



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	Workshop on Wireless Sensor and IoT	
Description of the Event (seminar/workshop/guest lecture/hands on practice/Industrial Visit)	Workshop	
Address & contact details of Resource Persons/Speakers if any (provide email ID & mobile number of all the speakers)	Organized Institutional Level.	
No. of Days event held	One	
Date(s) and Duration	Date: 06 Mar 2018	Time: 9:00 am to 4:00 pm
Any amount spent for the event ?	Yes. NFA prepared.	
Details of participants attended the event		
Number of guests from outside university	Institutional Level	
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	Mandatory for ECE department Students.	


Prepared by



Approved by



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Faculty of Engineering

Department of Electronics & Communication Engineering

Report on the Workshop on “Wireless Sensor Networks & Internet of things”

A workshop was conducted in association with Wisense Technologies Private Limited on “Wireless Sensor Networks & Internet of things” on 06-03-2019 at Room No.230, 2nd Block, Christ (Deemed to be University) – Kengeri Campus, for the 8th semester students of ECE department. This workshop satisfies the requirement of the curriculum of the B.Tech – 8th semester of ECE. Following is the report on the workshop:

Schedule:

10.00 am: Inauguration

10.15 am: Session 1 – Theory of Wireless Sensor Networks

11.00 am: Tea Break

11.15 am: Session 1 (Continued) – Introduction to Internet of Things

1.00 pm: Lunch Break

1.30 pm: Session 2 – Hands on Training on Wisense Wireless Sensor Nodes – Interfacing with Internet

3.00 pm: Tea Break

3.15 pm: Session 2 (Contd.) – Hands on Training on Wisense Wireless Sensor Nodes – Intra-network communications.

4.30 pm: End of Workshop

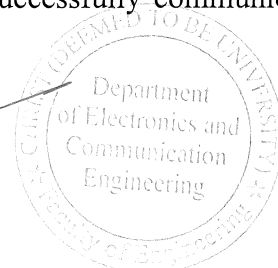
Session 1 – Theory of Wireless Sensor Networks:

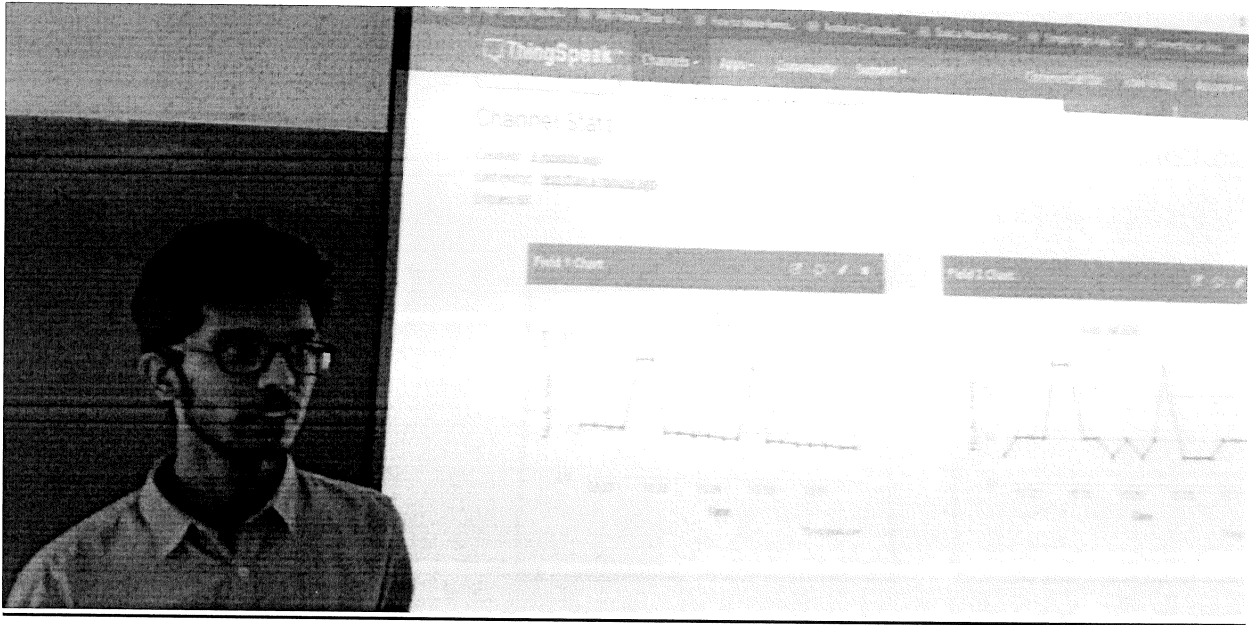
After the Inauguration, the Resource Person Mr. Ashok talked about the fundamentals of Wireless Sensor Nodes and Networks. Mr. Ashok was accompanied by their Operations Head, Mr. Manoj Mandanna. He also explained the components of WSN and the protocols used for intra-network communications, and the differences between Reduced Functionality Devices (RFDs) and Full Functionality Devices (FFDs). He justified the use of MSP430 Microcontroller in Wisense Sensor Nodes, as it consumes low power, and work in different sleep modes. He also explained about different ISM band frequencies used in WSN networks.

