



## Koneru Lakshmaiah Education Foundation

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

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Ref: KLEF/HOD-EEE/2018-19

Date: 18-07-2018

### CIRCULAR

**Sub:** Conduction of “ A Seminar on Smart Grid Technology” by Department of EEE, KLEF – Reg.

Ref: Letter dated 16.07.2018 from Dr.S.V.N.L. Lalitha, Professor, EEE, forwarded by HoD-EEE.

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This is to inform that Department of EEE, KLEF, in association with IEEE Guntur Subsection is conducting a “ Seminar on Smart Grid Technology” for the benefit of faculty members and students as per the details given below.

**Resource Person** : Dr. Santosh Bhawe, Director- HR & IR at Bharat Forge Ltd  
Pune, Maharashtra, India

**Date & Time** : 20-07-2018 02:30-03:30pm

**Venue:** Peacock Hall

Faculty Coordinators:

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

Mr.M.Srikanth 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.O.Chandra Sekhar

Professor & Head  
Department of EEE  
KLEF Deemed to be University  
Green Fields, Vaddeswaram  
GUNTUR Dt., A.P - 522 302



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### KLEF/ EEE/ IQAC - ACAD/ AQ.13/ Details of Professional Society Activities conducted (including Research clubs)-Report

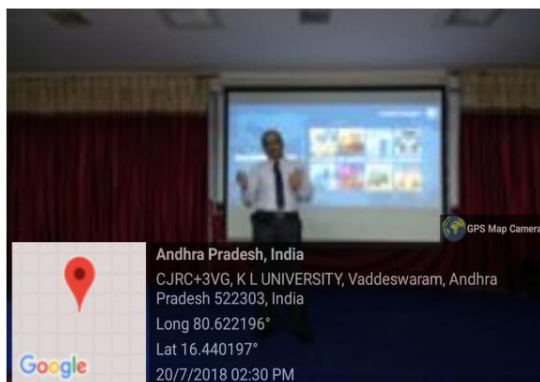
#### A Seminar on Smart Grid Technology

**Date: 20.07.2018**

**Venue:Peacock Hall**

As per the committee meeting conclusions, the following activities were organized by the committee members.

Guest Lecture is a activity organized by Dept. of EEE of K L University as a part of IEEE PSA activity on 20-07-2018 from 02:30-03:30pm. The resource person is Dr. S.V. Bhave our distinguished Keynote Speaker has rich experience in the field of HRM. He has always worked for Change management and people capability building. Sir has also integrated corporate and academic interaction in phased manner. He has undertaken various learning initiatives to bridge the skill gap.



The seminar on Smart Grid Technology was held on [Date] at [Location], aiming to explore the advancements, challenges, and applications of smart grid technology in modern energy systems. The seminar brought together industry experts, researchers, policymakers, and stakeholders to discuss the transformative potential of smart grids in enhancing grid reliability, efficiency, and sustainability.

**Objectives: -**

**Discussion of Challenges:**

Facilitate discussions on the challenges associated with the implementation of smart grid technology, such as cybersecurity risks, interoperability issues, regulatory barriers, and financing constraints.

**Identification of Applications:**

Identify and discuss various applications of smart grid technology in modern energy systems, including demand response, distributed energy resource management, grid modernization, and energy storage integration.

**Networking and Collaboration:**

Provide networking opportunities for participants to connect with peers, industry experts, and potential collaborators in the field of smart grid technology, fostering collaboration and knowledge exchange.

**Topics Covered:**

1. Overview of Smart Grids:
  - Definition and characteristics of smart grids.
  - Evolution of traditional power grids to smart grids.
  - Key components and functionalities of smart grid infrastructure.
2. Advanced Metering Infrastructure (AMI):
  - Role of AMI in enabling real-time monitoring and control of energy consumption.

