



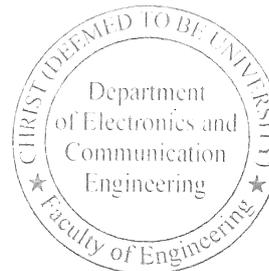
Faculty Of Engineering
Department of Electronics & Communication Engineering

REPORT ON DEPARTMENT EVENTS

Academic year & Semester	2018-19, Even Semester	
Name of the Department	Electronics and Communication Engineering	
PoC Faculty Member for clarifications (write email ID & mobile number for contact)	Prof. Vivek	
Details of the Event		
Name of Event	Technical Talk on Battery management System	
Description of the Event (seminar/workshop/guest lecture/hands on practice/Industrial Visit)	Guest Lecture	
Address & contact details of Resource Persons/Speakers if any (provide email ID & mobile number of all the speakers)	Dr.Praja Prabakaran, Tech Lead - L& T Services	
No. of Days event held	One	
Date(s) and Duration	Date: 16 Feb 2018	Time: 10:00 to 12:00
Any amount spent for the event ?	Nil	
Details of participants attended the event		
Number of guests from outside university	Nil	
Students & faculty members from the department	150	
Students & faculty members from Faculty of Engineering (other depts.)	Nil	
Total Participants	150	
Is Attendance list enclosed? If no, specify the reason	Compulsory for all students in the department	



Prepared by





Approved by

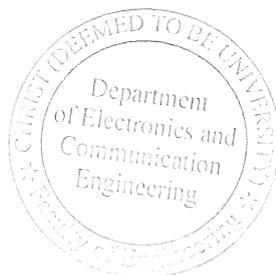
Technical Talk on Battery Management System (BMS)