Session 2 - Hands on Training on Wisense Wireless Sensor Nodes – Interfacing with Internet:

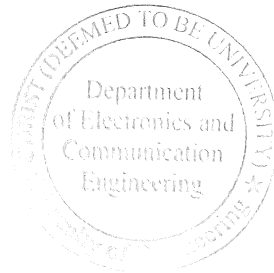
Four batches of students were formed, each comprising of 5 students. Each of the batch was given a Wisense Node. All the nodes were assigned an IP address each, and were connected to the internet through Wi-Fi. One batch of students was able to successfully communicate with

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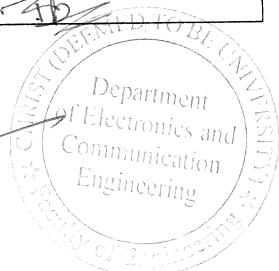
Workshop- Wireless Sensor and IoT

Date: 06 Mar 2019

Attendance List

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

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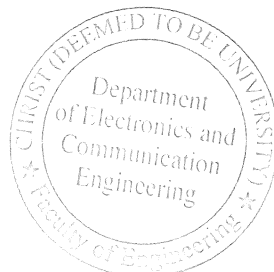




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38	1660650	ASHISH PRIYADERSHY	<i>Ashish</i>
39	1660651	NANDITA NAIR	<i>Nandita</i>
40	1660652	MALLAVAJJALA SIDDARTHA ATHREYA	<i>Mallavajjala</i>
41	1660653	JERRIPOTHULA SAIJEETH	<i>J. Saijeeth</i>
42	1660654	MAYOOGH GIRISH	<i>Mayoogh</i>
43	1660655	UTSAV DIHINGIA	<i>Utsav</i>
44	1660656	PROTTUSH DUTTA	<i>Prottush</i>
45	1661014	ATHINA ANN THOMAS	<i>Athina</i>
46	1760308	ALWIN C VARGHESE	<i>Alwin C</i>
47	1760453	MEKA KUMAR VIGNESWAR REDDY	<i>Meka</i>
48	1760601	ABIN CHALSON	<i>Abin</i>
49	1760603	ALDRIN LOUIS FIGURADO	<i>Aldrin</i>
50	1760604	ANISH T CYRIAC	<i>Anish</i>
51	1760605	ARVIND R	<i>Arvind</i>
52	1760606	ASHISH G NAIR	<i>Ashish</i>
54	1760607	B RISHITH RAO	<i>B Rishith</i>
55	1760608	BENSON THOMAS	<i>Benson</i>
56	1760613	MACHERLA PRAJWAL	<i>Macherla</i>
57	1760614	MANDLE SANDEEP REDDY	<i>Mandle</i>
58	1760615	MOPURI AKHIL KUMAR REDDDY	<i>Mopuri</i>
59	1760618	RAKUL A V	<i>Rakul</i>
60	1760622	ANAKHA ELIZABATH GEORGE	<i>Anakha</i>
61	1760623	ANITA JOSE	<i>Anita</i>
62	1760625	KELLY MARTIN	<i>Kelly</i>
63	1760627	ROSE RAJAN	<i>Rose</i>
64	1760628	SAI RAKSHITHA	<i>Sai</i>
65	1760630	SWETHA SUNITH	<i>Swetha</i>
66	1760631	G R BHARATH	<i>G R</i>
67	1760632	NIKITA ELIZABETH JOSEPH	<i>Nikita</i>
68	1760633	JONNALA VENKATA VISHNU	<i>Jonjala</i>
69	1760634	KOVVURU HEMANTH CHARAN REDDY	<i>Kovvuru</i>
70	1760636	PEDDAKOTLA SANJAYDATTA	<i>Peddakotla</i>
71	1760637	POTU HARSHIT	<i>Potu</i>
72	1760639	KUSUMA B	<i>Kusuma</i>
73	1760640	MARIYA SNEHA	<i>Mariya</i>
74	1760642	MOGALLURI SRIKANTH	<i>Mogalluri</i>
75	1760643	NANDIMANDALAM NAGENDRA SAI	<i>Nandimandalam</i>
76	1760644	CHRISTINA T .J	<i>Christina</i>
77	1760645	GUNDLAMADUGU MADHUKIRAN	<i>Gundlamadugu</i>
78	1760646	LOMADA SAI PRASAD REDDY	<i>Lomada</i>
79	1760647	KANEKAL NUZHATH SAMREEN	<i>Kaneikal</i>
80	1760648	VEDIKA VINITHA RAJ	<i>Vedika</i>
81	1760649	ABHISHEK KUMAR	<i>Abhishek</i>
82	1760651	AMAL J DEV	<i>Amal</i>

