



Post Bag No. 1, Pennalur, Sriperumbudur, Kanchipuram (Dt) – 602117

Department of Electrical & Electronics Engineering

in association with

DesignTech Systems Pvt Ltd

Organizes a

Five days Online FDTP on

"MATLAB applications to Electric Vehicle, Smart Grid and Battery Management Systems"

20/01/2022 to 25/01/2022

Registration link: https://forms.gle/XMqGahn4VYdqSnNVA

Google meet link: https://meet.google.com/geu-ecvq-ibw

CONVENOR

Dr.KR.SANTHA

VICE-PRINCIPAL,

Professor & HOD/EEE

COORDINATORS

Dr.Sudhakar K Bharatan Prof/EEE
Dr.S.G.Bharathidasan ASP/EEE
Dr.R.Karthikeyan ASP/EEE
Dr.S.Kumaravel AP/EEE
Dr.M.Sankar AP/EEE







Technology For Designing The Future



Five days Online FDTP on

"MATLAB applications to Electric Vehicle, Smart Grid and Battery Management Systems"

Schedule

Sl. No.	Date & Day	Time	Session topic details
1	20/01/2022 Thursday	11.15 AM – 11.30 AM	FDTP Inauguration: Dr.KR.SANTHA VICE-PRINCIPAL, Professor & HOD/EEE
2	20/01/2022 Thursday	11.30 AM – 12.30 PM	Modelling and Simulation of HEV's: MATLAB & Simulink*
3	21/01/2022 Friday	11.30 AM – 12.30 PM	 Challenges with HEV Design HEV Component modeling Types HEV Plant Modeling Tools HEV Modeling Best Practices
4	22/01/2022 Saturday	11.30 AM – 12.30 PM	Renewable Energy Systems using Smart grid Simulation in MATLAB Software*
5	24/01/2022 Monday	11.30 AM – 12.30 PM	Battery Management Systems (BMS)*
6	25/01/2022 Tuesday	11.30 AM – 12.30 PM	 Monitors cell voltage and temperature Estimates state-of-charge and state-of-health Limits power input and output for thermal and overcharge protection Controls the charging profile Balances the SOC of individual cells Isolates the battery pack from the load when necessary
7	25/01/2022 Tuesday	12.30 PM – 12.45 PM	FDTP Valediction: Dr.KR.SANTHA VICE-PRINCIPAL, Professor & HOD/EEE

^{*} sessions will be handled by resource people from M/s DesignTech Systems Pvt Ltd



SRI VENKATESWARA COLLEGE OF ENGINEERING (SVCE) PENNALUR, SRIPERUMBUDUR-602117



Department of
Electrical and
Electronics

Engineering





REPORT ON Five days Online FDTP on "MATLAB applications to Electric Vehicle, Smart Grid and Battery Management Systems"

Date: 20.01.2022 to 25.01.2022

The Department of Electrical and Electronics Engineering in association with MathWorks & DesignTech Systems Pvt Ltd organized a Five days Online FDTP on "MATLAB applications to Electric Vehicle, Smart Grid and Battery Management Systems" from 20.01.2022 (Thursday) to 25.01.2022 (Tuesday). This FDTP is exclusively for the faculty members of SVCE. The FDTP started with a prayer song. Dr.KR.Santha, Vice Principal, Professor and HOD/EEE delivered the welcome address and briefed about significance and objectives of the FDTP. This FDTP will focus on Modelling and Simulation of HEV's - MATLAB & Simulink, Renewable Energy Systems using Smart grid Simulation in MATLAB Software, Battery Management Systems.

Dr.Ravindar Reddy CH Engineer Technical Support- MathWorks, DesignTech Systems Pvt Limited, provided training in Modeling and simulation of Hybrid Electric Vehicles, Renewable Energy Systems using Smart grid Simulation, Battery Management Systems (BMS) using MATLAB/Simulink during the above period. 50 Participants attended the FDTP.

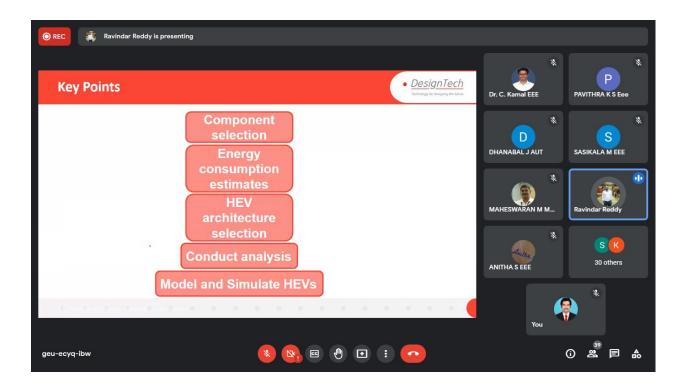
The valedictory of the FDTP was held on 25/01/2022 at 12.30 PM. **Dr. Nalin Kant Mohanty, Professor/EEE** delivered the valedictory address.

