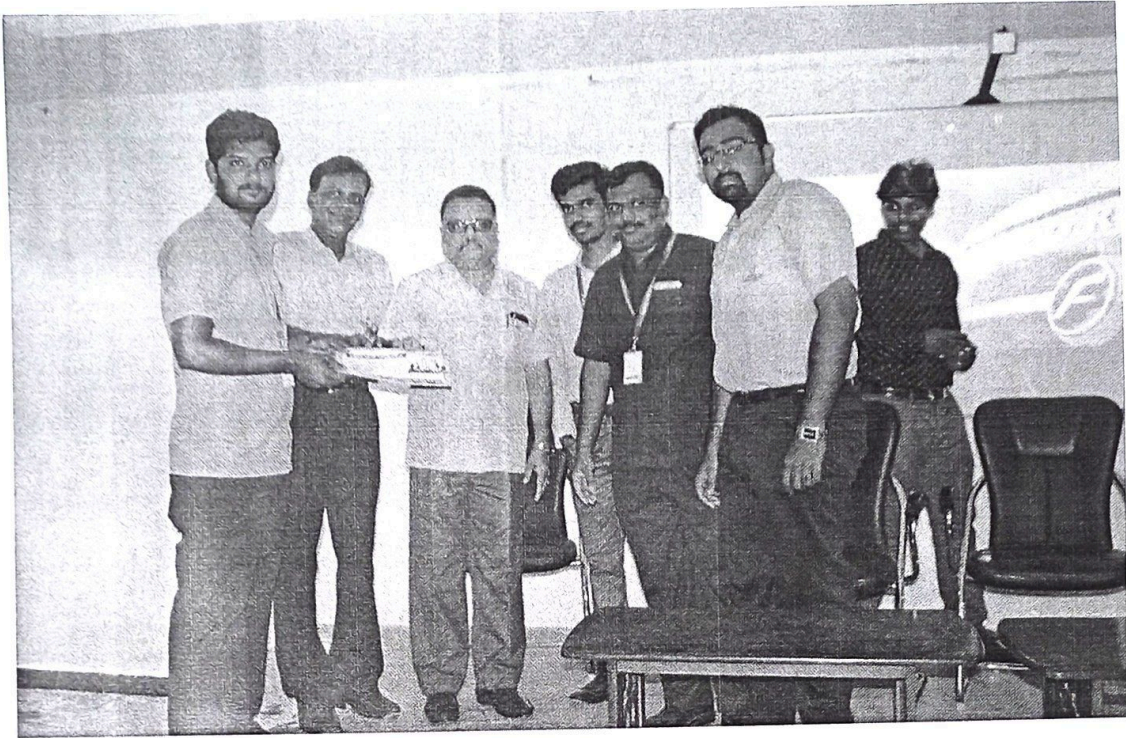
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

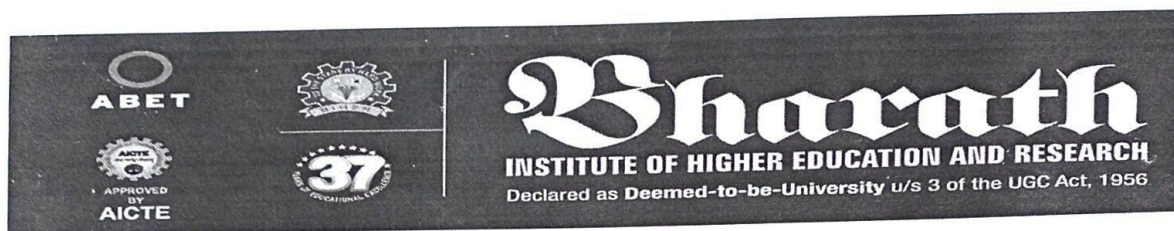
This is to certify that Mr/Ms KATTA Gopi KRISHNA has
attended the *Certificate course on Arduino and Robotics* programme
organized by Department of Automobile Engineering. Bharath Institute of
Higher Education and Research, Chennai on 07-04-18


Co-Ordinator


HOD


Dean
Mechanical Engineering





DEPARTMENT OF AUTOMOBILE ENGINEERING

STUDENTS NAME LIST

COURSE: Certificate course on Arduino and Robotics

DATE: 07.04.2018

ACADEMIC YEAR: 2018-2019

S.No	REG.NO	STUDENT NAME	DEPARTMENT	SIGNATURE
1	U15AM002	ABISHEK RAJAGOPAL	AUTOMOBILE	<i>Abhishek</i>
2	U15AM004	ASWIN S	AUTOMOBILE	<i>Aswin</i>
3	U15AM005	BHARANIDHARAN C	AUTOMOBILE	<i>Bharan</i>
4	U15AM006	GIRIDAAR A	AUTOMOBILE	<i>Giridhar</i>
5	U17MT007	SELVAMANI S	MECHATRONICS	<i>Selvan</i>
6	U17MT008	ARAVINTHAJ V J	MECHATRONICS	<i>Aravind</i>
7	U17MT009	SUDAKAR S R	MECHATRONICS	<i>Sudakar</i>
8	U15MT014	PADIYACHI MONISH DANASEKAR	MECHATRONICS	<i>Monish</i>
9	U15MT501	NAREN KUMAR	MECHATRONICS	<i>Naren</i>
10	U15MT503	MUGHIL VERMA	MECHATRONICS	<i>Mughil</i>
11	U16AM007	SUNDARESWARAN B	MECHATRONICS	<i>Sundar</i>
12	U16AM008	PALAPANDALA PRUDHVI	MECHATRONICS	<i>Prudhvi</i>
13	U16AM009	THAMIM ANSARI K	MECHATRONICS	<i>Thamim</i>
14	U16MT005	DHANASEKAR R	MECHATRONICS	<i>Dhanasekar</i>
15	U16MT006	GOUTHAM M	MECHATRONICS	<i>Goutham</i>
16	U16MT007	SATHIYASEELAN S	MECHATRONICS	<i>Sathyaseelan</i>
17	U16AM015	PARIMI SAI SURYA VAMSI	AUTOMOBILE	<i>Parimi</i>
18	U17AM013	SURAKANI PAVAN SAI	AUTOMOBILE	<i>Pavan</i>



19	U17AM014	KUMBHAR RAHUL	AUTOMOBILE	Kumbhar Rahul
20	U17AM015	KUTHE SOURABH SURESH.	AUTOMOBILE	Kuthe Sourabh Suresh
21	U17AM016	SHAJAHAN S	AUTOMOBILE	Shajahan S
22	U17ME075	VEDURUPARTHY KANAKA VENKATA SURESH	MECHANICAL	veduruparthi kanaka venkata suresh
23	U17ME090	LOKIREDDY VENKATA SHIVA KUMAR	MECHANICAL	lokireddy venkata shiva kumar
24	U17ME101	KATTA GOPI KRISHNA	MECHANICAL	Katta Gopi Krishna
25	U17ME102	HARISH	MECHANICAL	Harish
26	U17ME120	SUDDAPALLI JASWANTH SAI KUMAR	MECHANICAL	Jaswanth Sai
27	U17ME125	BURRAREDDYPALLE	MECHANICAL	Burrareddy
28	U17ME131	DASARI	MECHANICAL	Dasari
29	U17ME135	VEMULA CHANDU PRASAD	MECHANICAL	Vemula Prasad
30	U17ME140	PONKAM VARUN KUMAR	MECHANICAL	Ponkam Varun
31	U17ME144	ANNA PRUDHVI GOUTAM	MECHANICAL	Prudhvi
32	U15ME011	AKIRI	MECHANICAL	Akiri
33	U15ME013	AKULA ANJI BABU	MECHANICAL	Anji Babu
34	U15ME014	ALLAPURAM AKHIL BALANARAYANA REDDY	MECHANICAL	Akhil Reddy
35	U16ME029	DINESH KUMAR	MECHANICAL	Dinesh Kumar
36	U16ME031	ZHAKIRHUSSAIN	MECHANICAL	Zhakir Hussain
37	U16ME033	SHERIN T	MECHANICAL	Sherin T
38	U16ME035	PARTHAN	MECHANICAL	Parthan
39	U16ME041	SUVODEEP	MECHANICAL	Suvodeep
40	U16ME049	MOHAMED ABDULLAH	MECHANICAL	Mohamed Abdullah

No of Students Registered: 40

No of Students present: 40





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

Requisition Letter

Date: 22.08.2018

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 “Unmanned Vehicle Navigation” on 24/09/2018. 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
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Department of Automobile Engineering

Date: 30.08.2018

Circular

The of Department of Automobile Engineering, BIHER glad to conduct on four days value added program on “*Unmanned Vehicle Navigation*” from 24.09.2018 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 Dr. D. Ravi

Maximum no. of registration allowed – 60.

