SRI BHARATHI

ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

Kaikkurichi, Pudukkottai -622 303

www.sbec.edu.in

NAAC DOCUMENTS

Quality Indicator Frame Work

Criterion – 1

CURRICULAR ASPECTS

Submitted by

IQAC

Internal Quality Assurance Cell

Sri Bharathi Engineering College for Women

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)
KAIKKURUCHI, PUDUKOTTAI – 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2020-2021 / ODD SEMESTER

1.2 Academic Flexibility (30)

1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

AND

1.2.2 Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

VAC Title:	**ENERGY CONSUMPTION MODELLING IN ELECTRIC VEHICLE**				
Resource Person:	**Resource Person 1:** .M.Madhan Kumar, Founder, Power Integrated Solutions PVT LTD, #10A/3 Radhakrishna Colony, Sastri Road,Thennur,Trichy-17.		**Resource Person 1:** K.Ram Niwas Senior Engineer		
Date of conduct from :	**30 Nov 2020**	**To:**	**04 Dec 2020**	**Duration:**	**30 Hours**
Organized Department :	**ELECTRICAL AND ELECTRONICS ENGINEERING**				
Participant Year:	**2,3 ,4**	**Semester:**	**ODD**	**No. of Students Registered :**	**27**
Venue:	**https://meet.google.com/nvy-thum-mbb**				

TABLE OF CONTENTS

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)
KAIKKURUCHI, PUDUKOTTAI – 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2020-2021 / ODD SEMESTER
DEPARTMENT CIRCULAR Date:20.11.2020

Value Added Course offered by the Department of EEE will be conducted in association with **Power Integrated Solutions PVT LTD** ,Trichy for II, III, IV year students on **"ENERGY CONSUMPTION MODELLING IN ELECTRIC VEHICLES"** from 30.11.2020 to 04.12.2020 through online. Certificates will be issued to eligible participants at the end of the Course. The resource person details are shown in the following table.

RESOURSE PERSON DETAILS:

Name:	**Mr.M.Madhan Kumar**	**Mr.K.Ram Niwas**
Designation:	**Founder**	**Senior Engineer**
Company name with Address:	**Power Integrated Solutions PVT LTD, #10A/3 Radhakrishna Colony, Sastri Road,Thennur,Trichy-17.**	
Mail id:	**powerintegratedsolutions@gmail.com**	
Google Meet Link:	**https://meet.google.com/nvy-thum-mbb**	

20/11/20

HoD/EEE

HOD EEE
SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI,
PUDUKKOTTAI - 622 303.

Cc:

- Principal's Office
- IQAC Coordinator
- Class In charges - II, III & IV-year of EEE
- II, III & IV-year EEE Students
- Notice Board

Dr. S.THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)
KAIKKURUCHI, PUDUKOTTAI – 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2020-2021/ODD SEMESTER
VALUE ADDED COURSE

ENERGY CONSUMPTION MODELLING IN ELECTRIC VEHICLES

SCHEDULE

S .NO	TOPICS	DURATION (in Hours)	DATE
1.	Basics of Electric Vehicle and its principles.	2	30.11.2020
2.	Power Electronics Converters for Electric Vehicles.	2	30.11.2020
3.	Methods of energy consumptions in conventional and electric vehicles.	2	30.11.2020
4.	Electric vehicle Architecture.	2	1.12.2020
5.	Design of motor and power converters for Electric Vehicles.	2	1.12.2020
6.	Grid integration of Electric Vehicles, Intelligent control techniques of Electric vehicles.	2	1.12.2020
7.	Batteries Overview	3	2.12.2020
8.	Characteristics of various batteries	3	2.12.2020
9.	Benefits of Electric Vehicles, Environment impacts, charging station.	3	3.12.2020
10.	Current scenarios in Electric Vehicle Technology	3	3.12.2020
11.	Mathematical modeling of an Electric vehicle.	3	4.12.2020
12.	Practical driving experience on electric vehicle	3	4.12.2020
TOTAL HOURS		30HOUR	

VAC COORDINATOR

Dr. S.THILAGAVATHI M.E.,Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurichi - 622 303, Pudukkottai Dt.