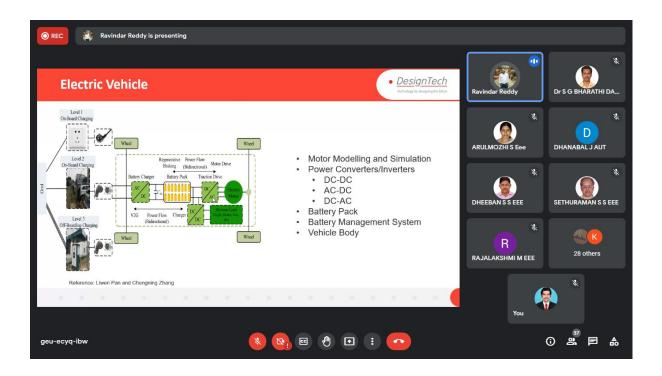
Participants List:

S.No	Title	Name	Designation	Department	
			Vice Principal,		
1	Dr	KR.SANTHA	Professor &	EEE	
			HOD/EEE		
2	Mrs	M.RAJALAKSHMI	Assistant Professor	EEE	
3	Dr	Dheeban SS	Assistant Professor	EEE	
4	Dr	V. Mohanraj	Assistant Professor	EEE	
5	Dr	M.PANDIYARAJAN	Assistant Professor	EEE	
6	Dr	D.S.PURUSHOTHAMAN	Assistant Professor	EEE	
7	Dr	S.S.SETHURAMAN	Assistant Professor	EEE	
8	Dr	S.ARUMUGAM	Assistant Professor	MECH	
9	Dr	B. Praveen Kumar	Assistant Professor	CSE	
10	Mrs	SUGANTHI K	Assistant Professor	EEE	
11	Dr	S.MUNIRAJ	Assistant professor	MECH	
12	Mr	P.ARUL	Assistant professor	ECE	
13	Mr	R. SAKTHIVEL	Assistant Professor	AUTOMOBILE	
14	Dr	A. BHASKARAN	Prof and Head	Applied Physics	
15	Mr	M.MAHESWARAN	Assistant Professor	MECH	
16	Dr	M.Sankar	Assistant Professor	EEE	
17	Dr	C.KAMAL	Assistant Professor	EEE	
18	Mr	VENKATESAN C	Assistant Professor	EEE	
19	Dr	S.VELUCHAMY	Assistant Professor	ECE	
20	Dr	S.Vijayanand	Assistant Professor	ECE	
21	Dr	P Mathivanan	Assistant Professor	ECE	
22	Mr	S.SUDHARSANAM	Assistant Professor	EEE	
23	Mr	S.THAMIZMANI	Assistant professor	EEE	
24	Dr	P. Vinothiyalakshmi	Assistant Professor	CSE	
25	Mrs	K S PAVITHRA	Assistant Professor	EEE	
26	Dr	S G BHARATHI DASAN	Associate Professor	EEE	
27	Dr	M.PREM ANANTH	Associate Professor	MECH	
28	Dr	T ANNAMALAI	Assistant Professor	EEE	
29	Dr	GANESH V	Associate Professor	AUTOMOBILE	
30	Mrs	S.SINTHAMANI	Assistant Professor	EEE	
31	Mr	A.K. Boobalasenthilraj	Assistant Professor	AUTOMOBILE	
32	Mrs	ARULMOZHI S	Assistant Professor	EEE	
33	Dr	R KANNADASAN	Assistant Professor	EEE	
34	Mrs	S.ANITHA	Assistant Professor	EEE	
35	Mr	RAMANJANEYULU			
		KOLLA	Assistant Professor	AUTOMOBILE	
36	Mr	K PAUL DURAI	Assistant Professor	AUTOMOBILE	
37	Mr	RAVI G	Assistant professor	AUTOMOBILE	

