



Koneru Lakshmaiah Education Foundation

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Campus: Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.

Phone No. +91 8645 - 350 200; www.klef.ac.in; www.klef.edu.in; www.kluniversity.in

Admin Off: 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002. Ph: +91 - 866 - 3500122, 2576129

Ref: KLEF/ HOD-EEE/2019-20

Date: 27-02-2020

Orders of the Vice-Chancellor dt.27-02-2020

CIRCULAR

Sub: Conduction of a Webinar on “Electric Vehicles-Fast Charging Stations” by Department of EEE, KLEF – Reg.

Ref: Letter dated 25.02.2020 from Dr.S.V.N.L. Lalitha, Professor, EEE, forwarded by HoD-EEE.

This is to inform that Department of EEE, KLEF, in association with IEEE Guntur Subsection is conducting a webinar on “Electric Vehicles-Fast Charging Stations” for the benefit of faculty members and students as per the details given below.

Resource Person : Dr.Y. Chandrasekhar, Asst. Professor, NIT Warangal

Date & Time : 28-02-2020, 10.00 a.m. to 11.00 a.m.

Registration Link : <https://events.vtools.ieee.org/event/register/263788>

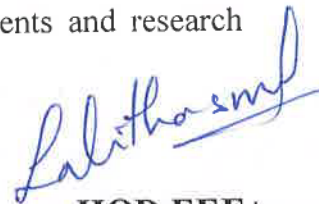
Webinar link for participation: <https://kluniversity.webex.com/meet/III-EEE>

Faculty Coordinators:

Dr.S.V.N.L. Lalitha, Professor, EEE Department, K L E F

Dr.B. Jyothi, Assoc. Professor, EEE Department, K L E F

In this regard, the Head of the Department encourage the faculty, students and research scholars to participate and get maximum benefit out of this.


HOD EEE
Dr. S.V.N.L. LALITHA
Dr. S.V.N.L. Lalitha
Professor & Head
Department of EEE
KLEF Deemed to be University
Green Fields, Vaddeswaram,
Guntur Dt., A.P., - 522 502.



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Webinar Report on Electrical Vehicle Fast Charging stations

Organized by Dept of EEE and IEEE Guntur subsection

Date: 28.02.2020

The theme of the webinar is “Electric vehicles-Fast charging stations”. Webinar has started by Dr.S.V.N.L.Lalitha. Meeting started with introduction of resource person (Dr. Y. Chandrasekhar) he is Asst. Professor at NIT Warangal and also discussed about the achievements of the resource person.

Chandrasekhar | Dr.S.V.N.L.Lalitha | usha rani | 180069018 KATIKE JAN | yeddu dinakar

राष्ट्रीय प्रौद्योगिकी संस्थान वाराणसी
National Institute of Technology Warangal | Department of Electrical Engineering

Research aspects of Electric Vehicle Fast Charging Stations and its effect on Distribution Systems

Dr. Chandrasekhar Yammani
Assistant Professor
Department of Electrical Engineering
Ph:8332969290
Email: chandrayammani@nitw.ac.in
chandrayammani@gmail.com

Discussion on the topic of Electrical Vehicle Fast Charging stations:

The resource person told about the electric vehicle charging stations from 10:10 AM to 11:00AM. An electric vehicle charging station, also called EV charging station, electric recharging point, charging point electronic charging station (ECS), and electric vehicle supply equipment (EVSE), is a machine that supplies electric energy for the recharging of plug-in electric vehicles-including electric cars, neighborhood electric vehicles and plug-in hybrids.

Some electric vehicles have converters on board that plug into a standard electrical outlet or a high-capacity appliance outlet. Others use a charging station that provides electrical conversion, monitoring, or safety functionality. These stations can support faster charging at higher voltages and currents than residential EVSEs.

Charging stations provide a range of heavy duty or special connectors that conform to the variety of standards. For common DC rapid charging, multi-standard chargers equipped with two or three of the Combined Charging System (CCS), CHAdeMO, and AC fast charging has become the de facto market standard in many regions.