- Benefits of smart meters in promoting energy efficiency and demand-side management.
  - Deployment challenges and best practices for AMI implementation.
3. Grid Automation and Control:
- Automation technologies for grid monitoring, fault detection, and restoration.
  - Integration of renewable energy sources and distributed generation into smart grid systems.
  - Grid resilience and reliability enhancement through advanced control algorithms.
4. Demand Response and Energy Management:
- Importance of demand response programs in optimizing grid operation and reducing peak loads.
  - Smart home technologies for energy management and optimization.
  - Role of energy storage systems in supporting demand response initiatives.
5. Cybersecurity and Data Privacy:
- Challenges and strategies for ensuring cybersecurity in smart grid networks.
  - Data privacy concerns associated with the collection and analysis of smart grid data.
  - Regulatory frameworks and standards for safeguarding smart grid infrastructure.

### **Key Insights and Recommendations:**

- Smart grid technology offers significant opportunities for improving grid efficiency, reliability, and sustainability by integrating advanced monitoring, control, and communication capabilities.
- Collaboration among utilities, technology providers, regulators, and consumers is crucial for successful smart grid implementation and deployment.
- Investments in research and development are needed to address technical challenges and optimize the performance of smart grid systems.
- Robust cybersecurity measures and data privacy policies are essential to protect smart grid infrastructure and consumer information from potential threats.

The seminar provided valuable insights into the potential of smart grid technology to transform the energy sector and address the evolving needs of modern electricity grids. By leveraging innovative technologies and collaborative approaches, smart grids can pave the way towards a more resilient, efficient, and sustainable energy future.

**Outcome: -**

**Networking Opportunities:**

Networking opportunities provided during the seminar allow participants to connect with peers, industry experts, and potential collaborators, fostering new partnerships and collaborations in the field of smart grid technology.

**Policy and Regulatory Insights:**

Policymakers and regulators gain insights into the policy and regulatory frameworks needed to support the deployment and adoption of smart grid technology, leading to the development of more supportive and conducive regulatory environments.

**Inspiration for Action:**

The seminar inspires participants to act by exploring new initiatives and projects related to smart grid technology, encouraging innovation and collaboration in the development of advanced energy systems.

**Promotion of Grid Reliability, Efficiency, and Sustainability:**

By promoting the transformative potential of smart grids in enhancing grid reliability, efficiency, and sustainability, the seminar contributes to the transition towards a more resilient and sustainable energy future.