***First come first serve basis.**

Program coordinator

 30.08.18 · Mr. D. Mohankumar

 Mr. C. Jagadeesh Vikram





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

Department of Automobile Engineering

Five days Value added Program on “Unmanned Vehicle Navigation” 24th Sep to 28th Sep 2018

Date	Morning Session (9 AM to 12 PM)	Afternoon Session (1.30 PM to 3.30 PM)
24.09.2018 (Monday)	Dr. M. Senthil Kumar Introduction to Aerodynamics and computational fluid dynamics	Dr. D. Ravi Experimental aerodynamics and flow control for UAVs
25.09.2018 (Tuesday)	Dr. D. Ravi Multifunctional and microarchitectural lightweight structures for UAVs	
26.09.2018 (Wednesday)	Dr. D. Ravi Quadrotor dynamics and control	Dr. M. Senthil Kumar Fixed-wing dynamics and control
27.09.2018 (Thursday)	Dr. M. Senthil Kumar Navigation for UAVs, Path Planning for UAVs	Dr. D. Ravi Sensing and estimation for UAVs, Instrumentation and sensor payloads for UAVs, Computer vision for UAVs
28.09.2018 (Friday)	Dr. D. Ravi Remotely piloted UAV operation, performance and design aspects	

Program Coordinator:

Mr.D. Mohan Kumar

Mr.C. Jagadeesh Vikram,

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
UNMANNED VEHICLE NAVIGATION

Date

24.09.2018

Resource Person

Dr. M. Senthil Kumar
&
Dr. D. Ravi

Program Coordinator

Mr. D. Mohan Kumar., AP / Automobile
Mr. C. Jagadeesh Vikram, AP / Automobile



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

FEEDBACK FORM

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

Name of Department : Mechatronics
Date : 24/09/2018
Event / Speaker Name : Unmanned Vehicle Navigation

- 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 for this knowledge.



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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 : 24/03/2018

Event / Speaker Name : Unmanned vehical navigation

- 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):

Outstanding



CERTIFICATE OF APPRECIATION

This certificate is awarded to :

BALAJI N

Bharath university

Programme : UNMANNED VEHICLE NAVIGATION

Department : AUTOMOBILE ENGINEERING



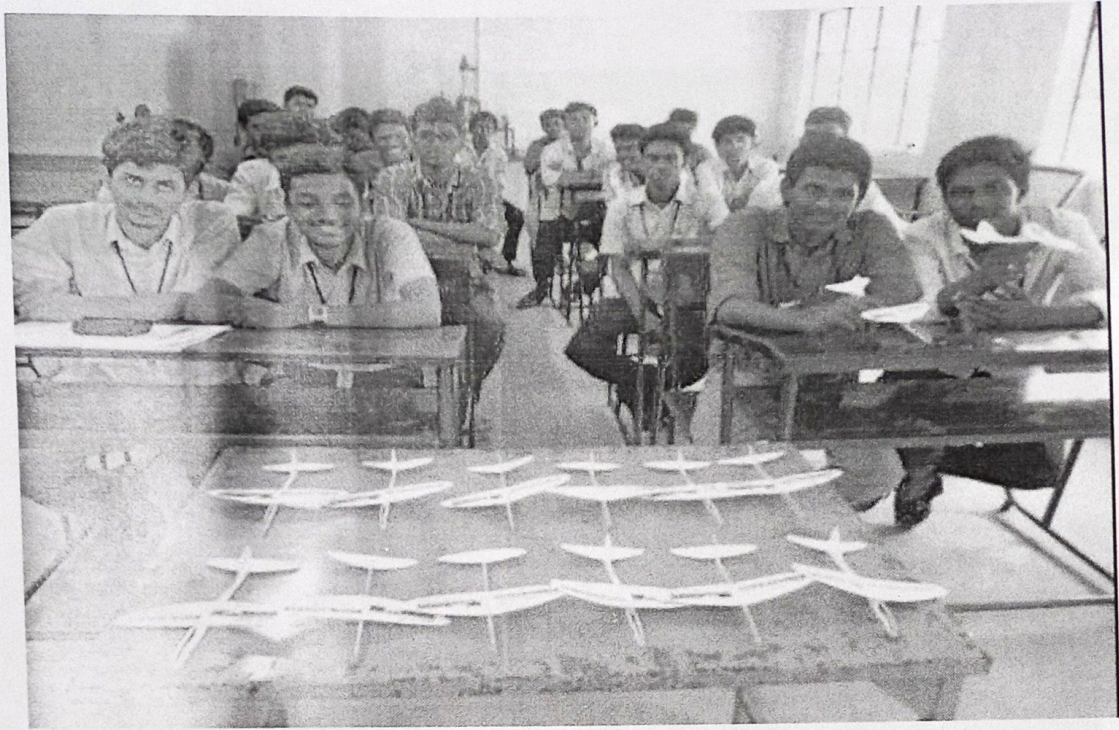
24-09-18

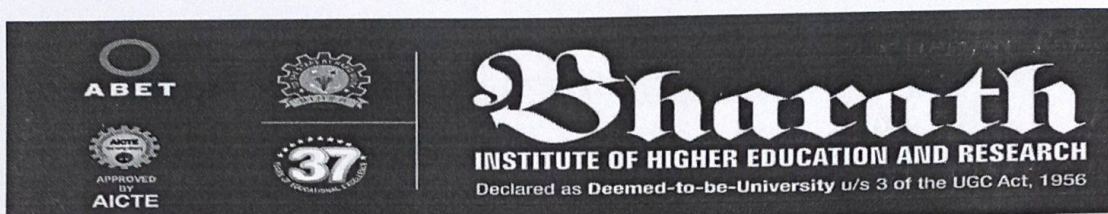

Co-ordinator


HOD


Dean
Mechanical Engineering







DEPARTMENT OF AUTOMOBILE ENGINEERING

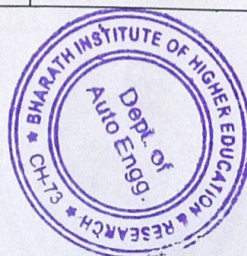
STUDENTS NAME LIST

COURSE: Unmanned Vehicle Navigation

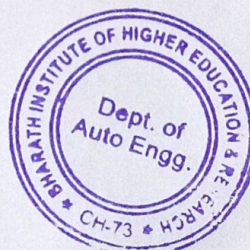
DATE: 24.09.2018

ACADEMIC YEAR: 2018-2019

S.No	REG.NO	STUDENT NAME	DEPARTMENT	SIGNATURE
1	U15AM002	ABISHEK RAJAGOPAL	AUTOMOBILE	Raja Rajagopal.
2	U15AM004	ASWIN S	AUTOMOBILE	Ashwin
3	U15AM005	BHARANIDHARAN C	AUTOMOBILE	Blharan
4	U15AM006	GIRIDAAR A	AUTOMOBILE	Giridhar
5	U15AM007	EDULA VISHNU GOVARDHAN REDDY	AUTOMOBILE	Govardhan Reddy.
6	U16AM007	SUNDARESWARAN B	AUTOMOBILE	SUNDARESWARAN.
7	U16AM008	PALAPANDALA PRUDHVI	AUTOMOBILE	Palapandala
8	U16AM009	THAMIM ANSARI K	AUTOMOBILE	Thamim
9	U16AM010	JAI KUMAR VERMA	AUTOMOBILE	Jai Kumar
10	U16AM012	MOHAMED IMTHIYAZ M	AUTOMOBILE	Mohamed.
11	U16AM014	KARMUGILAN V	AUTOMOBILE	Karmugilan
12	U17AM006	RANJITH R	AUTOMOBILE	Ranjith.
13	U17AM007	YOGESHWARAN K	AUTOMOBILE	Yogeshwaran
14	U17AM009	KARTHICK Y	AUTOMOBILE	Karthick.
15	U17AM011	GUTTULA DEEPAK	AUTOMOBILE	Deepak.