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Chandrasekhar	Dr.S.V.N.L.Lalitha	usha rani	180069018 KATIKE JAN	Kanduri Lakshman Pava

Types of Electric Vehicles

- **Hybrid Electric Vehicles (HEVs)**
HEVs are powered by *both petrol and electricity*. The electric energy is generated by the *car's own braking system* to recharge (regenerative braking) the battery.
- **Mild Hybrid**
Mild Hybrid cars only use → electric motors to *support the engine during acceleration and cruising* – the electric motor cannot power the car on its own. The *petrol engine and electric motors work together* to give you a strong boost of power.
- **Full Hybrid cars**
When compared with mild Hybrids, the main benefit of full Hybrid cars is, *its two power sources operate entirely independently* of each other.
- **Plug-in Hybrid Electric Vehicles (PHEVs)**
Also known as Extended-Range Electric Vehicles (EREVs), this type of EV is powered by both petrol and electricity.

2/28/2021 DrVCS
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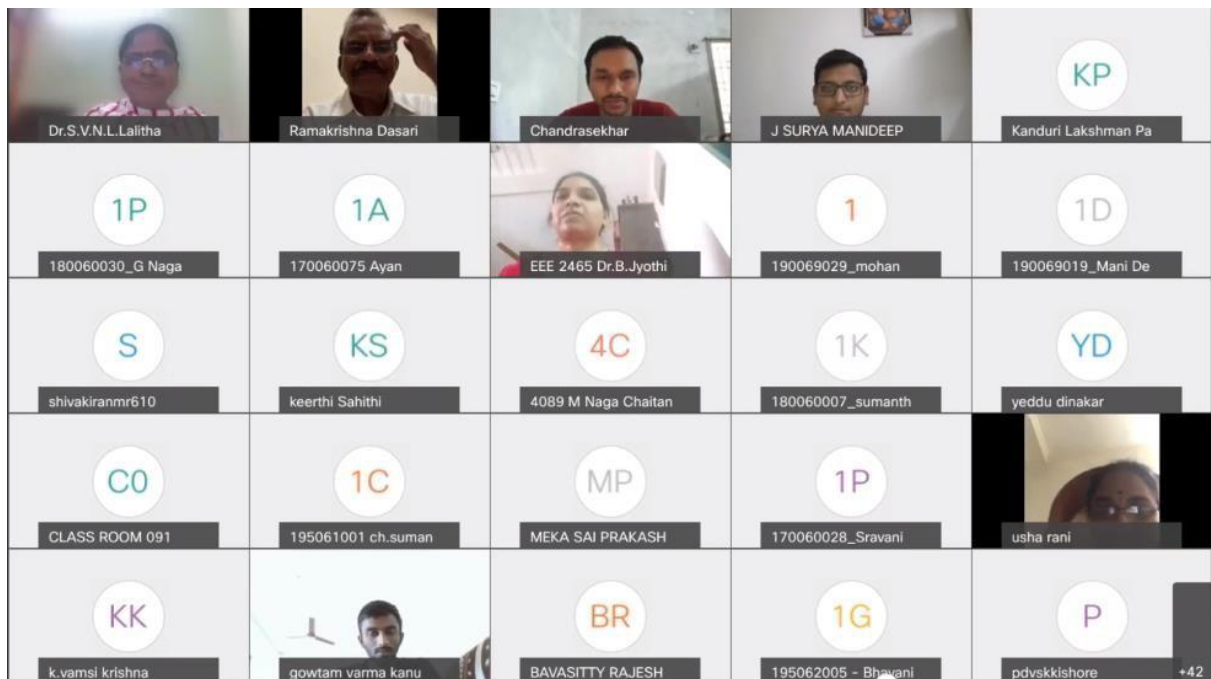
Public charging stations are typically on-street facilities provided by electric utility companies or located at retail shopping centers, restaurants and parking places. They can be operated by various private companies

Finally the session was finished by presenting a virtual memento to resource person by Dr. S V N L.Lalitha and Dr. D Rama Krishna



Efftronics CEO – Dr. D Rama Krishna

Dr. D Rama Krishna told about his experience and about his company from 11:00 AM to 11:30 AM. Efftronics Systems CEO Rama Krishna Dasari said he always keeps himself updated with the latest technology. Efftronics Systems Private Limited is a Private incorporated on 19 June 1987. It is classified as Non-govt. Company and is registered at Registrar of Companies, Vijayawada. Its authorized share capital is Rs. 17,500,000 and its paid up capital is Rs. 15,905,000. It is involved in other wholesale.