HoD/EEE

HOD EEE
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI,
PUDUKKOTTAI - 622 303.

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

KAIKKURUCHI, PUDUKKOTTAI-622 303

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2020-2021 / ODD SEMESTER

STUDENT NAME LIST FOR VALUE ADDED COURSE

ENERGY CONSUMPTION MODELLING IN ELECTRIC VEHICLE

S.NO	NAME	REG.NO	YEAR & SEMESTER
1	AASHIKA R	912619105001	II &III
2	ABINAYA S	912619105002	II &III
3	ABITHA P	912619105003	II &III
4	ARTHY N	912619105004	II &III
5	DEEPIKA R	912619105005	II &III
6	KOGULA PRIYA R	912619105006	II &III
7	NISHA S	912619105007	II &III
8	PAVITHRA M	912619105008	II &III
9	PRAGADEESHWARI A	912619105009	II &III
10	SIVARANJANI S	912619105010	II &III
11	RAGAVI R	912619105301	II &III
12	AARTHI G	912618105001	III & V
13	AASHA R	912618105002	III & V
14	AGARI S	912618105003	III & V
15	JEEVITHA R	912618105004	III & V
16	NISHA K	912618105005	III & V
17	RAMANA R	912618105006	III & V
18	SNEHA S	912618105007	III & V

Dr. S.THILAGAVATHI M.E.,Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

19	VINOTHINI V	912618105301	III & V
20	NAZEERA BANU I	912617105001	IV & VII
21	PARTHIKA S	912617105002	IV & VII
22	PRIYA T	912617105003	IV & VII
23	SAJINA K	912617105004	IV & VII
24	SELSIYA R	912617105005	IV & VII
25	THENMOZHI J	912617105006	IV & VII
26	VANITHA E	912617105007	IV & VII
27	SIYAMALADEVI S	912617105302	IV & VII

VAC COORDINATOR

HoD/EEE

HOD EEE
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI,
PUDUKKOTTAI - 622 303.

Dr. S.THILAGAVATHI M.E.,Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

KAIKKURICHI, PUDUKKOTTAI-622 303

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2020-2021 / ODD SEMESTER

ATTENDANCE SHEET FOR VALUE ADDED COURSE

ENERGY CONSUMPTION MODELLING IN ELECTRIC VEHICLE

Google Meet Link:https://meet.google.com/nvy-thum-mbb

S.NO	REG. NO	NAME	YEAR/ SEM	30.11.2020		01.12.2020		02.12.2020		03.12.2020		04.12.2020		NO. OF CLASS ATTENDED
				F.N	A.N	F.N	A.N	F.N	A.N	F.N	A.N	F.N	A.N	
1	912619105001	AASHIKA R	II &III	/	/	/	/	/	/	/	/	/	/	10
2	912619105002	ABINAYA S	II &III	/	/	/	/	/	/	/	/	/	/	10
3	912619105003	ABITHA P	II &III	/	a	/	/	/	/	/	/	/	/	09
4	912619105004	ARTHY N	II &III	/	/	/	/	/	/	/	/	/	/	10
5	912619105005	DEEPIKA R	II &III	/	/	/	/	/	/	/	/	/	/	10
6	912619105006	KOGULA PRIYA R	II &III	/	/	/	/	/	/	/	/	/	/	10

Dr. S.THILAGAVATHI M.E.,Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurichi - 622 303, Pudukkottai D