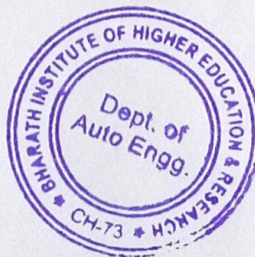
16	U17AM012	ABINASH N	AUTOMOBILE	Amudh
17	U17AM013	SURAKANI PAVAN SAI.	AUTOMOBILE	Pavansai
18	U15MT002	BALAJI N	MECHATRONICS	N. Balaji
19	U15MT003	INAYAT ULLA RABBANI	MECHATRONICS	Reel Inayat
20	U15MT004	INAYATHULLA A	MECHATRONICS	Inayatulla
21	U15MT005	KARTHIGAYAN P	MECHATRONICS	Karthiga
22	U16MT011	MELVINE ROHAN R	MECHATRONICS	B. Swathi
23	U16MT014	SARATHKUMAR D	MECHATRONICS	Sarathkumar
24	U16MT015	SOMENDRAN A	MECHATRONICS	Somendran
25	U16MT017	Y MOHAMMED SHAHID SHARIFF	MECHATRONICS	Shahid
26	U16MT018	RATHISH KRISHNAN R	MECHATRONICS	R. Krishnan
27	U17MT061	MOHAMMED ABBAS A	MECHATRONICS	Mohammed Akh
28	U17MT501	ADITHIYA M	MECHATRONICS	Adithiya
29	U17MT502	MUTHU VIJAY RAJA V	MECHATRONICS	Muthu Raja
30	U17MT503	DISHAN ASIR RAJ R	MECHATRONICS	Asir Raj
31	U15ME034	AVULA	MECHANICAL	Avula
32	U15ME035	BADAGALA	MECHANICAL	Badagala
33	U15ME036	BALAJI	MECHANICAL	Balaji
34	U15ME039	BASAVA GANESH REDDY	MECHANICAL	B. Ganesh Reddy
35	U15ME041	BHARATH KUMAR	MECHANICAL	Bharath Kumar
36	U16ME041	SUVODEEP	MECHANICAL	Suvodeep
37	U16ME049	MOHAMED	MECHANICAL	Mohamed



		ABDULLAH		
38	U16ME055	DEEPAK	MECHANICAL	Deepak
39	U16ME056	YOGESH	MECHANICAL	Yogesh
40	U16ME059	JEFRON	MECHANICAL	Jebron.
41	U16ME062	DANIEL	MECHANICAL	Daniel.
42	U16ME066	VASANTH KUMAR	MECHANICAL	Vasanth Kumar
43	U16ME078	KAMASANI	MECHANICAL	Kamasani.
44	U17ME263	KAKARLA TEJARAM MAHESH CHOWDARY	MECHANICAL	Tejesh Chowdary
45	U17ME266	KAMMA VENKAT NAVEEN KUMAR	MECHANICAL	Kamma Venk Naveen
46	U17ME268	ALLU	MECHANICAL	Allu.
47	U17ME275	KHALID	MECHANICAL	Khalid.
48	U17ME277	RANJITH	MECHANICAL	Ranjith
49	U17ME282	KALAIVANAN	MECHANICAL	Kalaivanan
50	U17ME284	NAZIR HUSSAIN MAZUMDER	MECHANICAL	Nazir Hussain Mazumder
51	U17ME287	ROLLAPATI AMARNATH REDDY	MECHANICAL	Rollapati
52	U17ME290	EZHIL EDINBURGH KOMAGAN	MECHANICAL	Ezhil Edin Koman

No of Students Registered: 52

No of Students present: 52





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Requisition Letter

Date: 16.10.2018

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 “Certificate course on Automobile Servicing” on 19/11/2018. In this regard we kindly request you to grant permission for the same.

Thanking You


HOD/AUTO


Dean Engineering





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

Department of Automobile Engineering

Date: 01.11.2018

Circular

The of Department of Automobile Engineering, BIHER glad to conduct on five days value added program on "*Certificate Course on Automobile Servicing*" from 19.11.2018 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. Padmanabhan and Dr. P. Naveenchandran

Maximum no. of registration allowed – 60.

***First come first serve basis.**

Program coordinator

Mr. E. Raja

Mr. C. Jagadeesh Vikram

E. Raja
C. Jagadeesh Vikram





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Department of Automobile Engineering

Five days Value added Program on “Certificate Course on Automobile Servicing” 19th Nov to 23rd Nov 2018

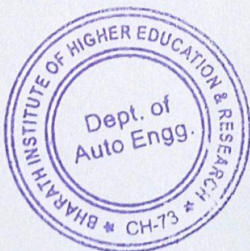
Date	Morning Session (9 AM to 12 PM)	Afternoon Session (1.30 PM to 3.30 PM)
19.11.2018 (Monday)	Dr. P. Naveenchandran Introduction to automobile engine components	Dr. S. Padmanabhan Introduction to automobile chassis components
20.11.2018 (Tuesday)	Dr. P. Naveenchandran Maintain a healthy, safe and secure working environment	Dr. S. Padmanabhan Assemblies and subassemblies in a vehicle and their basic functioning
21.11.2018 (Wednesday)	Dr. S. Padmanabhan Introduction to workshop tools and equipment and their usage	Dr. P. Naveenchandran Assist in performing diagnosis of vehicle for repair requirements
22.11.2018 (Thursday)	Dr. P. Naveenchandran Assist in performing diagnosis of vehicle for repair requirements	Dr. S. Padmanabhan Carry out routine service and minor repairs of mechanical and electrical aggregates
23.11.2018 (Friday)	Dr. P. Naveenchandran Plan and organise work to meet expected outcomes	

Program Coordinator:

Mr. E. Raja

Mr.C. Jagadeesh Vikram,

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

CERTIFICATE COURSE ON
AUTOMOBILE SERVICING

Date

19.11.2018

Resource Person

Dr. S. Padmanabhan
&
Dr. P. Naveenchandran

Program Coordinator

Mr. E. Raja, AP / Automobile

Mr. C. Jagadeesh Vikram, 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 Engineering

Date : 13/11/2018

Event / Speaker Name : certificate course in Automobile servicing

- 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



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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 : 19/11/2018

Event / Speaker Name : certificate course in Automobile servicing

- 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):

Super, outstanding



CERTIFICATE OF APPRECIATION

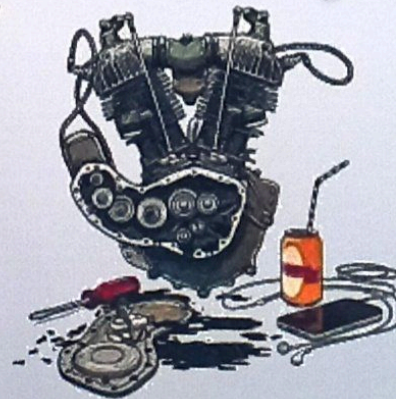
This certificate is awarded to :

RAJU BARMAN

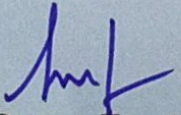
Bharath university

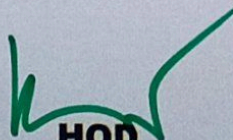
Programme : Certificate Course in **Automobile Servicing**