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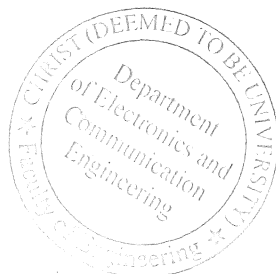




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83	1760652	ARCHIT THAKURGOTA	<i>Archit</i>
84	1760654	CHITTIPROLU AAKANKSH	<i>Chittip</i>
85	1760655	KETHIREDDY ROHITH KUMAR REDDY	<i>Rohith</i>
86	1760656	POLAKALA DINESH REDDY	<i>D. Dinesh</i>
87	1760659	A.HARIRAJ	<i>Hariraj</i>
88	1760660	JAYAM LIKITHA	<i>Likitha</i>
89	1760661	ANNAVAJALA ABHIRAM SAI	<i>Abhiram</i>
90	1760662	ANTONY JOSEPH T	<i>Antony</i>
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>Dion</i>
97	1760619	RONIE MARIA MARCELO S	<i>Ronie</i>
98	1760621	A S DEVI DHARSHINI	<i>A S Devi</i>
99	1760629	SUMI SEK HAR	<i>Sumi</i>
100	1760650	AKHIL BENNY	<i>Akhil</i>
101	1760653	BASAPPA JAMPAPURAM RAJITH	<i>Rajith</i>
102	1760673	ANTHAPU UMA DEVI	<i>Anthapu</i>
103	1760617	POLAMARASETTY SUSHMANTH	<i>Sushmanth</i>
104	1760620	SHASHANK RAWAT	<i>Shashank</i>
105	1660601	AJAY RAMAKRISHNA MENON	
106	1760652	ARCHIT THAKURGOTA	
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>Mohith</i>
113	1560505	CHILUKURI VISHAL REDDY	<i>Vishal</i>
114	1560509	JOSEPH KURIAN	
115	1560513	SANJITH M GOWDA	<i>Sanjith</i>
116	1560515	VAIBHAV SINGH	<i>Vaibhav</i>
117	1560517	ANJU SOMAN T	<i>Anju</i>
118	1560519	KALAVAGUNTA SAI CHARITHA	<i>Charitha</i>
119	1560521	RAMYA. K.	<i>Ramya</i>
120	1560522	RUTH RUFINA S	<i>Ruth</i>
121	1560527	G SAI ARYA DIKSHITH VISHWAJITH	<i>G Sai Arya</i>
123	1560528	DILIP R	<i>Dilip</i>
124	1560529	K V ADVAITHA	<i>K V Advaita</i>
125	1560530	JAYASUDHA R	<i>Jayasudha</i>
126	1560532	SONA.M	<i>Sona</i>

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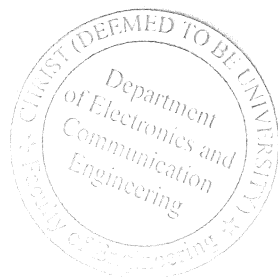