*M. Srikanth*

Professional Society Activity I/C

Mr.M.Srikanth

*Dr. O. Chandra Sekhar*

HOD EEE

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2	170030034	A.SANDEEP	A. Sandeep
3	170060001	ADUSUMALLI V SAI PAVAN KUMAR	A. Sai Pavan
4	170060003	BAGAM SAI CHANDU	B. Sai Chandu
5	170060004	BETHANABOTLA MANOJ KOUSHIK	B. Manoj Koushik
6	170060005	BONTHULA MOHAN SAI	B. Mohan Sai
7	170060006	CH SUDEEPTI	Ch. Sudeepti
8	170060007	CHADALAVADA LAKSHMI MANASA	Lakshmi Manasa
9	170060008	CHERUKURI APARNA	Aparna
10	170060009	DEBAJIT DUTTA	D. Dutta
11	170060010	ELURU SARAVAN	E. Saravan
12	170060012	GOODA SANDEEP	G. Sandeep
13	170060013	GOVARDHAN MOGILI	Mogili
14	170060014	GUDDANTI BHAVYA SREE	G. Bhavya Sree
15	170060015	GULIPALLI GANESH	G. Ganesh
16	170060016	GUNTI DINESH	G. Dinesh
17	170060019	JAMI SRINATH	J. Srinath
18	170060020	JASTI DEVA SAI PAVAN KUMAR	Pavan Kumar
19	170060021	JILUGU CHANDRASEKHAR REDDY	J. Chandrasekhar Reddy
20	170060022	KADIYAM SAMEEKSHA	K. Sameeksha
21	170060024	KALLI MOUNICA LAKSHMI	K. Lakshmi
22	170060025	KAMIREDDY VEERENDRA REDDY	← AB →
23	170060027	KANURI VENKATA SIVA SUMANTH	K. Venkata Siva
24	170060028	KATARI SRAVANI PRIYA	Sravani Priya
25	170060030	KORADA KARTHIK	K. Karthik
26	170060031	M SATYARDHA PRAVASHIK	Pravashik
27	170060032	MADA VIDYA KRISHNA SHARMA	M. Vidya Krishna
28	170060033	MADANPALLY YASHWANTH REDDY	Yashwanth Reddy
29	170060034	MALIGIREDDY GIRISH REDDY	M. Girish
30	170060035	MOHAMMED AFROZ AHMED MUDDASSIR	M. Afroz
31	170060036	MUSINI SOMASANKAR	M. Somasankar
32	170060037	MUTYLA VIKAS CHOWDARY	Vikas chowdary
33	170060038	NALLA UDAYA KUMAR	Udaya Kumar
34	170060039	NALLANI SAI MAHESH	N. Sai
35	170060040	NIDUMOLU SUSEEL KUMAR	A. Suseel Kumar
36	170060042	NUNNA SRINATH	Srinath
37	170060043	PAGADALA BHAVANA	P. Bhavana
38	170060044	PALETI PRUDHVI VENKATA SAI	p. venkata sai
39	170060046	PAPPU PRIYANKA	Priyanka
40	170060047	POLASI VENKATA KIREETI	P. Venkata Kireeti
41	170060048	PONDURI VISHNU SAI SREE	P. Vishnu
42	170060049	PRATIMA SAI KRISHNA	Pratima
43	170060051	RACHAMALLU SAI ROHAN REDDY	Rohan Reddy
44	170060053	RANGINENI LOKESH	R. Lokesh
45	170060054	SANKURATHRI LOKESH BABU	← AB →
46	170060055	SETTIPALLI NEELIMA	N. Neelima
47	170060056	SHAIK AFROZ	Afroz
48	170060057	SHAIK MAHABOOB SUBHANI	Subhani
49	170060058	SORAKUNDLA CHANDANA	S. Chandana