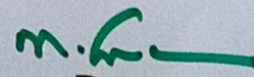
Department : **AUTOMOBILE ENGINEERING**



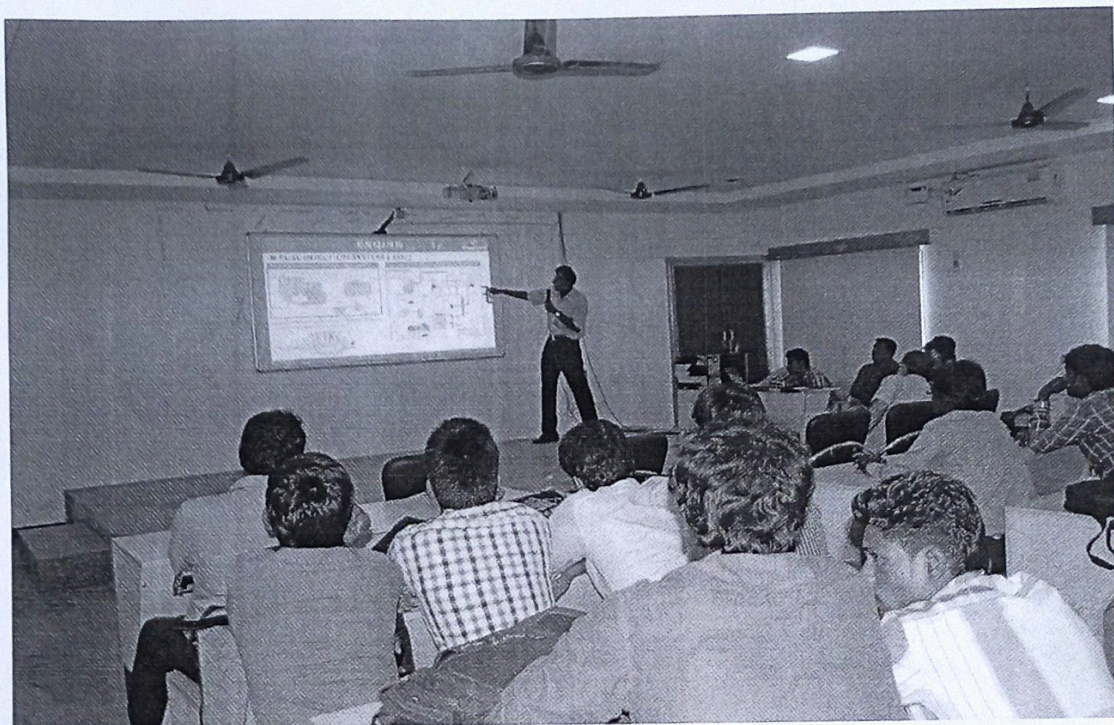
19-11-18

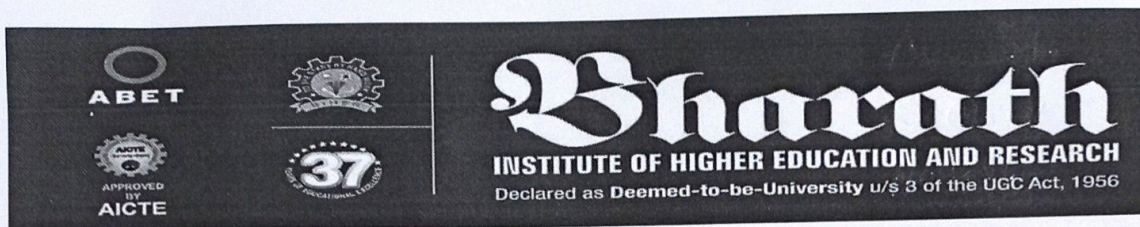

Co-ordinator


HOD


Dean
Mechanical Engineering







DEPARTMENT OF AUTOMOBILE ENGINEERING

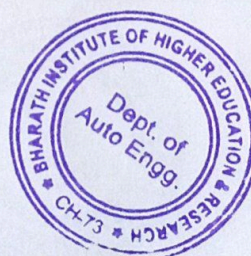
STUDENTS NAME LIST

COURSE: Certificate course in Automobile Servicing

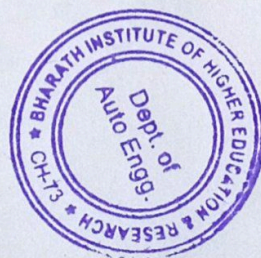
DATE: 19.11.2018

ACADEMIC YEAR: 2018-2019

S.No	REG.NO	STUDENT NAME	DEPARTMENT	SIGNATURE
1	U17AM002	PRAVEEN KUMAR G	AUTOMOBILE	P. Praveen. G.
2	U17AM003	ALIHUSSAIN MURTAZA	AUTOMOBILE	Murtaza
3	U17AM004	NAVEEN KUMAR U	AUTOMOBILE	Naveen Kumar
4	U17AM005	SUNDERJI G	AUTOMOBILE	Sunderji G
5	U17AM006	RANJITH R	AUTOMOBILE	Ranjith R
6	U16AM001	RAMACHANDRAN M	AUTOMOBILE	Ramachandran
7	U16AM002	LIBIN BOBBY	AUTOMOBILE	Libin Bobby
8	U16AM004	NANDA KUMAR K	AUTOMOBILE	Nanda Kumar
9	U16AM005	VASANTHKUMAR R	AUTOMOBILE	Vasanth Kumar
10	U16AM006	KARANPRAKASH R	AUTOMOBILE	Karan Prakash
11	U16AM007	SUNDARESWARAN B	AUTOMOBILE	Sundareswar
12	U16AM008	PALAPANDALA PRUDHVI	AUTOMOBILE	Prudhvi
13	U15AM021	Prem Kumar	AUTOMOBILE	Prem Kumar
14	U15AM022	Raju Barman	AUTOMOBILE	Raju
15	U15AM023	Rama Krishnan V K	AUTOMOBILE	Rama
16	U15AM024	Regula Bharath	AUTOMOBILE	Regula Bharath



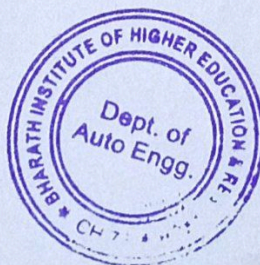
17	U15AM025	Sampada Rao Avinash	AUTOMOBILE	
18	U15AM026	Sathishkumar A	AUTOMOBILE	Sathish Kumar
19	U15AM027	Srihari K	AUTOMOBILE	Sathish Kumar
20	U15MT004	INAYATHULLA A	MECHATRONICS	Inayathulla
21	U15MT005	KARTHIGAYAN P	MECHATRONICS	Karthigayan
22	U15MT007	MOHAMMED IDRIS S	MECHATRONICS	Idris S
23	U15MT008	OVIAN NICHOLAS	MECHATRONICS	Ovian Nicholas
24	U15MT010	TADIKONDA SAI TEJA	MECHATRONICS	Tadi Sai
25	U15MT011	VIJAY S	MECHATRONICS	Vijay S.
26	U16MT004	SRINATH B	MECHATRONICS	Srinath
27	U16MT005	DHANASEKAR R	MECHATRONICS	Dhanasekar
28	U16MT006	GOUTHAM M	MECHATRONICS	Goutham
29	U16MT007	SATHIYASEELAN S	MECHATRONICS	Sathyaseelan
30	U16MT008	RAKESH P	MECHATRONICS	Rakesh P
31	U16MT009	ABDUL FAHEEM S	MECHATRONICS	Abul fahim
32	U17MT021	RATALA VENKATA MADHAV .	MECHATRONICS	Ratala Venk
33	U17MT022	GULAM GHOUSE B	MECHATRONICS	Gulam gouse
34	U17MT023	PRAVEEN R	MECHATRONICS	Praveen
35	U17MT024	MANIKANDAN V	MECHATRONICS	Manikandan
36	U17MT026	MADUGULA BALACHANDRA	MECHATRONICS	Balachandra
37	U17MT027	ALEX ANTO	MECHATRONICS	Alex Anto
38	U17MT028	HEMALATHA G	MECHATRONICS	Hemalatha
39	U17MT029	PRAKASH RAJ S	MECHATRONICS	Prakash
40	U17MT031	SYED SAMSUDEEN I	MECHATRONICS	Syed Sam



41	U15ME015	ALTAF	MECHANICAL	Altaf
42	U15ME016	AMBATI ADI ESWAR REDDY	MECHANICAL	Esmer Reddy
43	U15ME018	ANISH	MECHANICAL	Ankit
44	U15ME019	ANKIT	MECHANICAL	Ana
45	U15ME020	ANUP KUMAR	MECHANICAL	Anup Kumar
46	U15ME021	ARAVIND	MECHANICAL	Aravind
47	U16ME029	DINESH KUMAR	MECHANICAL	- AB -
48	U16ME031	ZHAKIRHUSSAIN	MECHANICAL	Zhakir Hussain
49	U16ME033	SHERIN T	MECHANICAL	Sherin
50	U16ME035	PARTHAN	MECHANICAL	Parthan
51	U16ME041	SUVODEEP	MECHANICAL	Suvodeep
52	U16ME049	MOHAMED ABDULLAH	MECHANICAL	- AB -
53	U16ME055	DEEPAK	MECHANICAL	Deepak
54	U16ME056	YOGESH	MECHANICAL	Yogesh
55	U16ME059	JEFRON	MECHANICAL	Jefferon
56	U17ME221	RUDRAPATI	MECHANICAL	Rudrapati
57	U17ME231	PANDIYAN	MECHANICAL	Pandiyam
58	U17ME234	GALLA	MECHANICAL	Galla

No of Students Registered: 58

No of Students present: 56





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

Requisition Letter

Date: 18.12.2018

From

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

To

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

Respected Sir,

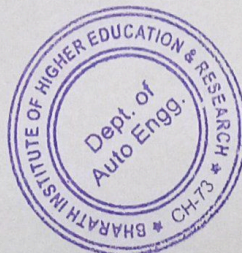
Sub: Requisition for conducting Value added course – reg.

School of Mechanical Engineering has planned to conduct Value added course on
“Computerized Wheel Balancing & Wheel Alignment” on 21/01/2019. 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: 03.01.2019

Circular

The of Department of Automobile Engineering, BIHER glad to conduct on five days value added program on "*Computerized Wheel Balancing & Wheel Alignment*" from 21.01.2019 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. S. Padmanabhan and Dr. M. Senthil Kumar

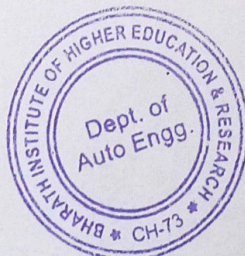
Maximum no. of registration allowed – 60.

