Sri Venkateswara College of Engineering

(Autonomous Institution - Affiliated to Anna University) Pennalur, Sriperumbudur Tk - 602 117

DEPARTMENT OF AUTOMOBILE ENGINEERING

22.04.2019

Submitted to the Principal

Sub: Report on Two Day Workshop on "Fundamentals of Electric Vehicle Technology"

Department of Automobile Engineering organized a Two Day workshop on "Fundamentals of Electric Vehicle Technology" in association with the Department of Electrical and Electronics Engineering with the approval and sponsorship of Rs.7500/- from the management of SVCE. This workshop was organized in view of upgrading the knowledge for our students of Automobile Engineering.

The Workshop was inaugurated by **Dr. K. R. Santha, Prof. & HoD/EE**, Sri Venkateswara College of Engineering and delivered the inaugural address and emphasized the importance on learning electric vehicle technology, in the presence of **Dr. J. Venkatesan, Prof. & HoD/AE**.

Resource Persons for the Two Day workshop

1. Mr. A. Jegan

Senior Educator

Engineering Academy of PES SBU KPIT Technologies

Chennai

2. Dr. V. Ganesh

Associate Professor / AE

SVCE

3. Dr. S. G. Bharathi Dasan

Associate Professor / EE

SVCE

4. Mr. A. K. Boobalasenthilraj

Assistant Professor / AE

SVCE

Venue of the workshop: CAD Laboratory / Department of Automobile Engineering

SESSION DETAILS

DAY- 1		
Session:1		
Dr. V. Ganesh, ASP/AE	Fundamentals of Vehicle Electrical Load calculation for propulsion	
Session: 2		
Dr. S. G. Bharathi Dasan , ASP/EE	Design of Electric Vehicle - Selection of Drives	
Session: 3		
Mr. A. K. Boobalasenthilraj, AP/AE	Types of Batteries for EVs	

DAY-2			
Session:1			
Dr. V. Ganesh, ASP/AE	Hands on training on Latest tools on EV modeling.		
Session: 2			
Mr. A. Jegan, Senior Educator Engineering Academy of PES SBU KPIT Technologies Chennai	Opportunities in Automotive Industries for freshers and concepts on EV and HEV.		
Session: 3			
Mr. A. Jegan, Senior Educator Engineering Academy of PES SBU KPIT Technologies Chennai	Introduction to Model based design for Simulation of EV		

A group of students 20 students from Department of Automobile Engineering (II Year:11 & III Year:09) have participated in the programme.



Dr. J. Venkatesan, HoD/AE welcoming **Dr. K. R. Santha, HoD/EE** to deliver inaugural address for the Two Day workshop



Dr. K. R. Santha, HoD/EE delivering the inaugural address



Dr. V. Ganesh, Delivering a Lecture

There were Six Lecture sessions covering all the fundamentals of electric vehicle technology and model based design using MATLAB. These technical lectures were given by Mr. A. Jegan, Senior Educator, Engineering Academy of PES SBU KPIT Technologies, Chennai and by senior faculty members of Sri Venkateswara College of Engineering.



Dr. V. Ganesh, Delivering a Lecture



Mr. A. K. Boobalasenthilraj, Delivering a Lecture



Dr. S G Bharathi Dasan, Delivering a Lecture



Participants





During Day - 1 of the workshop

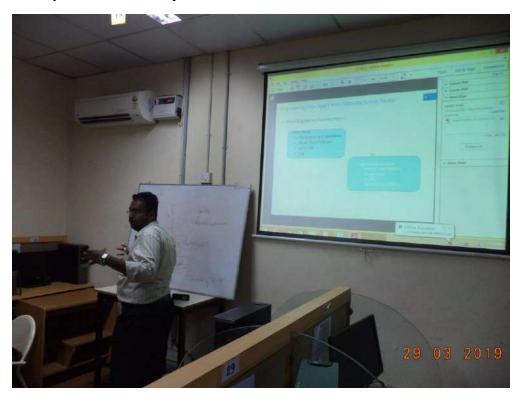


Dr. S G Bharathi Dasan, Delivering a Lecture



Dr. J. Venkatesan, HoD/AE introducing the resource person on Day 2 of the workshop

Mr. A. Jegan, Senior Educator, Engineering Academy of PES SBU KPIT Technologies, Chennai given the technical lecture on Day 2 of the workshop.



Mr. A. Jegan, Delivering a Lecture





During Day - 2 of the workshop

The participants expressed their full satisfaction through Feedback. The lecture sessions were very well received and appreciated by the participants.

We express our heartfelt thanks to the management of SVCE for giving an opportunity to conduct Two Day Workshop and for financial support to conduct the event smoothly.