50	170060059	TANKASALA KESAVA KRISHNA	Kesava Krishna
51	170060060	TELAGATHOTI BABUJI	Babaji
52	170060061	TIRUVURI CHRAN SAI	Chran Sai
53	170060062	TUBATI KISHORE	Kishore
54	170060063	VEGURU VISWA TEJA	Viswa Teja
55	170060064	VOBHILINENI SAI PRAVEEN	V. Sai
56	170060065	VUYYURU LAKSHMI GOWTHAM BABU	V. Lakshmi
57	170060066	YADAPALLI BHAVANA	Y. Bhavana
58	170060067	YEAKAMBARAM MAHENDRA	Y. Mahendra
59	170060068	YUSUF KHAN PATTAN	Y. Khan
60	170060069	VEPE SATYA SAI NARSIMHA VARMA	K. Raja
61	170060070	KASMURI RAJA RANGANATH	K. Raja Ranganath
62	170060071	KOMMURI PARVESH	K. Parvesh
63	170060072	MOHAMMAD HAYAZI	M. Hayazi
64	170060074	YARRAMSETTY LOK CHANDRA MOULI	L. Chandra Mouli
65	170060075	MD AYAN	MP. Ayan
66	170060076	PARVATINENI GUNADEEP	P. Gunadeep
67	170060077	CHENNAPELLI JAYA DEEPAK	C. Jaya
68	170060078	DUDEKULA SHAROOQ	D. Sharooq
69	170060079	SAUNDARY PATEL	S. Patil
70	150060111	Akurati Satya Pranav	A. Satya
71	150060112	SRIKAKOLAPU ABHISHEK KUMAR	S. Abhishek
72	160060001	AKULA HRUDAY SAI	A. Hruday Sai
73	160060002	AKURATHI VELANGINI RAJU	V. Raju
74	160060003	ALAMURU KRISHNA PRIYANKA	K. Priyanka
75	160060004	ALLU SANTHOSH REDDY	S. Reddy
76	160060005	AMBULA MADHURI	M. Madhuri
77	160060006	ANAM AKHILA	A. Akhila
78	160060007	ANNA AMARA SRINIVAS	A. Srinivas
79	160060008	ANNÉPU CHINNA RAO	A. Chinna Rao
80	160060009	ANUSHA MERUGU	A. Merugu
81	160060010	ARIKATLA LEELA LEELA KAVINDRA SARMA	L. Sarma
82	160060011	ARYASOMAYAJULA SIRISHA	A. Sirisha
83	160060012	BHATTIPROLU SAI GARGEYA	B. Sai Gargeya
84	160060013	ESWAR REDDY BHIMAVARAPU	E. Bhimavarapu
85	160060014	BONAMSETTI MADHU	B. Madhu
86	160060015	BOYINA KANAKA RAJA ASISH	B. Asish
87	160060016	C AKSHAY KUMAR	C. Akshay Kumar
88	160060017	CHAPPIDI KIRAN MANIKANTA	C. Manikanta
89	160060018	CHARAN TEJA KAMINENI	C. Teja
90	160060019	CHEEDIPUDI SAMYUKTHA REDDY	C. Reddy
91	160060020	CHEKKA LAKSHMI DURGA	C. Durga
92	160060021	CHINTALAPUDI N V M SAI TEJA	C. Sai Teja
93	160060022	CHUKKAPALLI T SAI REVANTH BABA	C. Sai Revanth
94	160060025	DASIREDDY NAGA ABHILASH REDDY	D. Abhilash
95	160060026	DHAKUPATI TARAKA RAMA	D. Taraka Rama
96	160060027	DUDDUKURI SWATHI	D. Swathi
97	160060028	DUNGA CHETAN SRINIVAS RAO	D. Srinivas Rao
98	160060029	G SESHASAI SRIKAR	G. Srikar
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100	160060031	GANDIKOTA SAI NIKHEEL	G. Sai Nikheel
101	160060032	GARLAPATI D V N S L KUMAR	D. V. N. S. L. Kumar

102	160060033	GOLLAPALLI HARSHA NIKHANJ	G. Harsha
103	160060034	GORANTLA KOTESWARA RAO	Koteswara
104	160060036	GRANDHI LAKSHMI NARAYANA	G. Lakshmi Narayana
105	160060037	GUDAVALLI HARISH	Harish
106	160060039	GUDURU GANESH	G. Ganesh
107	160060040	GUMMA MOWNIKA	Mownika
108	160060041	YAMUNA GUNTAMUKKALA	Yamuna In
109	160060042	GURIJALA CHAITANYA	Chaitanya
110	160060043	H HARINATH REDDY	Harinath
111	160060044	INAKOLLU MANOJ KUMAR	Manoj
112	160060045	JANDHYALA SAI SRIVIDYA	Sai
113	160060046	JATHI NAVEEN YADAV	Yadav
114	160060047	JONNALA BHAVYA	Bhavya
115	160060048	KALLA SASI KUMAR REDDY	Kumar
116	160060049	KANIGOLLA YASWANTH SAI	Sai
117	160060050	KAPUGANTI VENKATA KIRAN KUMAR	Kiran Kumar
118	160060052	KARIMULLA BAIG	Karimulla Baig
119	160060053	KARNATI MANOJ KUMAR	AB
120	160060054	KARRI VINAY SUDHEER	K. Vinay Sudheer
121	160060055	KASUKURTHI RAVI KIRAN	K. Ravi Kiran
122	160060056	SWATHI AMMU	S. AMMU
123	160060057	KATURI KEERTHI	Keerti
124	160060058	KOLLI SRISAI SUDHAKAR REDDY	K. Sri Sai Sudhakar
125	160060060	KORABOYINA ANIL KUMAR	Anil Kumar
126	160060061	KOTA LAKSHMI AMRUTHA VARSHINI	K. Lakshmi Amrutha
127	160060062	KOTAPATI SUBHASH REDDY	Subhash
128	160060063	KOTHA PRUDHVI RAJ	Prudhvi Raj
129	160060064	KUCHI SUMANTH	Sumanth
130	160060065	KUPPALA MURALI KRISHNA	Murali
131	160060066	L VARUN CHOWDARY	Varun
132	160060067	Komal Sai Manohar Lanka	Manohar
133	160060068	LOURDHU MARY THUMMA	Las
134	160060069	M S V RAHUL KARTHIK	Karthik
135	160060071	MANIPATRUNI JASVANTH	Jasvanta
136	160060073	MANNAM NIKHITHA	Nikhitha
137	160060074	MARAM BALA BHAGYA SREE	M. Bala Bhagya Sree
138	160060075	MATHI VENKATA RISHIKA	AB
139	160060077	MEDIPALLY SUDAKSHINA	Sudakshina
140	160060078	MOHAMMED ABDUL AHAD	ABDUL
141	160060079	MORUBOINA PRAVALLIKA	Pravallika
142	160060080	MUKTINENI BHARGAV SAI	Bhargav Sai
143	160060081	MULA JAGADEESWARA REDDY	Mula Men
144	160060082	MULLAPUDI NITIN VISWANATH	Nitin
145	160060083	MUSKULA CHAKRADHAR REDDY	Chakradhar Reddy
146	160060084	NAMBURI CHANDU SRINIVASA MANIKANTHA SURYA	AB
147	160060085	NUTHANAPATI LIKITHA	N. Likitha
148	160060086	ORUGANTI SAI THARUN	Tharun
149	160060087	P GANESH	Ganesh
150	160060088	PADIDADAKALA ANIL KUMAR	An
151	160060089	PAIDIPATI POORNA ANJANA KUMARI	Anjana
152	160060090	PALLA NARASIMHA MURTHY	Narasimha
153	160060091	PAMIDIMUKKULA DHARANI	P. Dharaani