7	912619105007	NISHA S	II &III	/	/	/	/	/	/	/	/	/	/	10
8	912619105008	PAVITHRA M	II &III	/	/	/	/	/	/	/	/	/	/	10
9	912619105009	PRAGADEESHWARI A	II &III	/	/	/	/	/	/	/	/	/	/	10
10	912619105010	SIVARANJANI S	II &III	/	/	/	/	/	a	/	/	/	/	09
11	912619105301	RAGAVI R	II &III	/	/	/	/	/	/	/	/	/	/	10
12	912618105001	AARTHI G	III & V	/	/	/	/	/	/	/	/	/	/	10
13	912618105002	AASHA R	III & V	/	/	/	/	/	/	/	/	/	/	10
14	912618105003	AGARI S	III & V	/	/	/	/	/	/	/	/	/	/	10
15	912618105004	JEEVITHA R	III & V	/	/	/	/	/	/	/	/	/	/	10
16	912618105005	NISHA K	III & V	/	/	/	/	/	/	/	/	/	/	10
17	912618105006	RAMANA R	III & V	/	/	/	/	/	/	/	/	/	/	10
18	912618105007	SNEHA S	III & V	/	a	/	/	/	/	/	/	/	/	09
19	912618105301	VINOTHINI V	III & V	/	/	/	/	/	/	/	/	/	/	10
20	912617105001	NAZEERA BANU I	IV & VII	/	/	/	/	/	/	/	/	/	/	10
21	912617105002	PARTHIKA S	IV & VII	/	/	/	/	/	/	/	/	/	/	10
22	912617105003	PRIYA T	IV & VII	/	/	/	/	/	/	/	/	/	/	10

Dr. S.THILAGAVATHI M.E.,Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

23	912617105004	SAJINA K	IV & VII	/	/	/	/	/	/	/	/	/	/	10
24	912617105005	SELSIYA R	IV & VII	/	/	/	/	/	/	/	/	/	a	09
25	912617105006	THENMOZHI J	IV & VII	/	/	/	/	/	/	/	/	/	/	10
26	912617105007	VANITHA E	IV & VII	/	/	/	/	/	/	/	/	/	/	10
27	912617105302	SIYAMALADEVI S	IV & VII	/	/	/	/	/	/	/	/	/	/	10

VAC COORDINATOR

HoD/EEE

HOD EEE
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI,
PUDUKKOTTAI - 622 303.

Dr S.THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)
Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

Report on Value Added Course

Title:	**ENERGY CONSUMPTION MODELLING IN ELECTRIC VEHICLE**
Resource Person:	**1.M.Madhan Kumar,** Founder, Power Integrated Solutions PVT LTD, #10A/3 Radhakrishna Colony, Sastri Road,Thennur,Trichy-17. **2. K.Ram Niwas** Senior Engineer

Date of conduct from :	**30 Nov 2020**	To:	**04 Dec 2020**	Duration:	**30 Hours**
Organized Department :	**ELECTRICAL AND ELECTRONICS ENGINEERING**				
Participant Year:	**2/ 3 /4**	Semester:	**ODD**	No. of Students Registered :	**27**
Venue:	**online mode Google Meet: https://meet.google.com/nvy-thum-mbb**				

Outcome of Value Added Course (VAC)

At the end of the Course, Students can able to

- Explain about the basics of electric vehicle and its principles.
- Describe about the electric vehicle architecture and design of motor.
- Obtain insight about Grid integration of Electric Vehicles, Intelligent control techniques of Electric vehicles.
- Comprehend about the batteries overview and its characteristics.
- Demonstrate about the benefits of electric vehicles, environment impacts, charging station.
- Illustrate about mathematical modeling of an electric vehicle.

No. of students successfully completed the VAC course is 27 students based on the following assessment process.

Assessment Process

- Students, who are securing **more than 60% on total score** and secured more than 60% in attendance is eligible to receive the certificate for the VAC course conducted.
- Total Score = (0.5 *Attendance in VAC out of 100 percentage + 0.5 *Test mark in VAC out of 100 marks)

VAC Coordinator | **HoD/ EEE** 8/12/20 | **Principal** 08/12/20

Dr. S.THILAGAVATHI M.E.,Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurichi - 622 303, Pudukkottai Dt.

HOD EEE
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI,
PUDUKKOTTAI - 622 303.