Summary

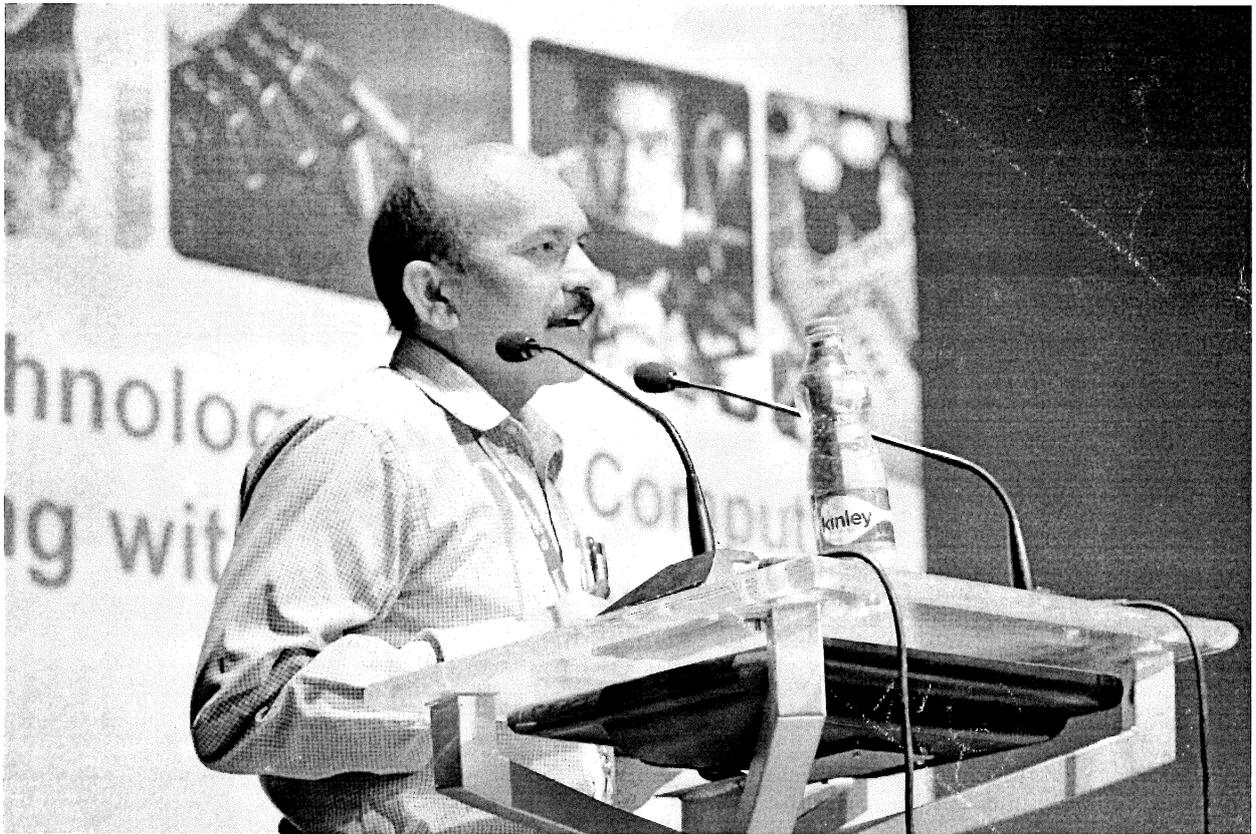
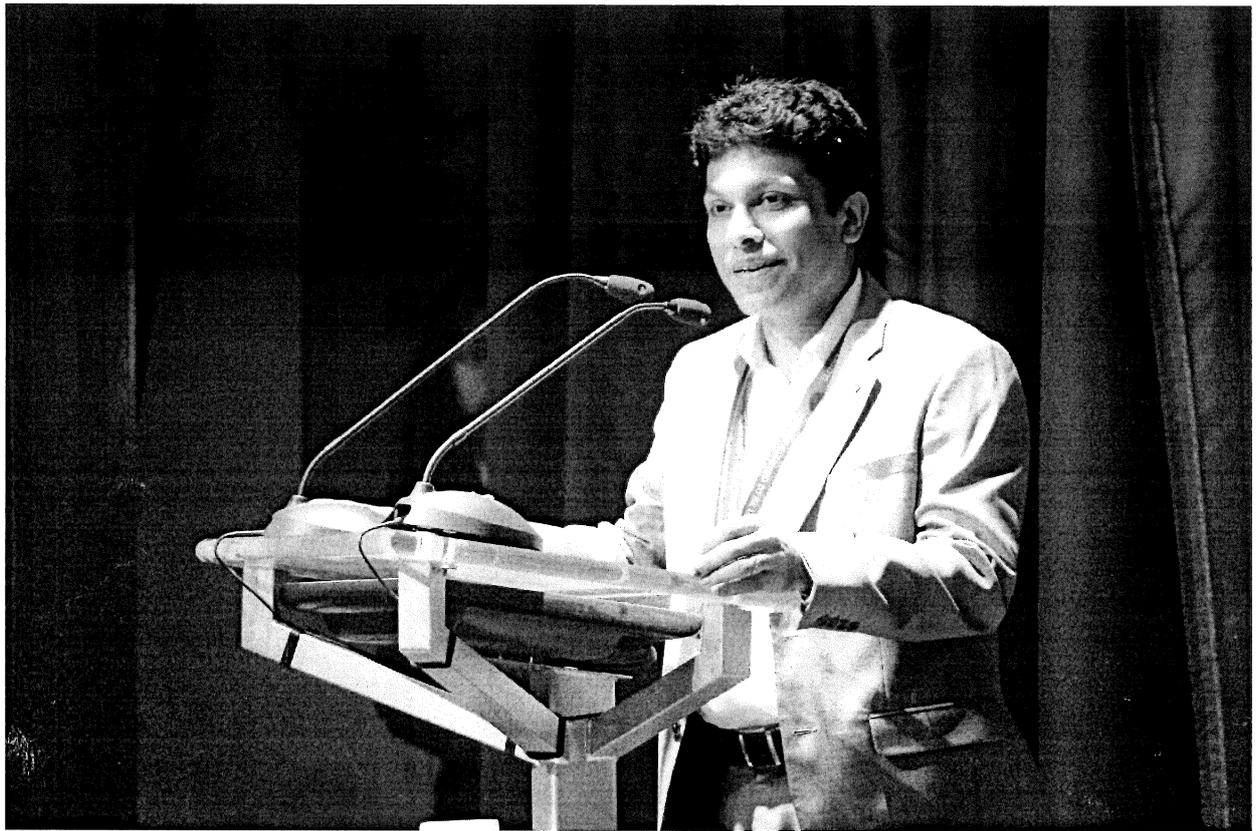
When we think energy, we almost invariably think of electrical energy. The electricity grid is a complex system that requires constant adjustments to suit usage and demand patterns. The grid's operability is also subject to internal and external factors such as equipment overloads and erratic weather conditions and energy storage devices. These systems are essential in keeping up this balancing act between availability and demand of energy. As the need for increased battery capacity and lifespan continues to grow, creating a reliable and robust battery management system (BMS) is arguably the biggest challenge facing developing battery technology. Dr. Praja Prabakaran, Tech Lead - L& T Services was the guest speaker, and started his talk with how to extend the life of battery packs and usage of battery management systems to maintain storage capacity, all the while ensuring batteries to run within safe conditions. He spoke about Li-ion batteries and its management. He also explained the major functionalities of Battery Management Systems. Battery Management Systems are the brains behind battery packs. They manage the output, charging and discharging and provide notifications on the status of the battery pack. They also provide critical safeguards to protect the batteries from damage. He extended his talk with an interaction with the students that how to choose an appropriate model for a given application. Mr. Prabakaran spoke about the factors that influence battery performance and required protection schemes.