Battery Management System

After this Dr. K Narshima Raju Professor of KLEF had told about the Battery Management system from 11:30 AM to 12:00 PM. In this he had told about that our college solving the different problems faced by different companies like Wipro. He had said that the KLEF College had research laboratory on Battery Management system. A battery management system (BMS) is any electronic system that manages a rechargeable battery (cell or battery pack), such as by protecting the battery from operating outside its safe operating area, monitoring its state, calculating secondary data, reporting that data, controlling its environment, authenticating it and / or balancing it.

He also discussed about the future work that is going to happen at KL University on battery modelling and battery management system. A part from this the highlighting point of this meeting is that behalf of K L University we are going to design a Electric vehicle and he told about the thought behind design of that EV.



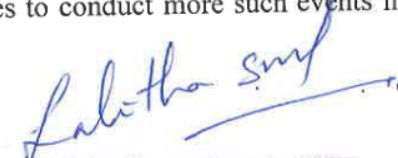
Benefits of IEEE membership

Dr. S V N L Lalitha had explained about the benefits of IEEE membership from 12:00 PM to 12:30 PM. IEEE members can enjoy reduced rates on many proprietary products and services including IEEE books and eBooks, journals and articles, conferences and proceedings, standards, society memberships, and continuing education courses. In addition, members have access to a variety of affinity programs that offer savings. IEEE members can access information on local events and activities by signing in to IEEE Collaborate, an integrated multi-functional platform and global network of technology-focused professionals, leveraging IEEE's extensive knowledge base and community of thought-leaders.

Vote of Thanks

Vote of thanks was given by Dr. B Jyothi at 12:30 PM in which she had thanked all the participants, recourse persons, faculty members and students. In this webinar total 126 students and 15 faculty members had attended this webinar. She wishes to conduct more such events in future.


Event Coordinator
 Dr.B. Jyothi


Head of the Department -EEE
Dr.S.V.N.L.Lalitha
Department of EEE
KLEF Deemed to be University
Green Fields, Vaddeswaram,
Guntur Dt.,A.P., - 522 502.

2019-20 students participation-Webinar on Electric Vehicles-Fast Charging Stations		
S.NO	ID NO	Name of the student
1	150060111	Akurati Satya Pranav
2	150060112	SRIKAKOLAPU ABHISHEK KUMAR
3	160060001	AKULA HRUDAY SAI
4	160060002	AKURATHI VELANGINI RAJU
5	160060003	ALAMURU KRISHNA PRIYANKA
6	160060004	ALLU SANTHOSH REDDY
7	160060005	AMBULA MADHURI
8	160060006	ANAM AKHILA
9	160060007	ANNA AMARA SRINIVAS
10	160060008	ANNEPU CHINNA RAO
11	160060009	ANUSHA MERUGU
12	160060010	ARIKATLA LEELA LEELA KAVINDRA SARMA
13	160060011	ARYASOMAYAJULA SIRISHA
14	160060012	BHATTIPROLU SAI GARGEYA
15	160060013	ESWAR REDDY BHIMAVARAPU
16	160060014	BONAMSETTI MADHU
17	160060015	BOYINA KANAKA RAJA ASISH
18	160060016	C AKSHAY KUMAR
19	160060017	CHAPPIDI KIRAN MANIKANTA
20	160060018	CHARAN TEJA KAMINENI
21	160060019	CHEEDIPUDI SAMYUKTHA REDDY
22	160060020	CHEKKA LAKSHMI DURGA
23	160060021	CHINTALAPUDI N V M SAI TEJA
24	160060022	CHUKKAPALLI T SAI REVANTH BABA
25	160060025	DASIREDDY NAGA ABHILASH REDDY
26	160060026	DHAKUPATI TARA KAMA
27	160060027	DUDDUKURI SWATHI
28	160060028	DUNGA CHETAN SRINIVAS RAO
29	160060029	G SESHASAI SRIKAR
30	160060030	GADDAM NITHIN
31	160060031	GANDIKOTA SAI NIKHEEL
32	160060032	GARLAPATI D V N S L KUMAR
33	160060033	GOLLAPALLI HARSHA NIKHANJ
34	160060034	GORANTLA KOTESWARA RAO
35	160060036	GRANDHI LAKSHMI NARAYANA
36	160060037	GUDAVALLI HARISH
37	160060039	GUDURU GANESH
38	160060040	GUMMA MOWNIKA
39	160060041	YAMUNA GUNTAMUKKALA