***First come first serve basis.**

Program coordinator

Mr. E. Raja

Mr. D. Mohan Kumar





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Department of Automobile Engineering

Five days Value added Program on "Computerized Wheel Balancing & Wheel Alignment"
21st Jan to 25th Jan 2019

Date	Morning Session (9 AM to 12 PM)	Afternoon Session (1.30 PM to 3.30 PM)
21.01.2019 (Monday)	Dr. M. Senthil Kumar Introduction and safety procedures, Equipment operation, Suspension theory and design	Dr. S. Padmanabhan Alignment procedures, Pre-alignment checks, Suspension component repair and replacement
22.01.2019 (Tuesday)	Dr. S. Padmanabhan Alignment procedures, Manual steering control systems, Power steering control systems, Suspension components diagnosis, repair and replacement	Dr. M. Senthil Kumar Manual steering control systems, Power steering control systems, Testing and diagnosis of electronically controlled steering systems, Manual steering system repair and adjustment
23.01.2019 (Wednesday)	Dr. S. Padmanabhan Testing and diagnosis of electronically controlled steering systems, Manual steering system repair and adjustment	
24.01.2019 (Thursday)	Dr. M. Senthil Kumar Tire and wheel design, Tire balancing principles, Tire and wheel care	Dr. S. Padmanabhan Four wheel steering systems, Alignment of four wheel steer cars
25.01.2019 (Friday)	Dr. M. Senthil kumar Operation of computerized steering and ride controls	Dr. S. Padmanabhan Diagnosis and repair of computerized steering and ride controls

Program Coordinator:

Mr. E. Raja

Mr.D. Mohan Kumar,

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





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

COMPUTERIZED WHEEL BALANCING AND WHEEL ALIGNMENT

Date

21.01.2019

Resource Person

**Dr. S. Padmanabhan
&
Dr. M. Senthil Kumar**

Program Coordinator

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

Date : 21/01/2019

Event / Speaker Name : computerised wheel balancing and wheel alignment

- 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 Knowledge



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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 : 21/01/2019

Event / Speaker Name : Computerised wheel Balancing & wheel alignment

- 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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PARTICIPATION CERTIFICATE

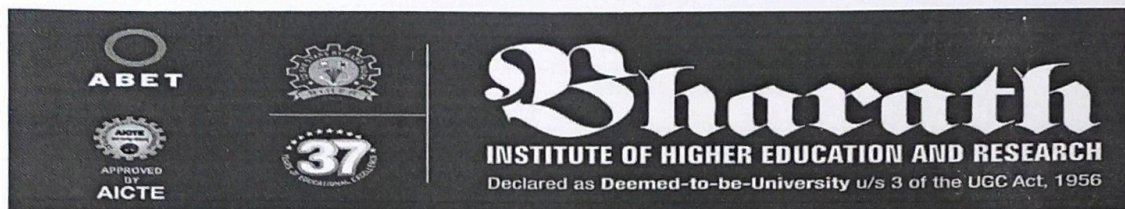
This is certified that Mr./Ms. **RAMACHANDRAN M**..... has attended the Certificate course on **Computerized Wheel Balancing & Wheel Alignment** programme organized by Department of Automobile Engineering, Bharath Institute of Higher Education and Research, Chennai on 21-01-19


Co-ordinator


HOD


Dean
Mechanical Engineering





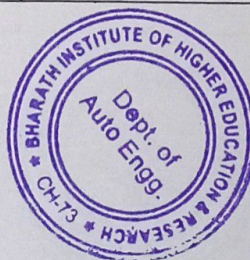
DEPARTMENT OF AUTOMOBILE ENGINEERING

STUDENTS NAME LIST

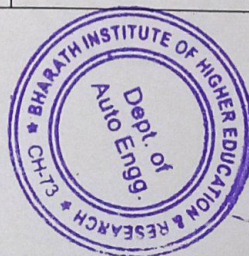
COURSE: Computerized Wheel Balancing & Wheel Alignment DATE: 21.1.2019

ACADEMIC YEAR: 2018-2019

S.No	REG.NO	STUDENT NAME	DEPARTMENT	SIGNATURE
1	U17AM002	PRAVEEN KUMAR G	AUTOMOBILE	<i>Praveen Kumar</i>
2	U17AM003	ALIHUSSAIN MURTAZA	AUTOMOBILE	<i>Murtaza</i>
3	U17AM004	NAVEEN KUMAR U	AUTOMOBILE	<i>Naveen Kumar</i>
4	U17AM005	SUNDERJI G	AUTOMOBILE	<i>Sunderji</i>
5	U17AM006	RANJITH R	AUTOMOBILE	<i>Ranjith</i>
6	U16AM001	RAMACHANDRAN M	AUTOMOBILE	<i>Ramachandran</i>
7	U16AM002	LIBIN BOBBY	AUTOMOBILE	<i>Libin Bobby</i>
8	U16AM004	NANDA KUMAR K	AUTOMOBILE	<i>Nanda Kumar</i>
9	U16AM005	VASANTHKUMAR R	AUTOMOBILE	<i>Vasanth Kumar</i>
10	U16AM006	KARANPRAKASH R	AUTOMOBILE	<i>Karan</i>
11	U16AM007	SUNDARESWARAN B	AUTOMOBILE	<i>Sundareswaran</i>
12	U16AM008	PALAPANDALA PRUDHVI	AUTOMOBILE	<i>Prudhvi</i>
13	U16AM701	B.Yaswanth Sai	AUTOMOBILE	<i>Yaswanth Sai</i>
14	U15AM024	Regula Bharath	AUTOMOBILE	<i>Regula Bharath</i>
15	U15AM025	Sampada Rao Avinash	AUTOMOBILE	<i>Sampada Rao</i>
16	U15AM026	Sathishkumar A	AUTOMOBILE	<i>Sathish Kumar</i>



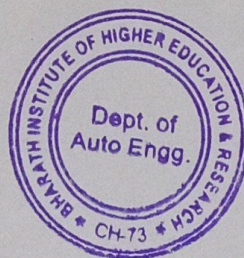
17	U15AM027	Srihari K	AUTOMOBILE	Soni K
18	U15MT001	AJITH S	MECHATRONICS	Ajith S.
19	U15MT002	BALAJI N	MECHATRONICS	Balaji N.
20	U15MT003	INAYAT ULLA RABBANI	MECHATRONICS	Inayat Ullah
21	U15MT004	INAYATHULLA A	MECHATRONICS	Inayathulla A.
22	U15MT005	KARTHIGAYAN P	MECHATRONICS	Karthigayan P.
23	U15MT007	MOHAMMED IDRIS S	MECHATRONICS	Mohammed Idris S.
24	U16MT007	SATHIYASEELAN S	MECHATRONICS	Sathyaseelan S.
25	U16MT008	RAKESH P	MECHATRONICS	Rakesh P.
26	U16MT009	ABDUL FAHEEM S	MECHATRONICS	Abdul Faheem S.
27	U16MT010	SAKTHI R	MECHATRONICS	Sakthi R.
28	U17MT054	VASANTH S	MECHATRONICS	Vasanth S.
29	U17MT055	YOKESH RAJ V	MECHATRONICS	Yokesh Raj V.
30	U17MT056	SURYA PRAKASH N	MECHATRONICS	Surya Prakash N.
31	U17MT057	SREE MUKESH R V	MECHATRONICS	Sree Mukesh R V.
32	U17MT058	NAGARAJ P	MECHATRONICS	Nagaraj P.
33	U15ME004	ABISHEK AHI	MECHANICAL	Abhishek Ahi.
34	U15ME005	ADHAV KRISHNA	MECHANICAL	Adhav Krishna.
35	U15ME007	AGASH RAJ	MECHANICAL	Agash Raj.
36	U15ME008	AGATHIYAN	MECHANICAL	Agathiyar.
37	U16ME093	MACHUNURU PRASAD KUMAR	MECHANICAL	Machunuru Prasad Kumar.
38	U16ME094	GOPAL KUMAR	MECHANICAL	Gopal Kumar.
39	U16ME098	PRAJEESH S NAIR	MECHANICAL	Prajeesh S Nair.
40	U16ME100	NAGIREDDY AJAYKUMAR	MECHANICAL	Nagireddy Ajay Kumar.



41	U16ME101	VIJAY	MECHANICAL	<i>Vijay</i>
42	U17ME285	PANDURANGAN	MECHANICAL	<i>Pandurangan</i>
43	U17ME286	YOGACHENDOORAN	MECHANICAL	<i>- AB -</i>
44	U17ME512	ABUBAKKAR SIDHEEK	MECHANICAL	<i>Amir</i>
45	U17ME513	BALAJI	MECHANICAL	<i>Balaji</i>
46	U17ME514	ABBAS	MECHANICAL	<i>Abbas</i>
47	U17ME519	GOWTHAM	MECHANICAL	<i>Gowtham</i>
48	U17ME603	KAUSIK SHANKAR	MECHANICAL	<i>- AB -</i>

No of Students Registered: 48

No of Students present: 46





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Requisition Letter

Date: 22.01.2019

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

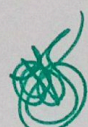
Respected Sir,

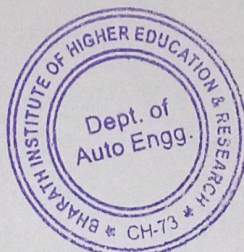
Sub: Requisition for conducting Value added course – reg.