By the end of the session, Mr. Prabakaran created an awareness on Battery Management System.

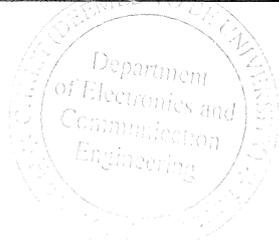

Prepared by



Approved by



Ravi



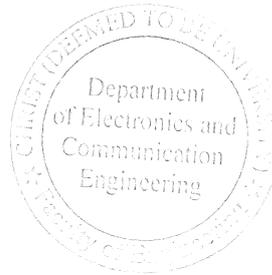
He is also a senior member of IEEE.

Dr. A Narendranath Udupa graduated from Malnad College of Engineering Hassan in the year 1985. He obtained his Masters from Dept of Electrical Engineering, Indian Institute of Science, Bengaluru in the year 1991. He was awarded the PhD from Indian Institute of Science, Bengaluru, for his work "On Development of Intelligent Tools for Applications in Energy Control Center" in the year 1998. He was a faculty member in the Dept of EE, MCE Hassan till 2001. Udupa has 15 years of teaching experience in academics and 17 years of experience in Industrial Research.



*Emerging
needs in
signal
processing*

Rai



Resource Person: Dr. Manjunath Ramachandra

Title: Emerging trends in signal processing and AI

Scheduled: 9.30 am to 11.00 am, Block 1 Audi.

Short Profile

Dr. Manjunath Ramachandra is working as Principal consultant at the CIO office of Wipro. He has a blend of academic and industry experience over two decades. He has filed about 50 patents, authored 180 Research papers in international conferences and journals and a book. He was a member of embedded systems special interest group at NASSCOM and advisor for Consumer lifestyle and Healthcare subcommittees. He represented the industry in international standardization bodies such as Wi-Fi Alliance, served as the editor for the regional profiles standard in Digital living network alliance (DLNA) and as the industry liaison officer for the CE-Linux Forum. He is serving in the advisory board of a couple of deemed to be universities and engineering colleges. He is guiding about 6 PhD scholars from 4 universities across India. He figures in Marquis Who's Who 2008 & "2000 outstanding intellectuals of the 21st century", International Biographical Center, UK