40	160060042	GURIJALA CHAITANYA
41	160060043	H HARINATH REDDY
42	160060044	INAKOLLU MANOJ KUMAR
43	160060045	JANDHYALA SAI SRIVIDYA
44	160060046	JATHI NAVEEN YADAV
45	160060047	JONNALA BHAVYA
46	160060048	KALLA SASI KUMAR REDDY
47	160060049	KANIGOLLA YASWANTH SAI
48	160060050	KAPUGANTI VENKATA KIRAN KUMAR
49	160060052	KARIMULLA BAIG
50	160060053	KARNATI MANOJ KUMAR
51	160060054	KARRI VINAY SUDHEER
52	160060055	KASUKURTHI RAVI KIRAN
53	160060056	SWATHI AMMU
54	160060057	KATURI KEERTHI
55	160060058	KOLLI SRISAI SUDHAKAR REDDY
56	160060060	KORABOYINA ANIL KUMAR
57	160060061	KOTA LAKSHMI AMRUTHA VARSHINI
58	160060062	KOTAPATI SUBHASH REDDY
59	160060063	KOTHA PRUDHVI RAJ
60	160060064	KUCHI SUMANTH
61	160060065	KUPPALA MURALI KRISHNA
62	160060066	L VARUN CHOWDARY
63	160060067	Komal Sai Manohar Lanka
64	160060068	LOURDHU MARY THUMMA
65	160060069	M S V RAHUL KARTHIK
66	160060071	MANIPATRUNI JASVANTH
67	160060073	MANNAM NIKHITHA
68	160060074	MARAM BALA BHAGYA SREE
69	160060075	MATHI VENKATA RISHIKA
70	160060077	MEDIPALLY SUDAKSHINA
71	160060078	MOHAMMED ABDUL AHAD
72	160060079	MORUBOINA PRAVALLIKA
73	160060080	MUKTINENI BHARGAV SAI
74	160060081	MULA JAGADEESWARA REDDY
75	160060082	MULLAPUDI NITIN VISWANATH
76	160060083	MUSKULA CHAKRADHAR REDDY
77	160060084	NAMBURI CHANDU SRINIVASA MANIKANTHA SURYA
78	160060085	NUTHANAPATI LIKITHA
79	160060086	ORUGANTI SAI THARUN
80	160060087	P GANESH

81	160060088	PADIDADAKALA ANIL KUMAR
82	160060089	PAIDIPATI POORNA ANJANA KUMARI
83	160060090	PALLA NARASIMHA MURTHY
84	160060091	PAMIDIMUKKULA DHARANI
85	160060092	PANGI SRAVYA
86	160060093	PATAN NOORSHIBA
87	160060094	PATHAN SHABNAM
88	160060096	PEDDISSETTY SARATH NAGA SAI RAM
89	160060097	PENMATSA SWATHI
90	160060098	PINNINTI ARCHANA
91	160060099	POCHANA LOKESWAR REDDY
92	160060102	POLISETTI NIKHIL
93	160060103	PUGGALA VISWA TEJA
94	160060104	PULAKHANDAM ADITHYA SESA SAI KRISHNA
95	160060106	PUNYAMURTHULA VENKATA SRI SIVANI
96	160060108	RAYAPEDDI NARASIMHA PHANIDHAR SAI ANIRUDH
97	160060109	REDDY MADHAVI
98	160060110	REDDY SAI CHANDAN
99	160060111	RELANGI BHARGAVI VENKATA RAMYA
100	160060112	RESU GOWTHAM SAI
101	160060113	SADAY BOLEM
102	160060114	SAKETI SHIVAKUMAR
103	160060115	SANAKKAYALA NAVEEN
104	160060116	SASI SREE PHANEEDRA ELURU
105	160060117	SHAIK JANI BASHA
106	160060119	SONTI VASAVIDUTT
107	160060120	SURYADEVARA KIRAN PRIYA
108	160060121	SYED ARIEF
109	160060122	TAPAL SHAIK ALTHAF
110	160060124	THUMMALA SIVA SAI
111	160060125	THUMMETI MANOJ REDDY
112	160060127	TIRUVEEDULA VEERAVENKATA SUBHADRA GEETHA
113	160060128	TURIBELLE LAXMI SAI KIRAN
114	160060129	V S P CHANDRIKA KOTA
115	160060130	VADDI SAI SRI HARSHA
116	160060131	VATTIKONDA SAI PRANAY
117	160060132	VATTIKUTI YAMINI BHAGYA SREE
118	160060133	VELAGALA TARA RAMA REDDY
119	160060134	VELLANKI LIKHIL CHARAN
120	160060135	VEMULAPALLI SRI VARDHAN
121	160060136	VEMURI SAI CHAND