School of Mechanical Engineering has planned to conduct Value added course on “Workshop in Diesel Pump Systems” on 18/02/2019. 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: 04.02.2019

Circular

The of Department of Automobile Engineering, BIHER glad to conduct on five days value added program on “*Workshop in Diesel Pump Systems*” from 18.02.2019 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. D. Mohan Kumar and Dr. M. Senthil Kumar

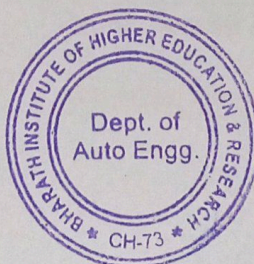
Maximum no. of registration allowed – 60.

***First come first serve basis.**

Program coordinator

Mr. E. Raja

Mr. C. Jagadeesh Vikram





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Department of Automobile Engineering

Five days Value added Program on “Workshop in Diesel Pump Systems” from 18th Feb to 22nd Feb 2019

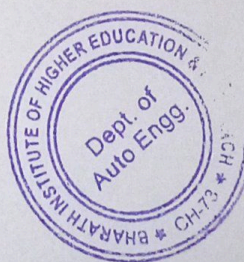
Date	Morning Session (9 AM to 12 PM)	Afternoon Session (1.30 PM to 3.30 PM)
18.02.2019 (Monday)	Mr.D. Mohan Kumar Fundamental Study: Identify the basic principles of diesel engines and diesel fuel injection,	Dr. M. Senthil Kumar Distinguish the main properties of diesel and diesel alternative fuels, Compare and evaluate various diesel engine application
19.02.2019 (Tuesday)	Dr. M. Senthil Kumar Common Rail System: Describe the main systems and sub-systems of common rail diesel fuel injection and how these systems interact, Identify the main design features of the common rail components	Mr.D. Mohan Kumar Basic Principles of Diesel Fuel Engines & Injection, Diesel and Alternative Fuels, Applications -- Passenger car; Light-duty; Heavy-duty; Off-highway; Pressure history, Common Rail System Overview
20.02.2019 (Wednesday)	Mr.D. Mohan Kumar Diesel pump systems: Low-pressure system, High-pressure system, Controls	Dr. M. Senthil Kumar Hydraulic Components, Pumps -- Radial piston; Inline piston, Rails, Injectors -- Solenoid; Piezo, Nozzles
21.02.2019 (Thursday)	Mr.D. Mohan Kumar Valves and actuators: Control valves -- Pressure control valve; Metering unit; Pressure relief valve	Dr. M. Senthil Kumar High-pressure lines, Controls, Overview, Requirements, Functions
22.02.2019 (Friday)	Mr.D. Mohan Kumar Components, ECU, Sensors	Dr. M. Senthil Kumar Actuators, Diesel Engine Overview

Program Coordinator:

Mr. E. Raja

Mr.C. Jagadeesh Vikram,

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





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

WORKSHOP IN DIESEL PUMP SYSTEMS

Date

18.02.2019

Resource Person

**Dr. M. Senthil Kumar
&
Mr. D. Mohan Kumar**

Program Coordinator

Mr. E. Raja, AP / Automobile

Mr. C. Jagadeesh Vikram, 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 : Mechatronics

Date : 18/02/2019

Event / Speaker Name : Workshop in Diesel pump system.

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

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

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

1. Below Average	2. Average	3. Good	4. Excellent	5. Outstanding
			<input checked="" type="checkbox"/>	

- Comments (If any):

good teaching



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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 : 18/09/2019

Event / Speaker Name : Workshop in Diesel Pump systems

- 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):

least many things in
Automobile ✓



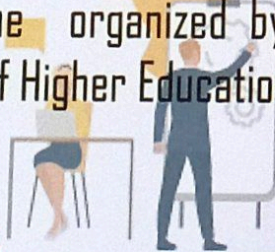
Bharath

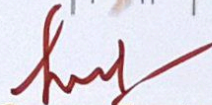
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

Workshop

PARTICIPATION CERTIFICATE


This is certified that Mr./Ms. SAMPADA RAO AVINASH has attended the Certificate course on **Workshop in Diesel Pump Systems** programme organized by Department of Automobile Engineering, Bharath Institute of Higher Education and Research, Chennai on 18-02-19