Participants group photo

The details of amount sanctioned, spent and returned are given below:

Sl. No.	Details	Amount Rs.
1	Sponsorship from Management of SVCE	7,500.00
3	Net amount spent for Workshop	6,500.00
4	Balance amount returned to SVCE	1,000.00

List of Participants

Sl No.	Name of the Student	Year of Study	Department	Institution
1	Arun Shankar M	II	Automobile Engineering	SVCE
2	Gowtham R	II	Automobile Engineering	SVCE
3	Parameshwar A	II	Automobile Engineering	SVCE
4	Praveen G K	II	Automobile Engineering	SVCE
5	Purushothaman K	II	Automobile Engineering	SVCE
6	Sudharsan Ananth	II	Automobile Engineering	SVCE
7	Vinoth N	II	Automobile Engineering	SVCE
8	Pavin G V	II	Automobile Engineering	SVCE
9	Siva Kumar S	II	Automobile Engineering	SVCE
10	Thamaraiselvan R	II	Automobile Engineering	SVCE
11	Vishnu E	II	Automobile Engineering	SVCE
12	Ajay Govindarajan G J	III	Automobile Engineering	SVCE
13	Arivuchelvan G	III	Automobile Engineering	SVCE
14	Hinasdeen A	III	Automobile Engineering	SVCE
15	Poovarasan T	III	Automobile Engineering	SVCE
16	Praveen G	III	Automobile Engineering	SVCE
17	Vignesh P	III	Automobile Engineering	SVCE
18	Vignesh S	III	Automobile Engineering	SVCE
19	Prashanth P	III	Automobile Engineering	SVCE
20	Rakesh G	III	Automobile Engineering	SVCE

Two Day workshop on "Fundamentals of Electric Vehicle Technology"

Duration: March 29th - March 30th 2019 Resource persons and Topics Covered

SI. No.	Name	Qualification	Designation	Topics Covered
1.	Mr. A. Jegan	M.E	Senior Educator	 Opportunities in Automotive Industries for freshers and concepts on EV and HEV. Introduction to Model based design for Simulation of EV
2.	Dr. V. Ganesh	M.E., Ph.D	Assc. Prof, / SVCE	Fundamentals of Vehicle Electrical Load calculation for propulsion Hands on training on Latest tools on EV modeling
3.	Dr. S. G. Bharathi Dasan	M.E., Ph.D	Assc. Prof. / SVCE	Design of Electric Vehicle - Selection of Drives
4.	Mr. A. K. Boobalasenthilraj	. K. Boobalasenthilraj M.E.		Types of Batteries for EVs

Dr. V. Ganesh ASP/AE Coordinator

Dr. S G Bharathi Dasan ASP/EE

Coordinator

Mr. A. K. Boobalasenthilraj

AP/AE Coordinator

Head of the Department

Department of Att mobile Engineering

Sri Venkataswara Callaga of Engine soing

Pennalus, Sripe in Shugar Yaluk-buz 117

Tentil ivadu, India

HoD / EE

Head of the Department Department of Electrical and Electronics Engineering Sri Venkateswara College of Engineering Pannelur, Sriperumbudur Taluk-602 117 Tamilnadu, INDIA



Sri Venkateswara College of Engineering

(An Autonomous Institution, Affiliated to Anna University)
Pennalur, Sriperumbudur.

Electric drive module

On-board charge

Department of Automobile Engineering

in association with

Department of Electrical and Electronics Engineering

Organizing

Two Day Workshop

on

Fundamentals of Electric Vehicle Technology

29th - 30th, March 2019

Coordinators

Dr. V. Ganesh, ASP/AE

Dr. S G Bharathi Dasan, ASP/EE

Mr. A. K. Boobalasenthilraj, AP/AE

Conveners

Dr. K. R. Santha, Prof. & HoD/EE

Dr. J. Venkatesan, Prof. & HoD/AE

Electric drive module

Day 1				
Session:1				
Dr. V. Ganesh , ASP/AE	Fundamentals of Vehicle Electrical			
	Load calculation for propulsion			
Sea	Session: 2			
Dr. S. G. Bharathi Dasan,	Design of Electric Vehicle -			
ASP/EE	Selection of Drives			
Ses	Session: 3			
Mr. A. K. Boobalasenthilraj, AP/AE	Types of Batteries for EVs			
Day 2 Session:1				
			Dr. V. Ganesh,	Hands on training on Latest tools

	Day 2	Carle Carle			
Session:1					
	Dr. V. Ganesh,	Hands on training on Latest tools			
	ASP/AE	on EV modeling.			
	Ses	sion: 2			
	Mr. A. Jegan,	Opportunities in Automotive			
	Member of Engineering	Industries for freshers and			
	Academy of PES SBU KPIT Technologies	concepts on EV and HEV.			
	Session: 3				
	Mr. A. Jegan, Member of Engineering	Introduction to Model based			
	Academy of PES SBU	design for Simulation of EV			
	KPIT Technologies				

Resource Person

1. Mr. A. Jegan

Member of Engineering Academy of PES SBU KPIT Technologies Chennai

2. Dr. V. Ganesh

Associate Professor / AE SVCE

3. Dr. S. G. Bharathi Dasan

Associate Professor / EE SVCE

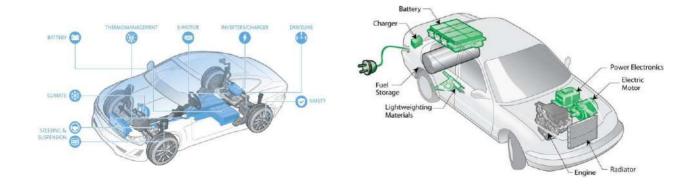
4. Mr. A. K. Boobalasenthilraj

Assistant Professor / AE SVCE

Venue: CAD LAB / AUTOMOBILE ENGINEERING

tric drive module

Lithium-ion batter



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