
Invitation to attend 2 days workshop on "Recent Technologies in Electric Vehicle and Smart Grid" -reg

1 message

HOD EEE <hodee@svce.ac.in>

Thu, May 26, 2022 at 1:54 AM

To: Principal SVCE <principal@svce.ac.in>, HODs Group <hod@svce.ac.in>, Dean Academic <deanacad@svce.ac.in>, Dean Education Development <deaned@svce.ac.in>, Dean Research <deanres@svce.ac.in>, svcefaculty <svcefaculty@svce.ac.in>, Secretary SVCE <secretary@svce.ac.in>, Web Master - SVCE <webmaster@svce.ac.in>, Library SVCE <library@svce.ac.in>, SVCE Library <lib@svce.ac.in>

Dear Sir/Madam,
Greetings.

The Department of Electrical and Electronics Engineering is organizing a Two days workshop on "**Recent Technologies in Electric Vehicle and Smart Grid**" under **IEI SVCE EEE STUDENT CHAPTER** for all department students. The brochure and schedule are attached herewith.

The details of the program are as follows.

Duration : May 30-31, 2022.
Timing : 08.45 am - 03.15 pm.
Venue : Function Hall,SVCE.
Registration Link : <https://forms.gle/hCbZwsGAILHXGMCW7>
Last Date to Register : May 30,2022 - 8.30 am.
e-Certificate will be issued.


All are invited to attend.

Thank You.

Thanks & Regards,

Dr.KR.Santha,
Vice Principal & HOD/EE
SVCE

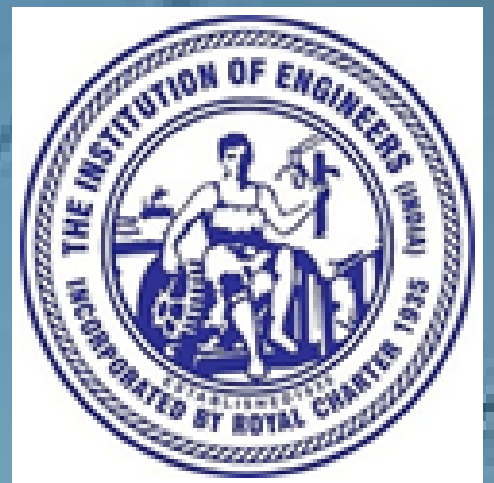
2 attachments

 **IEI Workshop May 30-31,2022 Schedule.pdf**
66K

 **IEI workshop Brochure May 30-31,2022.pdf**
435K



SVCE | Sri Venkateswara
College of
Engineering



Department of Electrical and Electronics Engineering
The Institution of Engineers (India)

Association of Electrical and Electronics Engineers

TWO DAYS WORKSHOP ON

“RECENT TECHNOLOGIES IN ELECTRIC VEHICLE AND SMART GRID”



Keynote Speaker:

Mr.P.S.Prem Kumar,

**Division Manager - Industrial Automation,
Hydrotek Engineering Company,
Kuwait.**



30 - 31 May 2022
8.45AM to 3.15 PM

Venue:

Function Hall

**SCAN TO
REGISTER**



CONVENOR

Dr.KR.SANTHA

Vice Principal, HOD/EEE

IEI SVCE COORDINATOR

Dr.SUDHAKAR K B

Professor/EEE

IEI SVCE EEE STUDENT CHAPTER

Dr.S.G.BHARATHIDASAN

Associate Professor/EEE

PROGRAM COORDINATORS

Dr.S.G.BHARATHIDASAN

Asso Prof/EEE

Dr.S.KUMARAVEL

Asso Prof/EEE

Dr.M.SANKAR

Asst Prof/EEE

SRI VENKATESWARA COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL AND ELECTRICAL ENGINEERING
THE INSTITUTION OF ELECTRICAL ENGINEERS (IEE)

Two days workshop on "Recent Technologies in Electric Vehicle and Smart Grid"

REPORT

The two-day workshop on “Recent Technologies in Electrical Vehicles and Smart Grid” was conducted on 30th and 31st of May, 2022.

The event started by 9.00 AM on 30th May 2022. Mr.P.S.Premkumar, Division Manager - Industrial Automation, Hydrotek Engineering Company, Kuwait, the guest speaker of the first session was accompanied by Dr.KR. Santha, Vice principal and HOD/EEE, Dr.Sudhakar K Bharathan, Professor/EEE, Dr. S.G.Bharathidasan ASP/EEE, Dr. S Kumaravel ASP/EEE, Dr.M.Sankar AP/EEE along with other faculty members of the department and 165 registered student participants were present for the Inaugural session of the workshop at the college Function Hall.



Dr.KR.Santha, Vice principal and HOD/EEE gave the inaugural address sighting the importance of the workshop that is organized and briefed us about the topics of the workshop, after which the Kuthuvizhaku was lit by the dignitaries symbolizing successful inauguration of the workshop. Dr.S.G.Bharathidasan ASP/EEE introduced the Chief Guest.