PRINCIPAL
SRI BHARATHI ENGINEERIN
COLLEGE FOR WOMEN
KAIKKURICHI - 622 303.
PUDUKKOTTAI DISTRICT

CERTIFICATE OF COMPLETION

Power Integrated Solutions
#10A/3 Radhakrishna Colony,
Sastri Road,Thennur,Trichy-17
powerintegratedsolutions@gmail.com

This is to certify that Mr/Ms AASHIKA R, Reg No: 912619105001 has successfully completed the value-added program on "ENERGY CONSUMPTION MODELLING IN ELECTRIC VEHICLES" conducted at Sri Bharathi Engineering College for Women, Pudukkottai in association with Power Integrated Solutions, Trichy from 30.11.2020 to 04.12.2020.

HR Manager.

HR MANAGER
Power Integrated Solutions

HOD/EEE
SBECW

Dr S.THILAGAVATHI M.E.,Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

PRINCIPAL
SBECW

CERTIFICATE OF COMPLETION

Power Integrated Solutions
#10A/3 Radhakrishna Colony,
Sastri Road,Thennur,Trichy-17
powerintegratedsolutions@gmail.com

This is to certify that Mr/Ms AARTHI G, Reg No: 912618105001 has successfully completed the value-added program on "ENERGY CONSUMPTION MODELLING IN ELECTRIC VEHICLES" conducted at Sri Bharathi Engineering College for Women, Pudukkottai in association with Power Integrated Solutions, Trichy from 30.11.2020 to 04.12.2020.

HR Manager.

HR MANAGER
Power Integrated Solutions

HOD/EEE
SBECW

Dr. S.THILAGAVATHI M.E.,Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

PRINCIPAL
SBECW

CERTIFICATE OF COMPLETION

Power Integrated Solutions
#10A/3 Radhakrishna Colony,
Sastri Road,Thennur,Trichy-17
powerintegratedsolutions@gmail.com

This is to certify that Mr/Ms SAJINA K, Reg No: 912617105004 has successfully completed the value-added program on "ENERGY CONSUMPTION MODELLING IN ELECTRIC VEHICLES" conducted at Sri Bharathi Engineering College for Women, Pudukkottai in association with Power Integrated Solutions, Trichy from 30.11.2020 to 04.12.2020.

HR Manager.

HR MANAGER
Power Integrated Solutions

HOD/EEE
SBECW

Dr. S.THILAGAVATHI M.E.,Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

PRINCIPAL
SBECW

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)
KAIKKURICHI, PUDUKKOTTAI- 622 303.
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2020-2021 / ODD SEMESTER

VALUE ADDED COURSE

ENERGY CONSUMPTION MODELLING IN ELECTRIC VEHICLES

Name of student:
Year/Sem: **AU Reg.No:**

MULTIPLE CHOICE QUESTIONS (25 X1 =25 MARKS)

1. Which batteries are preferred for Electric Vehicle?

(A) Lead acid (B) Lithium ion (C) Sodium sulphur (D) Nickel cadmium

2. Battery that cannot be charged again is called

(A) Primary battery (B) Secondary battery
(C) Nor primary neither secondary (D) Both primary and secondary

3. In optimal control strategies, the main goal is to _____while respecting the system constraints and specifications.

(A) Minimize the fuel cost (B) Minimize the emissions
(C) Minimize fuel cost and emissions (D) Improve the vehicle performance

4. What is the unit of charge capacity in a battery

(A) A hr (B) W hr (C) W/hr (D) W/A hr

5. _____ vehicles are powered by battery only.

(A) Conventional (B) EV (C) HEV
(D) PHEV

6. First Electric Vehicle was built in

(A) 1839 (B) 1800 (C) 1900 (D) 1939

7. Over the years application of which motor to EV and HEV is limited

(A) Induction Motor (B) BLDC (C) PMSM (D) SRM

Dr S.THILAGAVATHI M.E.,Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurichi - 622 303, Pudukkottai Dt.