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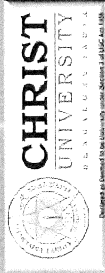
127	1560534	JASHWANTHI V	Jash
128	1560535	PUSHPALATHA B V	Pushpa
129	1560537	DHIRAJ KUMAR MAHATO	Dhiraj
130	1560538	ANUSHA V REDDY	AVR
131	1560539	RAJESH KUMAR K R	Rajesh
132	1560542	ERIC JOHN JOSE	Eric
133	1560543	RIORDAN MELCHIOR AROZA	Riordan
134	1560544	BHARATH KUMAR N G	Bharath
135	1560547	ANUSH H P	Anush
136	1560550	SHREYA JAYACHANDRAN NAIR	Shreya
137	1560551	PASUPULETI KAILASH RAM	Pasupuleti
138	1560552	REENA D	Reena
139	1560553	ASHLY MATHEW P	Ashly
140	1560557	ADITHYA NAGA SAI TIRUMANISETTI	Adithya
141	1560559	SAYANTAN SAHA	Sayantana
142	1560560	SHAIVI SAHAY	Shaivi
143	1560563	ABHIJIT CHAKRABORTY	Abhijit
144	1560564	ADITYA KUMAR	Aditya
145	1560702	CHRISTY STANISLAUS	Christy
146	1560710	AYESHA	Ayesha
147	1560711	RAVEENA JOKIM CRASTHA	Raveena
148	1560944	DANIEL ANUSH V	Daniel
149	1561104	CHEEMALAPATI JAYADEEP REDDY	Cheemalapati
150	1561319	C P ADARSH	CP

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INTERNET
OF THINGS



WORKSHOP ON

WIRELESS SENSOR NETWORKS & IOT

6TH MARCH 2018
Time: 9 am – 4 pm

Organised by

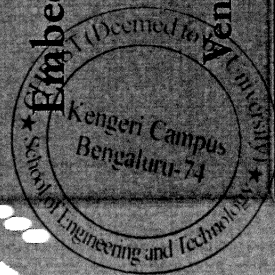
Dept. of ECE

Faculty of Engineering, CHRIST University

Speaker

Mr. Ashok R,

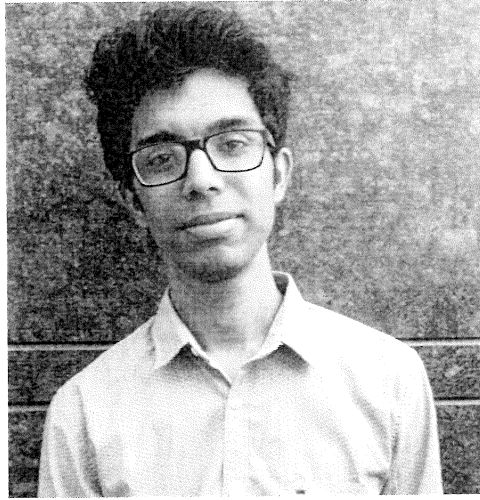
Embedded Engineer, WiSense Technologies, Bangalore



A handwritten signature in black ink, likely belonging to the speaker or an organizer.

Venue: Room No. 230, FoE, CHRIST- Kengeri Campus

About the speaker



Mr. Ashok,
Application Engineer,
Wisense Technologies, Bangalore

Ashok serving as Application Engineer at Wisense Technologies, Bangalore. WiSense Technologies is a Bengaluru (India) based start up offering solutions in areas of IoT (Internet of Things) and M2M (Machine to Machine communications). He is into wireless sensing / monitoring solutions (low cost / low power / low bandwidth) - Mesh Network to customers in Textile, Solar, Agriculture Industrial and Home Automation space. How it works: The data sensed (e.g. Luminosity, Temperature, Moisture, Motion, Humidity, Voltage etc.) is recognized by the WiSense Wireless Sensor Node and transmits it through the WiSense Mesh Network to the Gateway. His expertise in WiFi based Sensors. From the Gateway the information can be consumed by your in-house systems or can be made available on the cloud / internet and access it from anywhere. WiSense offers WiSight - a web based analytic solution for monitoring and controlling the sensor data and wireless mesh network.

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