122	160060137	VINAY ARE
123	160060138	YEDDULA BHAVYA SREE
124	160060139	YENIGALLA MOHANA
125	160060140	BOYINA VIJAYENDRA PRANAV
126	160060141	AMBATI CHANDRA KIRAN
127	160060143	M YESWANTH
128	160060144	GUDDETI VIJAY
129	160060146	BACHCHA RAM HARIJAN
130	160060105	P.SAI PAVAN KIRAN
131	170030034	A.SANDEEP
132	170060001	ADUSUMALLI V SAI PAVAN KUMAR
133	170060003	BAGAM SAI CHANDU
134	170060004	BETHANABOTLA MANOJ KOUSHIK
135	170060005	BONTHULA MOHAN SAI
136	170060006	CH SUDEEPTI
137	170060007	CHADALAVADA LAKSHMI MANASA
138	170060008	CHERUKURI APARNA
139	170060009	DEBAJIT DUTTA
140	170060010	ELURU SARAVAN
141	170060012	GOODA SANDEEP
142	170060013	GOVARDHAN MOGILI
143	170060014	GUDDANTI BHAVYA SREE
144	170060015	GULIPALLI GANESH

145	170060016	GUNTI DINESH
146	170060019	JAMI SRINATH
147	170060020	JASTI DEVA SAI PAVAN KUMAR
148	170060021	JILUGU CHANDRASEKHAR REDDY
149	170060022	KADIYAM SAMEEKSHA
150	170060024	KALLI MOUNICA LAKSHMI
151	170060025	KAMIREDDY VEERENDRA REDDY
152	170060027	KANURI VENKATA SIVA SUMANTH
153	170060028	KATARI SRAVANI PRIYA
154	170060030	KORADA KARTHIK
155	170060031	M SATYARDHA PRAVASHIK
156	170060032	MADA VIDYA KRISHNA SHARMA
157	170060033	MADANPALLY YASHWANTH REDDY
158	170060034	MALIGIREDDY GIRISH REDDY
159	170060035	MOHAMMED AFROZ AHMED MUDDASSIR
160	170060036	MUSINI SOMASANKAR
161	170060037	MUTYLA VIKAS CHOWDARY
162	170060038	NALLA UDAYA KUMAR
163	170060039	NALLANI SAI MAHESH
164	170060040	NIDUMOLU SUSEEL KUMAR
165	170060042	NUNNA SRINATH
166	170060043	PAGADALA BHAVANA
167	170060044	PALETI PRUDHVI VENKATA SAI
168	170060046	PAPPU PRIYANKA
169	170060047	POLASI VENKATA KIREETI
170	170060048	PONDURI VISHNU SAI SREE
171	170060049	PRATIMA SAI KRISHNA
172	170060051	RACHAMALLU SAI ROHAN REDDY
173	170060053	RANGINENI LOKESH
174	170060054	SANKURATHRI LOKESH BABU
175	170060055	SETTIPALLI NEELIMA
176	170060056	SHAIK AFROZ
177	170060057	SHAIK MAHABOOB SUBHANI
178	170060058	SORAKUNDLA CHANDANA
179	170060059	TANKASALA KESAVA KRISHNA
180	170060060	TELAGATHOTI BABUJI


HOD EEE

Dr.K.Narasimha Raju
Professor & Head
Department of EEE
KLEF Deemed to be University
Green Fields, Vaddeswaram,
GUNTUR Dt., A.P - 522 502