The first session of the workshop was presented by the Chief Guest. He presented his expert lecture on the topic "IoT for Electrical Engineers" with basic expansions and meaning of the keywords like IoT, IIoT, EoT. Further, he gave detailed explanation on various applications of IoT and elaborated the areas where IoT can be

implemented. He strongly insisted on learning programming language like python. He enumerated its importance from the industrial perspective.

The second session was presented by Dr.M.Sankar, AP/EEE on the topic "Deep Learning in Power Systems". It was an interactive session where the students shared their prior knowledge on the topic. Based on the students interaction, the speaker added further to it and gave them a clear idea on the difference between deep learning and machine learning, the advantages of deep learning over machine learning and its implications in power system.

Post lunch the session was on "Block Chain Technology in Electrical Engineering" by Dr.N.Bhalaji, Associate Professor at SSNCE. He sprinkled the concept of Block Chain and its existing applications. Popular examples like bitcoin and crypto-currency was quoted to understand the same. He also presented the various platforms used for implementing Block Chain Technology. Going a step ahead, he also showed live demo on creation and allocation of memory for blocks.

The fourth session was on " Advanced Communication Technologies for Smart Grid", by Dr.N.Kumaranathan, Professor, ECE. He presented the evolution of Data from 1G to 5G. He also presented about the advantages of 5G. He reiterated the benefits of internet and its existing applications and the way it has eased various processes.

On day 2, the first session was by Dr.S.G.Bharathidasan, ASP/EEE on "Edge Computing Technology". He presented detail explanation on smart grid and its types. He also presented the different types of networks and the importance of edge computing over cloud computing. He inculcated ideas on implementing smart grid and time-based tariff.

The second session of the day was " Charging Solution for Electric Vehicle" by Mrs. Arulmozhi, AP/EEE. She started explaining basics of the components and architecture of an EV. Moving further, she presented about the various types of batteries, methods to charge them along with their pros and cons. She also detailed on the various methods available for charging EVs.

The third session of the day was "Digital Twin and Physical System" by Dr. Sudhakar K Bharathan, Prof/EEE. As the topic was new to the audience, he presented the basics of Digital Twin technology. He explained the reason for the name, process to create a digital twin, software used and the run time of the software. He briefed about the merits and demerits of digital twin. He also briefed on the various types of memory elements and its fabrication.

The last session of the workshop was "Cyber Security in Smart Grid" by Dr.S.Kumaravel, ASP/EEE. He presented the importance of securing the data and also briefed on various cyber security threats that had occurred around the globe.

On the whole, the two-day workshop has instilled a lot of ideas among the young minds. The workshop was really helpful in identifying areas of interest and scope for research in the upcoming years.


HOD/EEE

PARTICIPANTS NAME LIST:

Two days workshop on “Recent Technologies in Electric Vehicle and Smart Grid”

S.No	NAME	30.05.2022	31.05.2022
1	AARTHI G	/	/
2	ABHISHEK N	/	/
3	AKASH PRBHAGAR G R	/	/
4	ANANYA A	/	/
5	ARAVIN TAKSHAN K K	/	/
6	BARATH S N	/	/
7	CHANDIRAPRIYAN K	/	/
8	DAIWIK DUTTA	/	/
9	DEEPAKRAJ N R	/	/
10	DEEPIKA DHAVAMOORTHY	/	/
11	DHARMEEGAN K	/	/
12	DHARUN PRASANTH G	/	/
13	DINESH C	/	/
14	DIVYA R	/	/
15	EPSIYA I	/	/
16	GIRI RAAJ A V	/	/
17	GOKUL N	/	/
18	HARI ASHWIN S	/	/
19	HARISH RAM G	/	/
20	HARISH S	/	/
21	HEMARUPHAN S	/	/
22	INFANT VIMAL M	/	/
23	JAIGANESH B	/	/
24	KALANCHIYAM M	/	/
25	KANISHKHA G T	/	/
26	KAVIBHARATHI S	/	/
27	KAVINAYA SREE T	/	/
28	KEERTHISVAR S	/	/
29	MADHAN RAAJ P	/	/
30	MALA ALICE ISHWARYA S	/	/
31	MANOCHANDAR C	/	/
32	MANOJ M	/	/
33	MANUSH K R	/	/
34	MEYYAPPAN SP	/	/
35	MOHAMED NOWFUL A	/	/
36	MOHANA KRISHNAN K	/	/