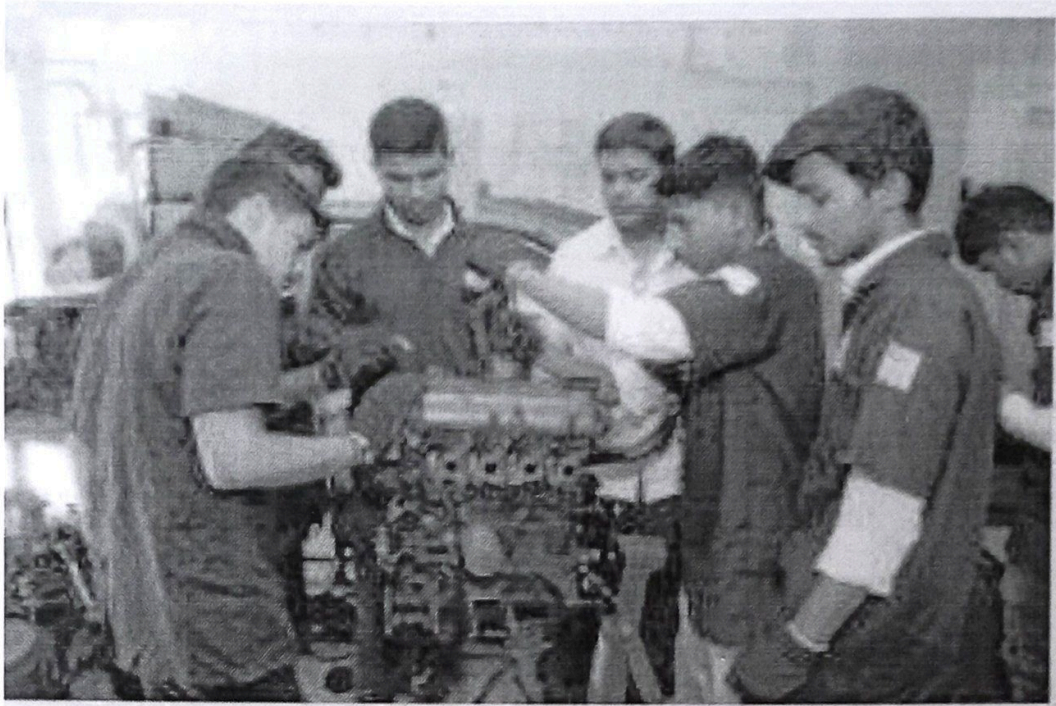

Co-ordinator

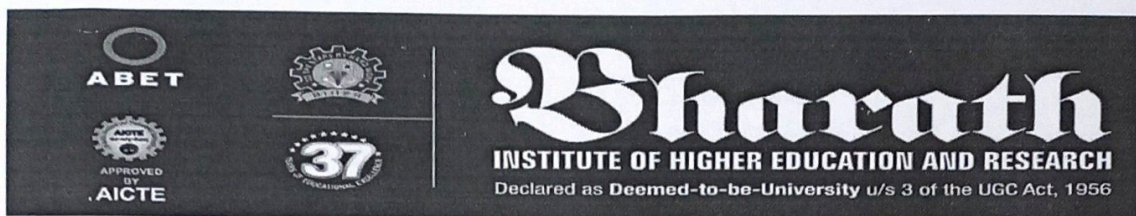



HOD




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Mechanical Engineering





DEPARTMENT OF AUTOMOBILE ENGINEERING

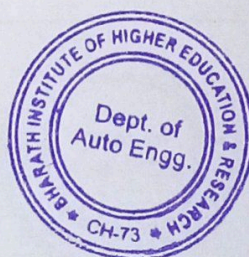
STUDENTS NAME LIST

COURSE: Workshop in Diesel Pump Systems

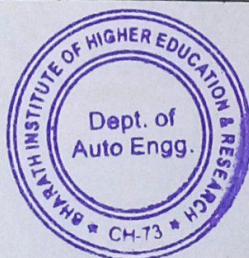
DATE: 18.02.2019

ACADEMIC YEAR: 2018-2019

S.No	REG.NO	STUDENT NAME	DEPARTMENT	SIGNATURE
1	U17AM002	PRAVEEN KUMAR G	AUTOMOBILE	<i>Praveen</i>
2	U17AM003	ALIHUSSAIN MURTAZA	AUTOMOBILE	<i>Ali Hussain</i>
3	U17AM004	NAVEEN KUMAR U	AUTOMOBILE	<i>Naveen</i>
4	U17AM005	SUNDERJI G	AUTOMOBILE	<i>Sunderji</i>
5	U17AM006	RANJITH R	AUTOMOBILE	<i>Ranjith</i>
6	U17AM007	YOGESHWARAN K	AUTOMOBILE	<i>Yogeshwaran</i>
7	U17AM009	KARTHICK Y	AUTOMOBILE	<i>Karthick</i>
8	U17AM011	GUTTULA DEEPAK	AUTOMOBILE	<i>Guttula Deepak</i>
9	U16AM001	RAMACHANDRAN M	AUTOMOBILE	<i>Ramachandran</i>
10	U16AM002	LIBIN BOBBY	AUTOMOBILE	<i>Libin Bobby</i>
11	U16AM004	NANDA KUMAR K	AUTOMOBILE	<i>Nanda Kumar</i>
12	U16AM005	VASANTHKUMAR R	AUTOMOBILE	<i>Vasanth Kumar</i>
13	U16AM006	KARANPRAKASH R	AUTOMOBILE	<i>Karan Prakash</i>
14	U15AM025	SAMPADA RAO AVINASH	AUTOMOBILE	<i>Sampada Rao</i>
15	U15AM026	SATHISHKUMAR A	AUTOMOBILE	<i>Sathish Kumar</i>
16	U15AM027	SRIHARI K	AUTOMOBILE	<i>Srihari</i>



17	U15AM028	TARIGOPPALA NITHIN KUMAR	AUTOMOBILE	Ran N
18	U15MT501	NAREN KUMAR	MECHATRONICS	Naren
19	U15MT503	MUGHIL VERMA	MECHATRONICS	Mughil
20	U15MT702	NEELAM SRIKANTH	MECHATRONICS	Neelam
21	U15MT703	MOHANAKUMARESAN B	MECHATRONICS	Mohan
22	U15MT704	HARI PRASATH V K	MECHATRONICS	Hari
23	U16MT015	SOMENDRAN A	MECHATRONICS	Som. A
24	U16MT017	Y MOHAMMED SHAHID SHARIFF	MECHATRONICS	Y. Moham
25	U16MT018	RATHISH KRISHNAN R	MECHATRONICS	Rathish
26	U16MT501	MUGILAN M	MECHATRONICS	Mugilan
27	U17MT504	ARAVIND K	MECHATRONICS	Aravind
28	U17MT701	KEERTHIVASAN G	MECHATRONICS	Keerthi
29	U17MT703	KOLLATI NAGA SIVA .	MECHATRONICS	Kollati
30	U15ME182	PRINCE KUMAR	MECHANICAL	Prince
31	U15ME184	PUTTANA NAVEEN KUMAR REDDY	MECHANICAL	Puttana
32	U15ME186	PUTTURU	MECHANICAL	Puttur
33	U15ME187	ANANTH KUMAR	MECHANICAL	Ananth
34	U15ME188	PONMOORTHY	MECHANICAL	Ponmoorthy
35	U15ME189	GILL JEFERIN	MECHANICAL	Gill
36	U15ME701	SARAVANAN	MECHANICAL	Saravan
37	U15ME702	SATHISH	MECHANICAL	Sathish
38	U15ME703	ARUNKUMAR	MECHANICAL	Arunkumar
39	U15ME704	DIVINO	MECHANICAL	Divino
40	U16ME106	RAJEEV KUMAR	MECHANICAL	Rajeev



41	U16ME107	MANOJ	MECHANICAL	-AB-
42	U16ME113	PYNKHLAINBORLANG	MECHANICAL	Pynkhlain
43	U16ME115	GUNA	MECHANICAL	Guna
44	U16ME119	PALAPALA	MECHANICAL	-AB-
45	U17ME054	BALAGA	MECHANICAL	Balaga
46	U17ME055	GUDUGUNTLA SRAVAN KUMAR	MECHANICAL	Guduguntla
47	U17ME079	JADDU SIVA RAMA KRISHNA	MECHANICAL	-AB-
48	U17ME080	ANGADALA PAVAN KALYAN	MECHANICAL	Angadala
49	U17ME094	KARRI GOWTHAM MALLA REDDY	MECHANICAL	Karri
50	U17ME095	SARAKANA UDAY KUMAR	MECHANICAL	-AB-
51	U17ME111	SERU SAI RAM REDDY	MECHANICAL	Seru
52	U17ME124	BALAGA	MECHANICAL	Balaga

No of Students Registered: 52

No of Students present: 48





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

Requisition Letter

Date: 19.02.2019

From

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

To

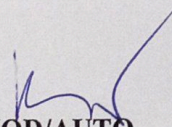
The Dean Engineering,
Bharath Institute of Higher Education and Research,
Selaiyur, Chennai - 73

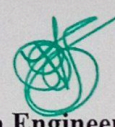
Respected Sir,

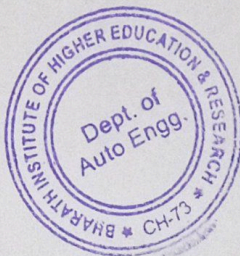
Sub: Requisition for conducting Value added course – reg.

School of Mechanical Engineering has planned to conduct Value added course on “Certificate Course in Refrigeration and Air-conditioning Systems” on 18/03/2019. 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: 04.03.2019

Circular

The of Department of Automobile Engineering, BIHER glad to conduct on five days value added program on "*Certificate Course in Refrigeration & Air-Conditioning System*" from 18.03.2019 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. S. Nakeeran and Mr. S. Thirumavalavan

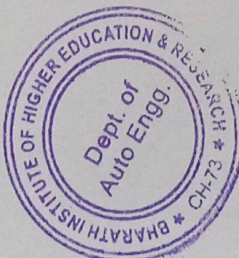
Maximum no. of registration allowed – 60.

***First come first serve basis.**

Program coordinator

Mr. E. Raja

Mr. C. Jagadeesh Vikram





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Department of Automobile Engineering

Five days Value added Program on "Certificate Course in Refrigeration and Air-Conditioning Systems" from 18th March to 22nd March 2019

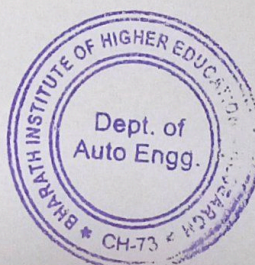
Date	Morning Session (9 AM to 12 PM)	Afternoon Session (1.30 PM to 3.30 PM)
18.03.2019 (Monday)	Mr. S. Nakeeran Health and safety precautions, use of PPE, History of Refrigeration	Mr. S. Thirumavalavan Identification and use of basic tools and measuring instruments
19.03.2019 (Tuesday)	Mr. S. Thirumavalavan Basics of Science and Physics, basics of Electrical and Electronics and testing of PCB components.	Mr. S. Nakeeran Principles and working of Refrigeration system, Compressor, Condenser, Evaporator, Refrigerant Control Device
20.03.2019 (Wednesday)	Mr. S. Nakeeran System support accessories, Lubrication, Refrigerant, preventive maintenance, fault diagnosis and repairing.	Mr. S. Thirumavalavan Study of different models of refrigerator, PCB error codes,
21.03.2019 (Thursday)	Mr. S. Thirumavalavan Internal wiring, Insulation and its properties, rectification of faults and preventive maintenance.	
22.03.2019 (Friday)	Mr. S. Nakeeran Types of Domestic Air condition machines, components, operations	Mr. S. Thirumavalavan Internal wiring, installation, PCB error codes, fault finding and repairing.

Program Coordinator:

Mr. E. Raja

Mr.C. Jagadeesh Vikram,

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

CERTIFICATE COURSE IN
REFRIGERATION AND AIR CONDITIONING

Date

18.03.2019

Resource Person

Mr. S. Nakkeeran
&
Mr. S. Thirumavalavan

Program Coordinator

Mr. E. Raja, AP / Automobile

Mr. C. Jagadeesh Vikram, 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 engineering

Date : 18/02/2019

Event / Speaker Name : Certificate course in Refrigeration and Air Conditioning.

- 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 teaching.