Resource Person: Prof. Chandrakant Singh

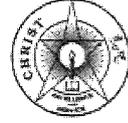
Title: E Vehicles and theory

Scheduled: 11.00 am – 12.00pm

Mr. Chandrakant Singh is an IIT Bombay alumnus, a technocrat having more than 16.5 years of R&D, Strategy, Leadership, business development, entrepreneurship and Teaching Experience. Has worked with Market leaders like TATA STEEL, BOSCH, General Motors, and Pearson etc. Mr. Singh is a co-founder of Innovative Suntech Pvt. Ltd. and StartupHuts. As a social entrepreneur, he has Co-founded Chaitanya Gurukul Trust (CGT) in 2008 with a vision of "Jnanam Paramodhyeyam": meaning knowledge is the ultimate aim. His Mission is to provide quality education to all. Presently CGT is running one school called Gurukul Trust Public School and has planned to open Technical College and R&D Center as well. Students of his school are connected globally for example with Dr. Don Thomas, 4 times NASA shuttle astronaut. Work of Chaitanya Gurukul has been appreciated globally and reported in global media and World Bank. Mr. Singh was nominated for Amazing Indians by TIMESNOW in the category of Educators of India. This school name has been mentioned in Limca Book of record in the year 2012. He has received prestigious Young Alum Achievers Award 2012 from IIT Bombay.

PS





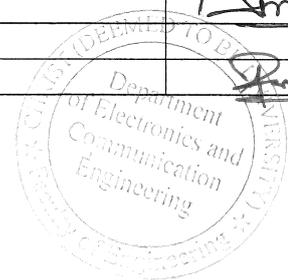
CHRIST
(DEEMED TO BE UNIVERSITY)
BANGALORE · INDIA

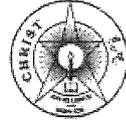
Technical Talk- Battery Management Systems

Date: 16 Feb 2019

Attendance List

SL No	Register Number	Name	Signature
1	1660114	SOWMYA SREENIVASAN	
2	1660370	RUDRAKSH MISHRA	
3	1660486	R ARJUN	
4	1660601	AJAY RAMAKRISHNA MENON	
5	1660603	BRAHM DEV TIWARI	
6	1660606	ISAC S KULAKUDY	
7	1660607	K ABISHEK CHANDRAN	
8	1660608	K KARTHIK	
9	1660610	LOURDHU AKHIL KANNA	
10	1660611	M SIBI MANUSH	
11	1660612	MANIK RAJ	
12	1660613	MICHENAMETLA MEGHA SHYAM	
13	1660614	MINTO MATHEW K J	
14	1660615	PRITHVI RAJ MACHA	
15	1660617	REEVE IGNATIUS SAVIO LOBO	
16	1660621	STEVE STEPHEN PONISAKE	
17	1660622	ANGELA ANISHA	
18	1660623	ANJANA K S	
19	1660624	CLARINE RENIE DELILAH J	
20	1660625	JUSTEENA THOMAS	
21	1660627	NIKITA NAYAR	
22	1660629	POOJITHA.M	
23	1660632	ROSE ANTONY	
24	1660633	RUTH SANDRA H	
25	1660634	Y.CHAITRI GOVARDHANA RAO	
26	1660636	KARTHIK E	
27	1660637	ROSHIN CHERIAN	
28	1660640	FARHEEN ZUBAIR	
29	1660641	DHRUPAD U	
30	1660642	GEORGE F VADAKUMCHERY	
31	1660643	VIGNESH N H	
32	1660644	SHAARU D A	
33	1660645	YALLAREDDYGARI MANOJKUMAR REDDY	
34	1660646	VAIBHAV P THOMAS	
35	1660647	P AMAR	
36	1660648	SANGEERTH VINOD	
37	1660649	PRIYANKA BISWAS	