K.R. Paul

S.No	NAME	30.05.2022	31.05.2022
37	MUGUNTH KRISHNA P	/	/
38	NAVEENKUMAR E	/	/
39	NAWRAS AHAMED N	/	/
40	BARATH RAJ R	/	/
41	GOWTHAM B	/	/
42	HAREIS V	/	/
43	HELSON BOBY J	/	/
44	KABILAN P	/	/
45	NESON RAJ S	/	/
46	PRATHEEP S	/	/
47	RAGUL K K	/	/
48	RAHUL E	/	/
49	RAKSHAYA KAMINI VASUTHA K	/	/
50	RAMYA R	/	/
51	RATHISHKUMAR R	/	/
52	ROSHAN RAM K	/	/
53	SAKTHIUMA S	/	/
54	SANJANA SURESHKUMAR	/	/
55	SANTHOSHKUMAR S	/	/
56	SARAVANAKUMAR N	/	/
57	SHABHARI S	/	/
58	SHAKTHIVEL S	/	/
59	SHRI VARSHAN S	/	/
60	SINDHUJA M	/	/
61	SIVA KUMAR S	/	/
62	SOURISH S	/	/
63	SREE HARRISSH P	/	/
64	SREENIDHI R	/	/
65	SRINIDHI K	/	/
66	SRINIKESH G	/	/
67	SRINIVAS RAGHUL M	/	/
68	SRINIVASAN V	/	/
69	SRIRANGA ABHIRAM G	/	/
70	SUBANI SHREE G	/	/
71	SURESH B	/	/
72	SURUTHIGHA S K	/	/
73	SWETHA A	/	/
74	THARUN BALAJI G	/	/
75	THIRUVENGADAM S	/	/
76	UPILLIKANNAN S B	/	/
77	VARUN KUMAR M	/	/
78	VASANTH A	/	/

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79	VASANTH B	/	/
80	VISALAKSHI P	/	/
81	VISHNUPRIYA K	/	/
82	VISWASREE S	/	/
83	YOGARAJ V	/	/
84	RAM PRAKASH N	/	/
85	SARAVANAPRIYAN M	/	/
86	SHANMUGA VELAN M	/	/
87	SHIVASRUTH S	/	/
88	TAMILSELVAN E	/	/
89	ADARSH K	/	/
90	AJAY ROHITH G	/	/
91	ANIRUDHH S	/	/
92	ARAVIND S	/	/
93	ARUN S	/	/
94	ARUN PRASATH N	/	/
95	ASHWANTHRAM T	/	/
96	ASHWIN K	/	/
97	ASHWIN KUMAR B	/	/
98	AUGUSTIN A	/	/
99	BALAKRISHNAN S	/	/
100	BALASURIYA M	/	/
101	BHARATHI PRIYADHARSHINI P	/	/
102	BHARATHWAJ P	/	/
103	DAFINNY T	/	/
104	DEEPAK BALASUBRAMANIAN P	/	/
105	DEEPAK H	/	/
106	DHAANYAAKUMAAR G S	/	/
107	DHANUSH RAGAV P	/	/
108	DHARINI K N	/	/
109	DHIVYA B	/	/
110	DHRUV S	/	/
111	ESHWARAN P	/	/
112	GRIDHAR BABU S	/	/
113	GUHAN SANJEEVI V	/	/
114	GUNAAL M	/	/
115	HAREESH V	/	/
116	HARIHARAN E	/	/
117	HARINI N	/	/

K.R. Sankar

118	HEMANATH P	/	/
119	HIRTHIC KUMAR S	/	/
120	JAGANATHAN K	/	/
121	JASHWANTH M V	/	/
122	JASSIM AHMED R	/	/
123	JAWAHAR T	/	/
124	JAYAKRISHNA D N	/	/
125	JAYASHREE V	/	/
126	JERIN M	/	/
127	KARISHA ANANYA N	/	/
128	KARTHICK RAMANAN S P	/	/
129	KATHEREESAN K	/	/
130	DINESHKUMAR P	/	/
131	GOKULA KRISHNAN M	/	/
132	KAARTHIKEYAN R	/	/
133	KARAN S	/	/
134	KUMARAN D	/	/
135	NIRMAL R	/	/
136	RAHUL C	/	/
137	KEERTHANA S	/	/
138	MADHUMITHA B	/	/
139	MANJU R	/	/
140	MIRUTHINA RASHMI S	/	/
141	MOHAMED HARRIS R	/	/
142	MOHAMED KAIF D	/	/
143	MOHANISHWAR K	/	/
144	NARENDRAN K	/	/
145	NAVEEN KUMAAR K	/	/
146	NAVEEN KUMAR RA	/	/
147	NIKHIL R RATHI	/	/
148	PANIMALAR S N	/	/
149	POORANI B	/	/
150	RAGHUL K	/	/
151	RAGHUL R	/	/
152	RAJESH KUMAR M	/	/
153	RAMANA R P	/	/
154	RESHMA S	/	/
155	SABARI S	/	/
156	SAI SURIYA R K	/	/

157	SAI TEJA K	/	/
158	SAKTHIVEL R	/	/
159	SAKTHIVELU K M	/	/
160	SANJAY K	/	/
161	SANTHOSH B	/	/
162	SARAN PRASAANT T	/	/
163	SARANYA K	/	/
164	SHARATHKUMAR V G	/	/
165	SHARON MONISHA P	/	/

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