CHRIST
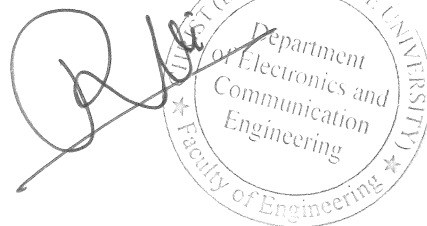BANGALORE · INDIA

Faculty Of Engineering
Department of Electronics & Communication Engineering

REPORT ON DEPARTMENT EVENTS

Academic year & Semester	2019, ODD
Name of the Department	ECE
PoC Faculty Member for clarifications (write email ID & mobile number for contact)	Prof. Delson T R delson.tr@christuniversity.in 7760327703
Details of the Event	
Name of Event	**Wiznet IoT – LoRA**
Description of the Event (seminar/workshop/guest lecture/hands on practice/Industrial Visit)	Workshop – Industry Oriented
Address & contact details of Resource Persons/Speakers if any (provide email ID & mobile number of all the speakers)	**Wiznet and CDI, IOC Venture**
No. of Days event held	**Two**
Date(s) and Duration	Date: 25 & 26 Aug 2019 — Time: 9:00 am to 4:00 pm
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	**55**
Students & faculty members from Faculty of Engineering (other depts.)	-
Total Participants	55
Is Attendance list enclosed? If no, specify the reason	**Yes**

3. Wiznet IoT – LoRA

Report

Dated: 25 and 26 August 2019

Schedule

25 Aug 2019 – Introduction to Wiznet IoT modules and connectivity

26 Aug 2019 – LoRa sensor and interfacing

Two days training provided by Wiznet in the domain of IoT and LoRA sensor modules. Wiznet has various embedded boards to develop IoT prototypes.
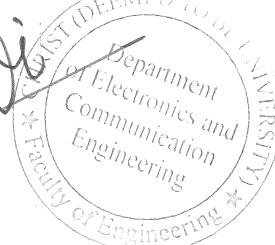
This two days' workshop conducted in connection with CDI (Center for Digital Innovation), CHRIST University. Selected list of students (10 Nos) from ECE branched participated in this two day workshop and get enriched the skill set in IoT and LoRa sensors.
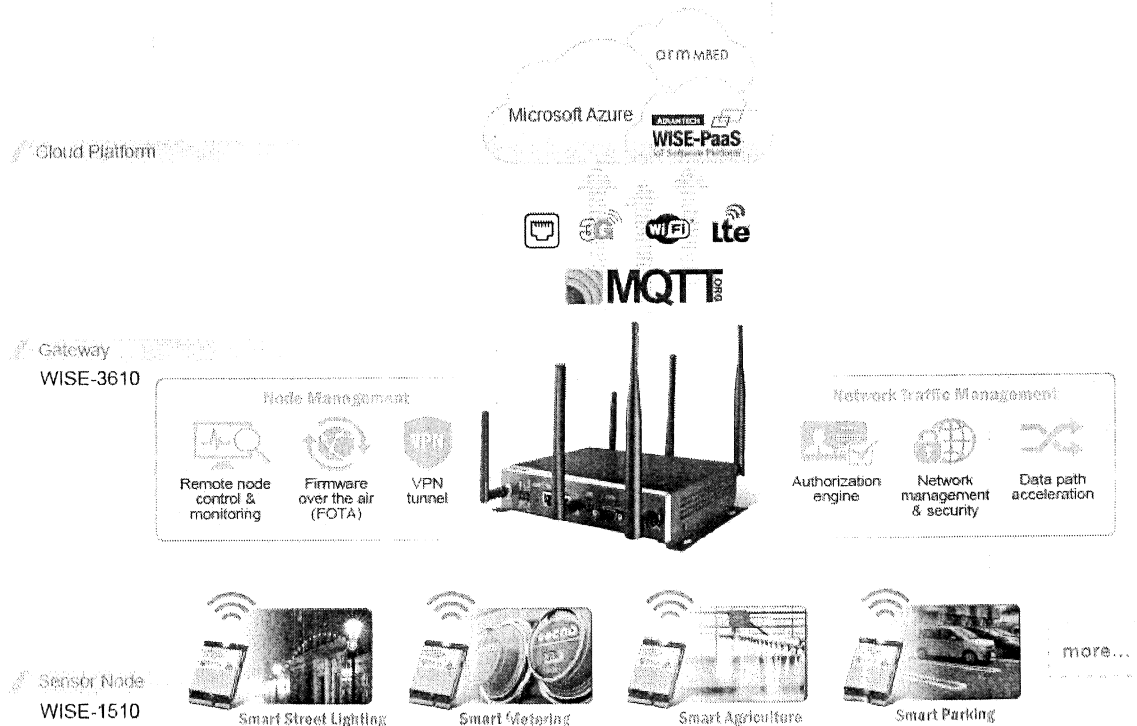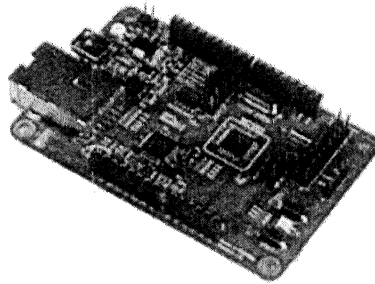
WizFi Module (Embedded WiFi Module)

WIZnet's WizFi modules offer a quick, easy, and cost-effective way for device and appliance manufacturers to add WiFi capabilities to their products. They provide UART or SPI interfaces which enable connections to any 8/16/32-bit microcontroller via simple AT commands.