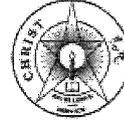




CHRIST
(DEEMED TO BE UNIVERSITY)
BANGALORE · INDIA

38	1660650	ASHISH PRIYADERSHY	
39	1660651	NANDITA NAIR	
40	1660652	MALLAVAJJALA SIDDARTHA ATHREYA	
41	1660653	JERRIPOTHULA SAIJEETH	
42	1660654	MAYOOGH GIRISH	
43	1660655	UTSAV DIHINGIA	
44	1660656	PROTTUSH DUTTA	
45	1661014	ATHINA ANN THOMAS	
46	1760308	ALWIN C VARGHESE	
47	1760453	MEKA KUMAR VIGNESWAR REDDY	
48	1760601	ABIN CHALSON	
49	1760603	ALDRIN LOUIS FIGURADO	
50	1760604	ANISH T CYRIAC	
51	1760605	ARVIND R	
52	1760606	ASHISH G NAIR	
54	1760607	B RISHITH RAO	
55	1760608	BENSON THOMAS	
56	1760613	MACHERLA PRAJWAL	
57	1760614	MANDLE SANDEEP REDDY	
58	1760615	MOPURI AKHIL KUMAR REDDDY	
59	1760618	RAKUL A V	
60	1760622	ANAKHA ELIZABATH GEORGE	
61	1760623	ANITA JOSE	
62	1760625	KELLY MARTIN	
63	1760627	ROSE RAJAN	
64	1760628	SAI RAKSHITHA	
65	1760630	SWETHA SUNITH	
66	1760631	G R BHARATH	
67	1760632	NIKITA ELIZABETH JOSEPH	
68	1760633	JONNALA VENKATA VISHNU	
69	1760634	KOVVURU HEMANTH CHARAN REDDY	
70	1760636	PEDDAKOTLA SANJAYDATTA	
71	1760637	POTU HARSHIT	
72	1760639	KUSUMA B	
73	1760640	MARIYA SNEHA	
74	1760642	MOGALLURI SRIKANTH	
75	1760643	NANDIMANDALAM NAGENDRA SAI	
76	1760644	CHRISTINA T J	
77	1760645	GUNDLAMADUGU MADHUKIRAN	
78	1760646	LOMADA SAI PRASAD REDDY	
79	1760647	KANEKAL NUZHATH SAMREEN	
80	1760648	VEDIKA VINITHA RAJ	
81	1760649	ABHISHEK KUMAR	
82	1760651	AMAL J DEV	

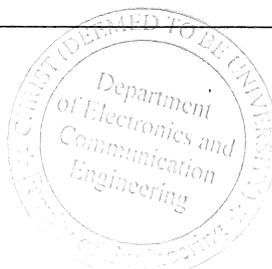


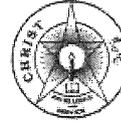


CHRIST
(DEEMED TO BE UNIVERSITY)
BANGALORE · INDIA

83	1760652	ARCHIT THAKURGOTA	<i>Amr</i>
84	1760654	CHITTIPROLU AAKANKSH	<i>Amr</i>
85	1760655	KETHIREDDY ROHITH KUMAR REDDY	<i>Rohith</i>
86	1760656	POLAKALA DINESH REDDY	<i>Dinesh</i>
87	1760659	A.HARIRAJ	<i>Hariraj</i>
88	1760660	JAYAM LIKITHA	<i>Likitha</i>
89	1760661	ANNAVAJALA ABHIRAM SAI	<i>Abhiram</i>
90	1760662	ANTONY JOSEPH T	
91	1760663	MOHD ZAID	<i>Zaid</i>
92	1760664	NARAYANA PADMANABHAM TEJA GANESH	<i>Teja</i>
93	1760670	AJAY S	<i>Ajay</i>
94	1760602	AKHIL M VARKEY	<i>Akhil</i>
95	1760609	DEEPAK KANNAN	<i>Deepak</i>
96	1760610	DION VARGHESE PRAVEEN	<i>Praveen</i>
97	1760619	RONIE MARIA MARCELO S	
98	1760621	A S DEVI DHARSHINI	<i>Ashwini</i>
99	1760629	SUMI SEK HAR	
100	1760650	AKHIL BENNY	<i>Benny</i>
101	1760653	BASAPPA JAMPAPURAM RAJITH	
102	1760673	ANTHAPU UMA DEVI	<i>Uma</i>
103	1760617	POLAMARASETTY SUSHMANTH	
104	1760620	SHASHANK RAWAT	<i>Shashank</i>
105	1660601	AJAY RAMAKRISHNA MENON	<i>Ajay</i>
106	1760652	ARCHIT THAKURGOTA	<i>Amr</i>
107	1560132	SREESHMA	<i>Sreeshma</i>
108	1560323	FUNGAMALI PONDAMALI DIEUDONNE	
109	1560365	DEEPANNITA DUTTA	<i>Deepa</i>
110	1560391	MOURYA GUPTA VAKACHARLA	
111	1560443	SHREY H SHAH	<i>Shrey</i>
112	1560503	BHUPALAM MOHITH SUBBARAYUDU	<i>BMS</i>
113	1560505	CHILUKURI VISHAL REDDY	
114	1560509	JOSEPH KURIAN	<i>Joseph</i>
115	1560513	SANJITH M GOWDA	
116	1560515	VAIBHAV SINGH	<i>Vaibhav</i>
117	1560517	ANJU SOMAN T	<i>Anju</i>
118	1560519	KALAVAGUNTA SAI CHARITHA	
119	1560521	RAMYA. K.	<i>Ramyak</i>
120	1560522	RUTH RUFINA S	<i>Ruth</i>
121	1560527	G SAI ARYA DIKSHITH VISHWAJITH	
123	1560528	DILIP R	<i>Dilip</i>
124	1560529	K V ADVAITHA	
125	1560530	JAYASUDHA R	<i>Jayasudha</i>
126	1560532	SONA.M	<i>Sona</i>
127	1560534	JASHWANTHI V	<i>Jashwanti</i>