8. Vehicle-to-grid (V2G) describes a system in which plug-in electric vehicles (PEV), communicate with the _____ to sell demand response services by either returning electricity to the grid or by throttling their charging rate

(A) PEV (B) ICE Vehicles (C) Power grid (D) Battery Scooters

9. Which of the following vehicle produces zero emissions?

(A) Gasoline Vehicle (B) Electrical Vehicle (C) Hybrid Vehicle (D) Diesel Vehicle

10. Which vehicle has the smallest number of principle components?

(A) Gasoline Vehicle (B) Electrical Vehicle (C) Hybrid Vehicle (D) Diesel Vehicle

11. What are the difference between a plug-in hybrid and a battery electric vehicle?

(A) There is no difference

(B) A plug-in hybrid only accepts AC power, while a battery electric vehicle accepts AC and DC power.

(C) A plug-in hybrid can be powered by either the battery or the gasoline engine. A pure electric vehicle is powered only by the battery.

(D) All of the above.

12. A fuel cell produces electricity from _____ and _____

(A) Petrol / Oxygen (B) Nitrogen / Oxygen (C) Hydrogen / Oxygen (D) Water / Oxygen

13. Benefits of hybrid car are _____

(A) Less pollution (B) Energy recovery

(C) High torque at low speed (D) All the above

14. Hybrid cars normally have ____km range in only electric mode.

(A) 10-20 km (B) 30-70 km (C) 100-150 km (D) No limit

15. Electric vehicle and hybrid vehicles have following components common except _____

(A) Battery (B) Generator (C) ECU (D) Internal combustion engine

Dr. S.THILAGAVATHI M.E.,Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

16. _____ hybrid vehicle is either propelled by ICE or Battery.

(A) Parallel (B) Series (C) Split (D) Mild

17. Cells are connected in parallel to

(A) Increase the voltage output (B) Increases the internal resistance

(C) Decreases the current capacity (D) Increases the current capacity.

18. Full form of EV is _____

(A) Energy voltage (B) Electric vehicle

(C) Electric voltage (D) Energy vehicles

19. In a single cell, the two electrodes are separated from each other by _____

(A) 1mm (B) 1cm (C) 0.5 mm (D) 0.5 cm

20. Standard open circuit voltage for lead-acid battery at standard conditions is _____

(A) 3 volts (B) 2.048 volts (C) 2.5 volts (D) 3.508 volts

21. Number of cells connected in series provide a _____

(A) High current carrying capacity (B) Higher Voltage

(C) Higher power (D) None of the above

22. Which type of water is used in electrolyte?

(A) Ordinary water (B) Distilled water

(C) Coolant (D) None of the above.

23. What is the type of cell used for building a laptop battery pack?

(A) Nickel cadmium (B) Lithium ion

(C) Zinc silver oxide (D) Lead acid

24. A battery charger acts like a _____

(A) Converter (B) Rectifier (C) Cycloconverter (D) Chopper

25. A type of electrical battery which can be charged, discharged into a load, and then recharged many times is called _____

(A) Rechargeable battery (B) Secondary battery

(C) Primary battery (D) Both 1 and 2

Dr. S.THILAGAVATHI M.E.,Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

Kaikkurichi, Pudukkottai- 622 303.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2020-2021 / ODD SEMESTER

VALUE ADDED COURSE

ENERGY CONSUMPTION MODELLING IN ELECTRIC VEHICLES

ANSWER KEY FOR MCQ

1	B	2	A	3	C	4	A	5	B
6	A	7	A	8	C	9	B	10	B
11	C	12	C	13	D	14	A	15	D
16	A	17	D	18	B	19	A	20	C
21	B	22	B	23	B	24	B	25	A

Dr. S.THILAGAVATHI M.E.,Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

Name:- N. Arthy

AU No:- 912619105004

Year/Sem:- II / III

21/25

VAC

Energy Consumption Modelling In Electric Vehicles

Answer Key

1. b
2. c X
3. c
4. a
5. b
6. a
7. d X
8. c
9. b
10. b
11. c
12. d X
13. d
14. a
15. d
16. a
17. c X
18. b
19. a
20. c
21. b
22. b
23. b
24. b
25. a