154	160060092	PANGI SRAVYA	P. Sravya
155	160060093	PATAN NOORSHIBA	P. Noorshiba
156	160060094	PATHAN SHABNAM	Pathan Shabnam
157	160060096	PEDDISSETY SARATH NAGA SAI RAM	Sai Ram
158	160060097	PENMATSA SWATHI	P. Swathi
159	160060098	PINNINTI ARCHANA	Archana
160	160060099	POCHANA LOKESWAR REDDY	Lokeswar
161	160060102	POLISSETTI NIKHIL	Nikhil
162	160060103	PUGGALA VISWA TEJA	Viswa
163	160060104	PULAKHANDAM ADITHYA SESHA SAI KRISHNA	P. Adithya Sesa Sai Krishna
164	160060106	PUNYAMURTHULA VENKATA SRI SIVANI	P. Venkata Sri Sivani
165	160060108	RAYAPEDDI NARASIMHA PHANIDHAR SAI ANIRUDH	R. N. Phanidhar Sai Anirudh
166	160060109	REDDY MADHAVI	Madhavi
167	160060110	REDDY SAI CHANDAN	Chandan
168	160060111	RELANGI BHARGAVI VENKATA RAMYA	R. Venkata Ramya
169	160060112	RESU GOWTHAM SAI	R. Gowtham Sai
170	160060113	SADAY BOLEM	S. Bolem
171	160060114	SAKETI SHIVAKUMAR	S. Shivakumar
172	160060115	SANAKAYALA NAVEEN	Naveen
173	160060116	SASI SREE PHANEEDRA ELURU	S. Sree Phaneendra
174	160060117	SHAIK JANI BASHA	S. Basha
175	160060119	SONTI VASAVIDUTT	S. Vasavidutt
176	160060120	SURYADEVARA KIRAN PRIYA	S. Kiran Priya
177	14006133	MOHIT KONGAT NAIR	Mohit Nair
178	14006134	KOLLI HARSHA BALA VARDHAN	K. Harsha Bala Vardhan
179	150060001	ADDEPALLI SAI PRIYANKA	A. Sai Priyanka
180	150060002	AKKALA RATAN RAKESH	A. Ratan Rakesh
181	150060003	AKULA ANUDEEP	A. Anudeep
182	150060004	AKURI GURAVA REDDY	A. Gurava Reddy
183	150060006	ANNAPAREDDY CHANDRASEKHAR REDDY	A. Chandrasekhara Reddy
184	150060007	ARAVAPALLY VIKAS	A. Vikas
185	150060008	ASHISH KUMAR	A. Ashish Kumar
186	150060009	ASHWANI	A. Ashwani
187	150060010	AVULA SHASHIDHAR	A. Shashidhar
188	150060011	AVVARU JAI VASANTHA SAI KRISHNA	A. Jai Vasantha Sai Krishna
189	150060012	BACCHU VENKATA RAMANA	B. Venkata Ramana
190	150060013	BADE SITA RAMANJANEYULU	B. Ramanjaneyulu
191	150060014	BADE VENKATA SRINIVAS	B. Venkata Srinivas
192	150060015	BANDAPU RAMYA SRI	B. Ramya Sri
193	150060016	BEEREDDY VENU GOPAL REDDY	B. Venu Gopal Reddy
194	150060017	BHAGEERATH CHOUDHARY	B. Choudhary
195	150060018	BHIMIREDDY NAGARJUNA REDDY	B. Nagarjuna Reddy
196	150060019	BHUMA RAMAKRISHNA	B. Ramakrishna
197	150060021	CHALLA SAI CHARAN REDDY	Ch. Sai Charan Reddy
198	150060022	CHALLAGUNDLA SAI RAM	Ch. Sai Ram
199	150060023	CHAVALI SREE KRISHNA KANTH	Ch. Krishna Kanth
200	150060024	DASARI NAGA SAI	D. Naga Sai
201	150060025	DASIREDDY MADHU	D. Madhu
202	150060027	DHANEKULA VALLISA DATTA	D. Vallisa Datta
203	150060028	GADE JAGADISH VENKATA MOHAN GUPTHA	G. Jagadish Venkata Mohan Gupta
204	150060029	GUBBA SRIVISWANADH	G. Sriviswanadh
205	150060030	GUNTURI SRI KRISHNA SANKALP	G. Sri Krishna Sankalp

