

Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
Declared as **DEEMED-TO-BE UNIVERSITY** as per the UGC Act, 1956

01/12/2021
Chennai

From

Dr.P. Naveen Chandran,
Professor & Head,
Department of Automobile Engineering,
Bharath Institute of Higher Education and Research,
Chennai – 600017.

To

The Dean Engineering,
Bharath Institute of Higher Education and Research,
Chennai – 600017.

Sub: Permission to conduct value- added course: Electric vehicles and system design- reg.,

Respected Sir,

With reference to subject mentioned above, the department proposes to conduct a value-added course titled: **Electric vehicles and system design** on 12/12/2021. We kindly solicit your kind permission to commence the program.

Warm Regards,

Dr.P Naveen Chandran

DEAN- Engineering

Professor & Head
Department of Automobile Engineering
BIST, Bharath University
Chennai - 600 073.

BHARATH INSITUTE OF HIGHER EDUCATION AND RESEARCH

SELAIYUR CHENNAI – 73

2021 TO 2022

VALUE ADDED COURSE

ELECTRICAL VEHICLES AND SYSTEM DESIGN

RESOURCE PERSON DETAILS

Faculty Name: Dr. Lingesan Subramani, Associate Professor, Department of Automobile Engineering

Mail ID: s.lingesan@gmail.com

Mobile Number: +919626126744

Bharath Institute of Higher Education & Research				
School of Mechanical Science				
Value Added Course: Electric vehicles and system design Course Duration:30				
S.No	Date	Topic	Time	Hour
1	12/12/2021	Characteristics of battery, rating, capacity and efficiency of batteries	12.00-5.00 Pm	5
2	13/12/2021	Various tests on battery condition	12.00-5.00 Pm	5
3	14/12/2021	Modern storage batteries-Lion-Nickel	1.00-5.00 Pm	4
4	15/12/2021	Batteries for electric cars	1.00-5.00 Pm	4
5	16/12/2021	Condition of starting Behavior of starter during starting.	1.00-5.00 Pm	4
6	17/12/2021	Series motor and its characteristics	1.00-5.00 Pm	4
7	18/12/2021	Principle & construction of starter motor	1.00-5.00 Pm	4

COURSE OBJECTIVES

This course introduces the fundamental concepts, principles, analysis and design of Electric vehicles and system design.

Day 1 - Characteristics of battery, rating, capacity and efficiency of batteries

Day 2 – Various tests on battery condition

Day 3 – Modern storage batteries- Lion- Nickel

Day 4 – Batteries for electric cars-

Day 5 – Condition of starting Behavior of starter during starting.

Day 6 – Series motor and its characteristics

Day 7 - Principle & construction of starter motor.



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School of Mechanical Science

Participant List

Value Added Course: Electric vehicles and system design

Sl. No	Register No	Name	Department
1.	U16AM001	RAMACHANDRAN M	Automobile Engineering
2.	U16AM002	KARMUGILAN V	Automobile Engineering
3.	U16AM003	PALAPANDALA	Automobile Engineering
4.	U16AM004	AMAL PHILIP GEORGE	Automobile Engineering
5.	U16AM006	PRADEEPAN S	Automobile Engineering
6.	U16AM008	DINESH J	Automobile Engineering
7.	U16AM010	ARUL L	Automobile Engineering
8.	U16AM012	MURUGAN P	Automobile Engineering
9.	U16AM014	RAJESH A	Automobile Engineering
10.	U16AM015	ASHOK K	Automobile Engineering
11.	U16AM017	RAKESH KUMAR L	Automobile Engineering
12.	U16AM019	ARUN P	Automobile Engineering
13.	U16AM021	DHANUSH P	Automobile Engineering
14.	U16AM023	ABDUL FAHEEM S	Automobile Engineering
15.	U16MT001	PRADEEPAN K	Mechatronics
16.	U16MT002	RAAHUL A	Mechatronics
17.	U16MT003	DINESH KUMAR P	Mechatronics
18.	U16MT004	SRINATH D	Mechatronics
19.	U16MT005	DHANASEKAR R	Mechatronics
20.	U16MT005	CHIRANJEEVI K	Mechatronics
21.	U16ME045	JEYABHARATHI R	Mechanical Engineering
22.	U16ME047	THIRUGNANA SAMMANDAM R	Mechanical Engineering