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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 : 18/03/2019

Event / Speaker Name : Certificate Course in Refrigeration & Air Conditioning

- 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 staff



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CERTIFICATE

OF APPRECIATION

This is to certify that

TADIKONDA SAI TEJA

Of


BHARATH UNIVERSITY

DATE: 18-03-2019

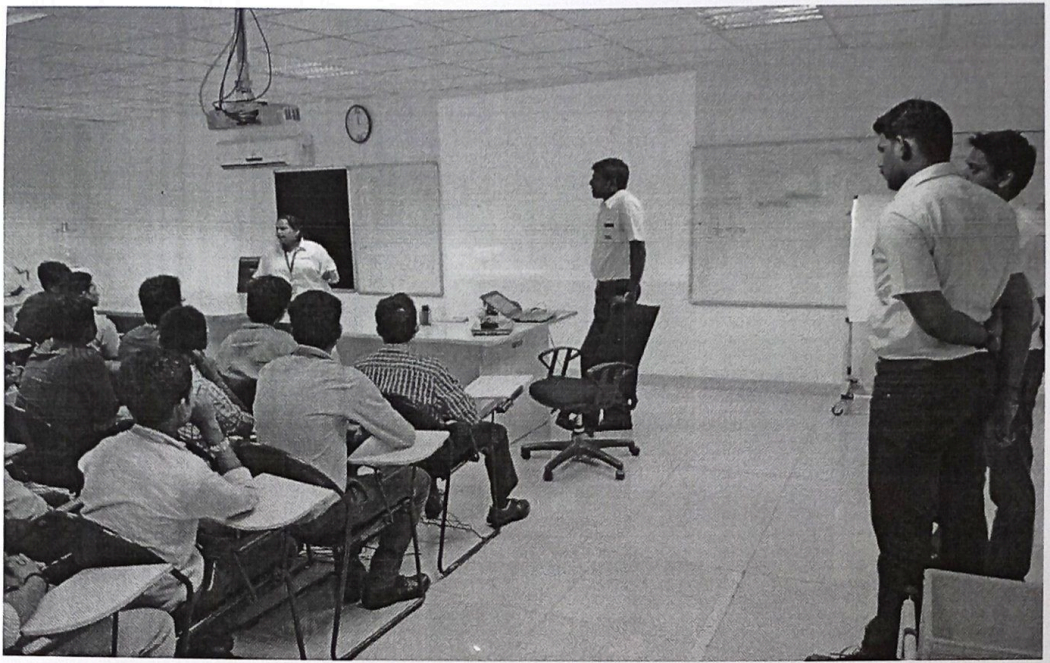
Has attended the
Certificate Course in Refrigeration & Air-conditioning
Organized by
Department of Automobile Engineering
Bharath Institute of Higher Education and Research,
Chennai, Tamil Nadu.

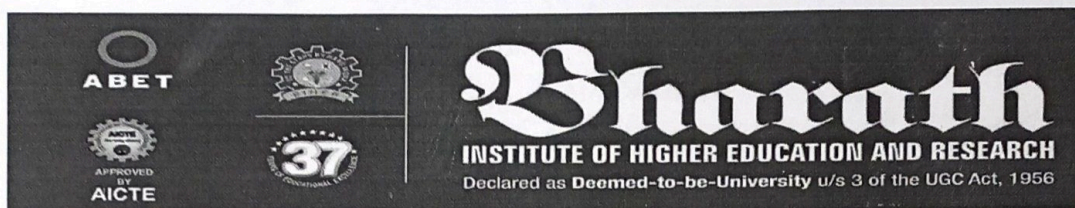

Co-ordinator


HOD


**Dean
Mechanical Engineering**







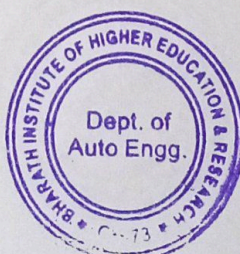
DEPARTMENT OF AUTOMOBILE ENGINEERING

STUDENTS NAME LIST

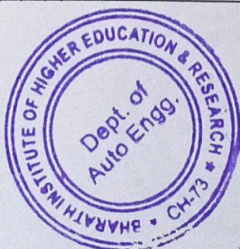
COURSE: Certificate Course in Refrigeration & Air-conditioning DATE: 18.03.2019

ACADEMIC YEAR: 2018-2019

S.No	REG.NO	STUDENT NAME	DEPARTMENT	SIGNATURE
1	U17AM002	PRAVEEN KUMAR G	AUTOMOBILE	Praaveen G
2	U17AM003	ALIHUSSAIN MURTAZA	AUTOMOBILE	Ali Hussain
3	U17AM004	NAVEEN KUMAR U	AUTOMOBILE	Naveen K
4	U17AM005	SUNDERJI G	AUTOMOBILE	Sunderji G
5	U17AM006	RANJITH R	AUTOMOBILE	Ranjith R
6	U17AM007	YOGESHWARAN K	AUTOMOBILE	Yogeshwaran K
7	U17AM009	KARTHICK Y	AUTOMOBILE	Karthick Y
8	U17AM011	GUTTULA DEEPAK	AUTOMOBILE	Guttula Deepak
9	U16AM001	RAMACHANDRAN M	AUTOMOBILE	Ramachandran M
10	U16AM002	LIBIN BOBBY	AUTOMOBILE	Libin Bobby
11	U16AM004	NANDA KUMAR K	AUTOMOBILE	Nanda Kumar K
12	U16AM005	VASANTHKUMAR R	AUTOMOBILE	Vasanthkumar R
13	U16AM006	KARANPRAKASH R	AUTOMOBILE	Karanprakash R
14	U16AM007	SUNDARESWARAN B	AUTOMOBILE	Sundareswaran B
15	U15AM022	RAJU BARMAN	AUTOMOBILE	Raju Barman



16	U15AM023	RAMA KRISHNAN V K	AUTOMOBILE	Ram kr. V K
17	U15AM024	REGULA BHARATH	AUTOMOBILE	-AB-
18	U15AM025	SAMPADA RAO AVINASH	AUTOMOBILE	Sampada Rao
19	U15MT005	KARTHIGAYAN P	MECHATRONICS	Karthi.
20	U15MT007	MOHAMMED IDRIS S	MECHATRONICS	S. Mohammed
21	U15MT008	OVIAN NICHOLAS	MECHATRONICS	Ovian N.
22	U15MT010	TADIKONDA SAI TEJA	MECHATRONICS	Tadikonda
23	U16MT004	SRINATH B	MECHATRONICS	-AB-
24	U16MT005	DHANASEKAR R	MECHATRONICS	Dhan. R.
25	U16MT006	GOUTHAM M	MECHATRONICS	-AB-
26	U16MT007	SATHIYASEELAN S	MECHATRONICS	Sathiyas.
27	U17MT051	BOLLEDDU RAVI TEJA .	MECHATRONICS	-AB-
28	U17MT052	SATHISH KUMAR S	MECHATRONICS	Sathish k.
29	U17MT053	GOKULAKRISHNAN U	MECHATRONICS	-AB-
30	U17MT054	VASANTH S	MECHATRONICS	Vasanth
31	U17MT055	YOKESH RAJ V	MECHATRONICS	Yokesh R.
32	U17MT056	SURYA PRAKASH N	MECHATRONICS	Surya P.
33	U15ME164	NEHAL	MECHANICAL	-AB-
34	U15ME165	PALA	MECHANICAL	Pala
35	U15ME166	PALANNA CALVIN DENNIS HARISON	MECHANICAL	Palanna
36	U15ME167	PANKAJ KUMAR	MECHANICAL	Pankaj
37	U15ME168	PANTHANGI PAVAN KALYAN	MECHANICAL	Panthangi



38	U15ME169	PARANI SUNDAR	MECHANICAL	Karan Sun
39	U15ME170	PARIPALLI	MECHANICAL	Ravi M-i
40	U15ME171	PARTHIBAN	MECHANICAL	Parthib.
41	U15ME172	PARUPALLI	MECHANICAL	Ravi R.
42	U16ME129	DEEPAK RAJAN	MECHANICAL	Deepak R.
43	U16ME131	VIJAY	MECHANICAL	Vijay
44	U16ME133	AKASH	MECHANICAL	Akash
45	U16ME134	ARANYA	MECHANICAL	Aran
46	U16ME140	MO WASEEM	MECHANICAL	Mo Waseem
47	U16ME504	MASAPALLI	MECHANICAL	Masalli
48	U17ME246	KUNCHE	MECHANICAL	Kunche
49	U17ME260	MOLUGURI VIJAY KUMAR	MECHANICAL	Moluguri
50	U17ME264	GOKUL	MECHANICAL	Gokul
51	U17ME272	KAVIYARASU	MECHANICAL	Kaviyasu
52	U17ME276	BASHRUDIN MIYA MANSURI	MECHANICAL	Bashrudin
53	U17ME278	DHANUSH	MECHANICAL	Dhanush
54	U17ME285	PANDURANGAN	MECHANICAL	Panduran
55	U17ME286	YOGACHENDOORAN	MECHANICAL	Yechendooran
56	U17ME512	ABUBAKKAR SIDHEEK	MECHANICAL	Abubakar

No of Students Registered: 56

No of Students present: 50