206	150060031	SUKHAVASI HARI CHANDAN	A Chandan.
207	150060032	HARSHIT SINGHA	Harshit
208	150060034	JANGALA NAGENDRA KUMAR	J. Nagendra
209	150060035	JUPUDI VENKATA SAI KRISHNA	J. Venkata Sai Krishna
210	150060036	K HARIHARA KUMAR	K. Harihar Kumar
211	150060038	KANCHARLA HARINATHA REDDY	Harinatha Reddy
212	150060039	KANKANALA HARITHA	K. Haritha
213	150060040	KANUKOLANU NAVEEN	K. Naveen
214	150060041	KAPPETA SUDHARSHAN REDDY	K. Sudharshan Reddy
215	150060042	KATTAMANCHI BINDU	Bindu
216	150060043	KAVURI KRISHNA SAI	K. Krishna Sai
217	150060044	KOMMU NAGA VENKATA KRISHNA SREEKAR	K. Naga Venkata Krishna Sreekar
218	150060045	KONDESETTI RAMESH BABU	Ramesh Babu
219	150060046	KORAMPALLI GOPALAKRISHNA	K. Gopalakrishna
220	150060047	KOTHULA KARTHIK	Karthik
221	150060048	KUNDURTHI SUNITHA	Sunitha
222	150060049	KURAGANTI DHANYA ARADHANA	Dhanya Aradhana
223	150060050	M VASUDHA	Vasudha
224	150060051	MADDINENI PRAVEEN KUMAR	Praveen Kumar
225	150060052	MADIMI AKHIL	Akhil
226	150060053	MAKKENA SASI KUMAR	Sasi Kumar

H. Chandan  
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(Dr. O. Chandrashekar)

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