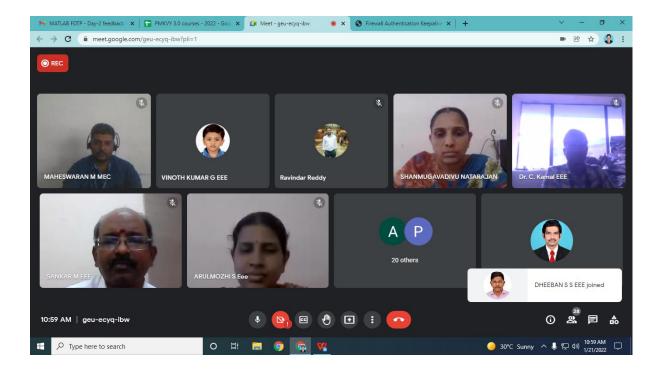
38	Mrs	M.Sasikala	Assistant Professor	EEE
39	Mr	KALIYANASUNDER R	Assistant Professor	MECH
40	Mr	DHANABAL J	Assistant Professor	AUTOMOBILE
41	Mr	Jai Ganesh S	Assistant Professor	CHEMICAL
42	Dr	S.KUMARAVEL	Assistant Professor	EEE
43	Dr	VIJAYALAKSHMI.A.C	Assistant Professor	CHEMICAL
44	Mr	A.BALASUBRAMANIAN	Assistant Professor	AUTOMOBILE
45	Mrs	RADHA.V	Assistant Professor	CSE
46	Dr	R.Gayathri	Associate Professor	ECE
47	Mrs	Rajeswari Ramaraj	Assistant Professor	ECE
48	Dr	M.GAJENDIRAN	Assistant Professor	MECH
49	Mr	J.SIVARAMAPANDIAN	Assistant Professor	MECH
50	Mr	ARUN ABISHEK I	Assistant Professor	EEE