23.	U16ME056	KAMPARAJU RAM SRINIVAS RAJU	Mechanical Engineering
24.	U16ME059	BALAJI P	Mechanical Engineering
25.	U16ME062	PAKAM SARATH KUMAR	Mechanical Engineering
26.	U16ME066	YETTELLA BHUVANESWARA REDDY	Mechanical Engineering
27.	U16ME068	CHALLA GIREESH	Mechanical Engineering
28.	U16ME019	EDLA MANISH	Mechanical Engineering
29.	U16ME021	DARAM PRITHVI RAJ	Mechanical Engineering
30.	U16AM047	MANISH P MUTREJA	Automobile Engineering
31.	U16AM048	HARIHARAN S	Automobile Engineering

Course Feedback form

Date: 21/12/2021

Course Title: Electric vehicles and system design

Name: DHINESH J

Reg No: U16AM008

Department: AUTOMOBILE ENGINEERING

S.No	Particulars	1	2	3	4	5
(1. Very Unsatisfied 2. Unsatisfied 3. Neutral 4. Satisfied 5. Very Satisfied)						
1.	objectives of the course clear to you					✓
2.	The course contents met with your expectations				✓	
3.	The lecture sequence was well planned				✓	
4.	The lectures were clear and easy to understand				✓	
5.	The teaching aids were effective					✓
6.	The instructors encourage interaction and were helpful					✓
7.	The level of the course					✓
(1. Very poor 2. Poor 3. Average 4. Good 5. Excellent)						
8.	Overall rating of the course:	1	2	3	4	5

Please give Suggestion for the improvement of the course: NIL

Weakness of the course: ND

Strength of the course: ND


Signature

*** Thank you ***

Course Feedback form

Date: 21/12/2021.

Course Title: Electric vehicles and system design

Name: : Raman Chandran m.
 Reg No: : V16AM001
 Department: Automotive

S.No	Particulars	1	2	3	4	5
(1. Very Unsatisfied 2. Unsatisfied 3. Neutral 4. Satisfied 5. Very Satisfied)						
1.	objectives of the course clear to you					✓
2.	The course contents met with your expectations					✓
3.	The lecture sequence was well planned					✓
4.	The lectures were clear and easy to understand				✓	
5.	The teaching aids were effective					✓
6.	The instructors encourage interaction and were helpful				✓	
7.	The level of the course					✓
(1. Very poor 2. Poor 3. Average 4. Good 5. Excellent)						
8.	Overall rating of the course:	1	2	3	4	5 ✓

Please give Suggestion for the improvement of the course: *- Customer expectation to be fulfilled.*

Weakness of the course: *Irregular sudden changes of IC engines into conventional Electric vehicle*

Strength of the course: *No pollution from our Society*

Raman Chandran
Signature

*** Thank you ***

Course Feedback form

Date: 21/12/2021.

Course Title: Electric vehicles and system design

Name: PALAPANDOLA

Reg No: U16AM003

Department: Automobile Engineering

S.No	Particulars	1	2	3	4	5
(1. Very Unsatisfied 2. Unsatisfied 3. Neutral 4. Satisfied 5. Very Satisfied)						
1.	objectives of the course clear to you				✓	✓
2.	The course contents met with your expectations				✓	✓
3.	The lecture sequence was well planned					✓
4.	The lectures were clear and easy to understand					✓
5.	The teaching aids were effective					✓
6.	The instructors encourage interaction and were helpful					✓
7.	The level of the course					✓
(1. Very poor 2. Poor 3. Average 4. Good 5. Excellent)						
8.	Overall rating of the course:	1	2	3	4	5 ✓

Please give Suggestion for the improvement of the course: Please give animation video, .