Dr. S.THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

VAC - MCQ TEST

ENERGY CONSUMPTION MODELLING IN ELECTRIC VEHICLES

NAME : R. AASHA
REG NO : 912618105002
YEAR/SEM : III / V

24/25

1) b
2) a
3) c
4) a
5) b
6) a
7) a
8) c
9) b
10) b
11) c
12) c
13) a ✗
14) a
15) d
16) a
17) d
18) b
19) a
20) c
21) b
22) b
23) b
24) b
25) a

Dr. S.THILAGAVATHI M.E.,Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

Name : E. Vanitha
Reg No : 912617105
Year/sem : IV / VII

VAC - MCQ TEST

ENERGY CONSUMPTION MODELLING IN ELECTRIC VEHICLES.

23/25

1) B
2. A
3. C
4. A
5. B
6. A
7. A
8. C
9. B
10. B
11. C
12. C
13. B ✗
14. A
15. D
16. A
17. D
18. A ✗
19. A
20. C
21. B
22. B
23. B
24. B
25. A

Dr S.THILAGAVATHI M.E.,Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)
KAIKKURICHI, PUDUKKOTTAI- 622 303.
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2020-2021 / ODD SEMESTER
MARK SHEET FOR VALUE ADDED COURSE
ENERGY CONSUMPTION MODELLING IN ELECTRIC VEHICLE

S.NO	REG. NO	NAME	YEAR/ SEM	ATTENDACE 50% (A)		VAC –MCQ 50%(B)		OVERALL MARK (A+B)
				No of Session Attended	MARKS	No of Correct Answer	MARKS	
1	912619105001	AASHIKA R	II &III	10	100	24	96	98
2	912619105002	ABINAYA S	II &III	10	100	20	80	90
3	912619105003	ABITHA P	II &III	9	90	22	88	89
4	912619105004	ARTHY N	II &III	10	100	21	84	92
5	912619105005	DEEPIKA R	II &III	10	100	24	96	98
6	912619105006	KOGULA PRIYA R	II &III	10	100	22	88	94
7	912619105007	NISHA S	II &III	10	100	21	84	92
8	912619105008	PAVITHRA M	II &III	10	100	24	96	98
9	912619105009	PRAGADEESHWARI A	II &III	10	100	20	80	90
10	912619105010	SIVARANJANI S	II &III	9	90	24	96	93
11	912619105301	RAGAVI R	II &III	10	100	24	96	98
12	912618105001	AARTHI G	III & V	10	100	20	80	90
13	912618105002	AASHA R	III & V	10	100	24	96	98
14	912618105003	AGARI S	III & V	10	100	21	84	92
15	912618105004	JEEVITHA R	III & V	10	100	23	92	96
16	912618105005	NISHA K	III & V	10	100	24	96	98
17	912618105006	RAMANA R	III & V	10	100	20	80	90
18	912618105007	SNEHA S	III & V	9	90	24	96	93
19	912618105301	VINOTHINI V	III & V	10	100	23	92	96
20	912617105001	NAZEERA BANU I	IV & VII	10	100	20	80	90
21	912617105002	PARTHIKA S	IV & VII	10	100	23	92	96
22	912617105003	PRIYA T	IV & VII	10	100	24	96	98
23	912617105004	SAJINA K	IV & VII	10	100	20	80	90

Dr. S.THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

24	912617105005	SELSIYA R	IV & VII	9	90	23	92	91
25	912617105006	THENMOZHI J	IV & VII	10	100	21	84	92
26	912617105007	VANITHA E	IV & VII	10	100	23	92	96
27	912617105302	SIYAMALADEVI S	IV & VII	10	100	24	96	98

VAC COORDINATOR

HoD/EEE

HOD EEE
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI,
PUDUKKOTTAI - 622 303.

Dr. **S.THILAGAVATHI** M.E.,Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.