Day 1: Modelling and Simulation of HEV's: MATLAB & Simulink

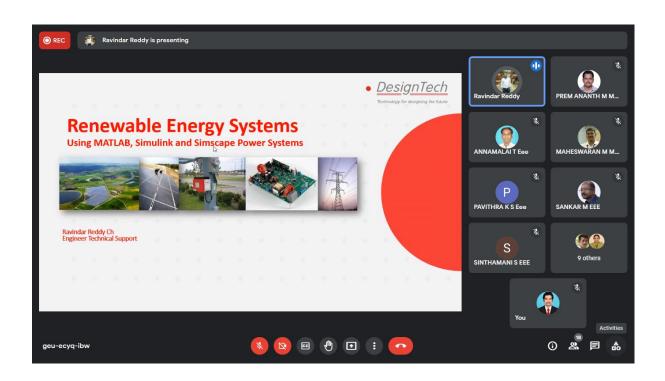


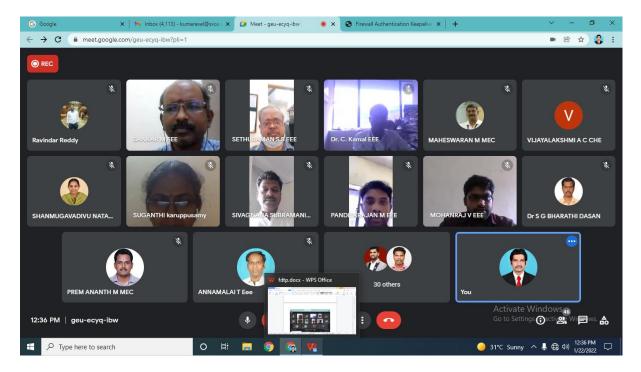


Day 2: Modelling and Simulation of HEV's: MATLAB & Simulink



Day 3: Renewable Energy Systems using Smart grid Simulation in MATLAB Software

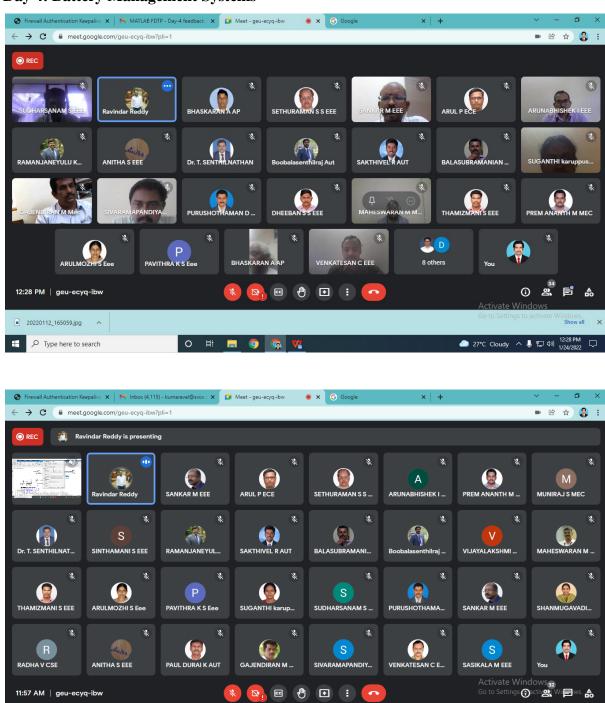




Day 4: Battery Management Systems

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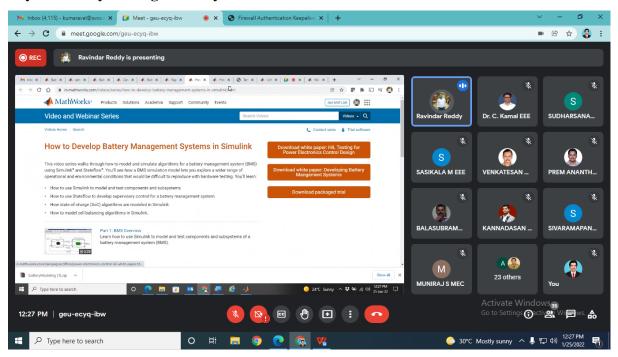
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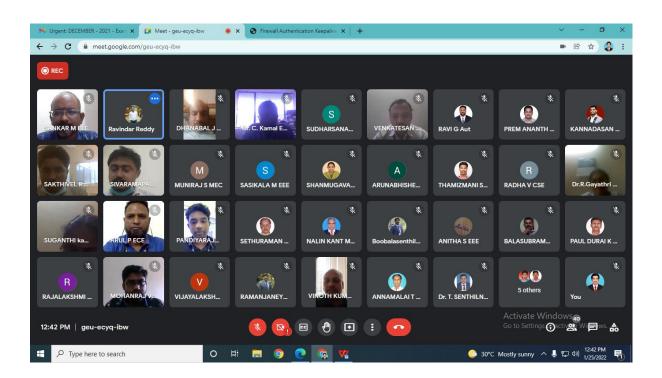


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Day 5: Battery Management Systems





Feedback from the participants:

S. No	First name	Last Name	Institute Name	How do you describ e yoursel f?	How do you rate the today's session ?	Is MATLA B or Simulink relevant for your research or teaching?	If yes, can you mention the broad research area or course you are teaching? (For faculties)	Are you interested in interacting with MathWork s team for your research activity?	How likely are you to recom mend us to a friend or colleag ue?
1	Annamalai	T	SVCE	Facutly	9	Yes		Yes	8
2	RAVI	G	SVCE	Facutly	10	Yes	Hybrid Vehicles	Yes	10
3	SAKTHIVEL	R	SVCE	Facutly	9	Yes	Venicies	Yes	9
4	Suganthi	K	SVCE	Facutly	9	Yes		Yes	10
5	PAUL DURAI	K	SVCE	Facutly	10	Yes		Maybe	9
6	VENKATESAN	С	SVCE	Facutly	9	Maybe		Maybe	9
7	KAMAL	С	SVCE	Facutly	9	No		Yes	9
8	Gayathri	R	SVCE	Facutly	9	Yes	nil	Maybe	10
9	Dhanabal	J	SVCE	Facutly	9	Maybe		Maybe	8
10	Ms.Rajeswari	R	SVCE	Facutly	10	Yes	Deep Learning	Yes	10
11	SUDHARSANA M	S	SVCE	Facutly	9	Yes	Modeling and simulation of transistor for display applications	Yes	10
12	Dr.M.Prem Ananth	M	SVCE	Facutly	10	Yes		Yes	10
13	Sethuraman	SS	SVCE	Facutly	10	Yes	NIL	Yes	10
14	RAMANJANEY ULU	K	SVCE	Facutly	10	Maybe		Maybe	10
15	BALASUBRAM ANIAN	A	SVCE	Facutly	9	Maybe		Maybe	10
16	Boobalasenthilraj	A K	SVCE	Facutly	10	Maybe		Maybe	10
17	Dr.GAJENDIRA N	M	SVCE	Facutly	10	Maybe		Yes	10
18	MOHANRAJ	V	SVCE	Facutly	9	Yes		Yes	9
19	KUMARAVEL	S	SVCE	Facutly	10	Yes	BMS	Yes	10
20	VIJAYALAKSH MI.A.C		SVCE	Facutly	10	Yes		Yes	10
21	Ganesh	V	SVCE	Facutly	10	Yes	Electric Vehicle	Yes	10
22	SHANMUGAVA DIVU	N	SVCE	Facutly	9	Yes	Inverters	Yes	9
23	JAI GANESH	S	SVCE	Facutly	9	Yes	Process Modelling	Yes	9

KR. Sant





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35 Years of Excellence

Department of Electrical and Electronics Engineering Certificate of Participation

This is to certify that Dr./Mr./Ms. ARULMOZHI S, Assistant Professor, EEE of SRI VENKATESWARA COLLEGE OF ENGINEERING has attended the Five days online FDTP on "MATLAB applications to Electric Vehicle, Smart Grid and Battery Management Systems" organized by the Department of Electrical and Electronics Engineering, Sri Venkateswara College of Engineering during 20th January 2022 – 25th January 2022

Dr. K R. Santha Vice Principal, Prof & Head / EEE

KR-Sant

Prof.Dr. S. GaneshVaidyanathan Principal



















Accreditations