Weakness of the course: NO

Strength of the course: NO


Signature

*** Thank you ***

Course Feedback form

Date: 21/12/2021.

Course Title: Electric vehicles and system design

Name: SRINATH D

Reg No: V16MT004

Department: MECHATRONICS

S.No	Particulars	1	2	3	4	5
(1. Very Unsatisfied 2. Unsatisfied 3. Neutral 4. Satisfied 5. Very Satisfied)						
1.	objectives of the course clear to you				✓	✓
2.	The course contents met with your expectations				✓	
3.	The lecture sequence was well planned					✓
4.	The lectures were clear and easy to understand					✓
5.	The teaching aids were effective				✓	
6.	The instructors encourage interaction and were helpful				✓	✓
7.	The level of the course					✓
(1. Very poor 2. Poor 3. Average 4. Good 5. Excellent)						
8.	Overall rating of the course:	1	2	3	4	5

Please give Suggestion for the improvement of the course: N/A

Weakness of the course: N/A

Strength of the course: N/A


Signature

*** Thank you ***

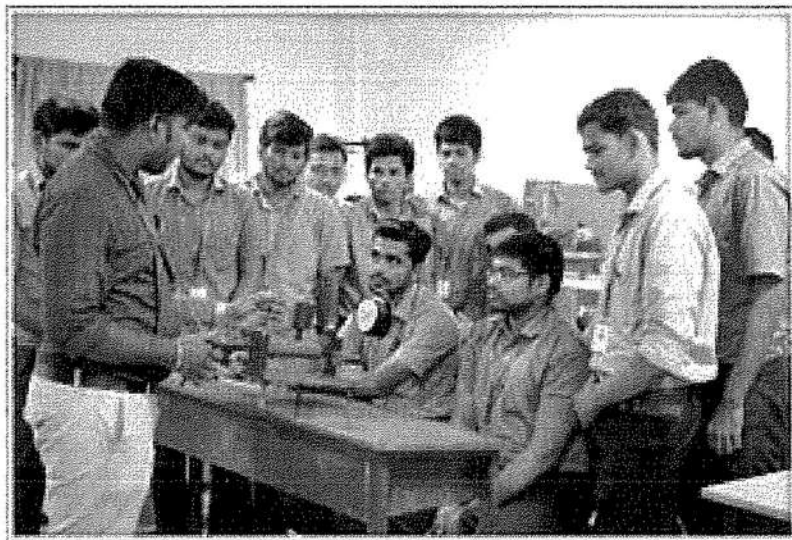
BHARATH INSITUTE OF HIGHER EDUCATION AND RESEARCH

SELAIYUR CHENNAI – 73

2021 TO 2022

VALUE ADDED COURSE

ELECTRICAL VEHICLES AND SYSTEM DESIGN-12-12-2021



Students attended value added course on electrical vehicle and system design

CERTIFICATE OF PARTICIPATION

This is to certify that Mr. of

PRADDEEPANK

..... has participated in

Electric vehicles and system design programme on value-added course at Bharath Institute of Higher Education and Research.


Coordinator


Head of the Department

CERTIFICATE OF PARTICIPATION

This is to certify that Mr. BALAJI P of

..... Bharath Institute of Higher Education and Research has participated in

Electric vehicles and system design programme on value-added course at Bharath Institute of Higher Education and Research.

S. D. J.

Coordinator

Head of the Department

CERTIFICATE OF PARTICIPATION

This is to certify that Mr. RAJESH A of

..... Bharath Institute of Higher Education and Research has participated in

Electric vehicles and system design programme on value-added course at Bharath Institute of Higher Education and Research.


Coordinator


Head of the Department

CERTIFICATE OF PARTICIPATION

This is to certify that Mr. MURUGAN P of

..... Bharath Institute of Higher Education and Research has participated in

Electric vehicles and system design programme on value-added course at Bharath Institute of Higher Education and Research.


Coordinator


Head of the Department