Rvi

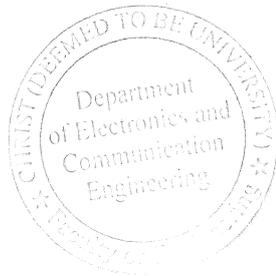




CHRIST
(DEEMED TO BE UNIVERSITY)
BANGALORE · INDIA

128	1560535	PUSHPALATHA B V	<i>Pmpe</i>
129	1560537	DHIRAJ KUMAR MAHATO	<i>Dm</i>
130	1560538	ANUSHA V REDDY	<i>Anu</i>
131	1560539	RAJESH KUMAR K R	<i>Rajesh</i>
132	1560542	ERIC JOHN JOSE	<i>Eric</i>
133	1560543	RIORDAN MELCHIOR AROZA	<i>Riordan</i>
134	1560544	BHARATH KUMAR N G	<i>Bharath</i>
135	1560547	ANUSH H P	<i>Anush</i>
136	1560550	SHREYA JAYACHANDRAN NAIR	<i>Shreya</i>
137	1560551	PASUPULETI KAILASH RAM	<i>Kailash</i>
138	1560552	REENA D	<i>Reena</i>
139	1560553	ASHLY MATHEW P	<i>Ashly</i>
140	1560557	ADITHYA NAGA SAI TIRUMANISETTI	<i>Adithya</i>
141	1560559	SAYANTAN SAHA	<i>Sayantan</i>
142	1560560	SHAIWI SAHAY	<i>Shaiwi</i>
143	1560563	ABHIJIT CHAKRABORTY	<i>Abhijit</i>
144	1560564	ADITYA KUMAR	<i>Aditya</i>
145	1560702	CHRISTY STANISLAUS	<i>Christy</i>
146	1560710	AYESHA	<i>Ayesha</i>
147	1560711	RAVEENA JOKIM CRASTHA	<i>Raveena</i>
148	1560944	DANIEL ANUSH V	<i>Daniel</i>
149	1561104	CHEEMALAPATI JAYADEEP REDDY	<i>Cheemalapati</i>
150	1561319	C P ADARSH	<i>Adarsh</i>

Q/A



Dept. of Electronics & Communication Engineering

Presents



CHRIST
DEEMED TO BE UNIVERSITY
BANGALORE · INDIA

Technical Talk on

Battery Management System

Time

10 am - 12 pm

Venue

Block-I auditorium
FoE, CHRIST

Speaker

Dr. Praja Prabhakaran

Tech-lead, L&T services



About the speaker



Senior Engineer at L&T Technology Services Limited
L&T Technology Services Limited
Mysore, Karnataka, India

- IT professional with 6+ years of experience in Software Testing.
- Adequate knowledge in Manual Testing, experience using Defect management tool (Bugzilla, & JIRA).
- Experience in generating Bug reports and Test summary reports.
- Experienced in preparing test scenarios, test cases, test summary report, defect dashboard, test metrics and activity log.
- Experienced in various types of testing like Functional, Black box, System Integration (SIT) and Regression, Sanity Testing.
- Exposure in managing defect life-cycle including defect creation, defect tracking, root cause analysis of the defects and coordinating with development team for fixing defects.
- Active participation in Technical Training and Knowledge Transfers.
- Good understanding of Software Development Life Cycle (SDLC) & Software Testing Life Cycle (STLC)