- **WizFi360** : Single band 2.4GHz IEEE802.11b/g/n WiFi module, Soft AP
- **WizFi630A, WizFi630S** : Station(Client), AP, Gateway
- **WizFi250** : Single band 2.4GHz IEEE802.11b/g/n WiFi module

- **WizFi210, WizFi220** : Single bans 2.4GH IEEE802.1b WiFi Module

W7500 chip is a one-chip solution which integrates an ARM Cortex-M0, 128 KB Flash, and hardwired TCP/IP core for various embedded application platforms, especially the Internet of Things. By using the mbed-enabled WIZwiki-W7500, users will be able to take advantage of the CMSIS-DAP USB and ISP header for easy firmware writing and can also develop prototypes that are compatible with Arduino Shields.

LoRA IoT sensor applications in various fields. The in-depth two days hands on session on IoT and LoRA helped students to analyze and setup an IoT based prototypes models

Wiznet IoT – LoRA Workshop

Attendance List

25 & 26 Aug 2019

SL No	Register Number	Name	PRESENT/ABSENT
1	1860602	EDWIN ABRAHAM THOMAS	*(signature)*
2	1860603	EUGENE ANTONY BABU	*(signature)*
3	1860604	JUJJAVARAPU RAJ MOULI	*(signature)*
4	1860605	KANCHAM ASHISH REDDY	*(signature)*
5	1860606	KANUMALLI BHARATH CHANDRA	*(signature)*
6	1860607	KHODEGADE MOHAMMAD TOUKEER	*(signature)*
7	1860608	MELVIN PETER CHEERAN	*(signature)*
8	1860609	MUDUNURI YASWANTH VARMA	
9	1860610	NAMITH N	*(signature)*
10	1860611	NANDYALA VEERA MEGHA CHANDRA REDDY	*(signature)*
11	1860613	NEERAJ PUPPALA	*(signature)*
12	1860614	NIRANJAN.S	*(signature)*
13	1860617	SEGU VENKATA SAI PAVAN KUMAR	*(signature)*
14	1860618	TAMATAM VENKATA SAI PRAVEEN REDDY	*(signature)*
15	1860619	TEJAS JAYAN	*(signature)*
16	1860621	VISHNU AJAY	
17	1860623	CHELSEA AURELIA	*(signature)*
18	1860625	GADDAM SAI VENNELA	*(signature)*
19	1860626	GLADIS P SAJI	*(signature)*
20	1860627	HALMANDGE AISHWARYA BHIMASHANKAR	*(signature)*
21	1860628	HARINI N	*(signature)*
22	1860629	LAVANYA K	*(signature)*
23	1860630	SAI DHIKSHITA BHANDARU	*(signature)*
24	1860631	AJAY KODIGANDLA	*(signature)*
25	1860633	BHAVANA P	
26	1860634	SHARON JOSE	*(signature)*
27	1860635	RAGHUBIR	*(signature)*
28	1860636	GUMMANUR VIVEK	
29	1860637	M DHARANEESH	*(signature)*
30	1860639	ALLE NITHISH REDDY	
31	1860640	KETHAMREDDY NANDI VARDHAN REDDY	*(signature)*

32	1860641	PALLAPU YOSHNITHA SONJA	
33	1860642	MIRUTHULA J	
34	1860643	BANDI SUPRIYA	
35	1860644	ARNOLD ROY NAZARETH	
36	1860645	BANKA TEJA	
37	1860646	CALEB BHASKAR	
38	1860647	CHILAKALA LAKSHMI GURU RAGHAVENDRA SAGAR	
39	1860648	HARSH WARDHAN TEWARI	
40	1860649	NAGULAPATI SUDEEP REDDY	
41	1860650	PRATIK KRISHNA PORTE	
42	1860651	S.KANISHKQ	
43	1860652	SIDDAVATAM JAYA BHARATH REDDY	
44	1860653	GAYATHRI P RAMACHANDRAN	
45	1860654	KAMAYANI	
46	1860655	Y V N S BHARADWAJ	
47	1860656	SAGINALA LAKSHMI LAHARI	
48	1860658	NIYATI KAUTILYA K MACHUR	
49	1860660	PRAVEEN KUJUR	
50	1860661	NISHITA N MURTHY	
51	1860662	ANIKET LAWANIYA	
52	1860663	KARIM NAYAKGARI SOHAIL AHAMMED	
53	1861228	BENJAMIN AMAN EMMANUEL	
54	1760655	ROHITH KUMAR REDDY	
55	1760670	AJAY S	

Event Photo

About CHRIST

Christ University was born out of the educational vision of St Kuriakose Elias Chavara, an educationalist and social reformer of the nineteenth century in South India. He founded the first Catholic indigenous congregation, Carmelites of Mary Immaculate (CMI), in 1831 which administers Christ University. Established in 1969 as Christ College, it undertook path breaking initiatives in Indian higher education with the introduction of innovative and modern curricula, insistence on academic discipline, imparting of Holistic Education and adoption of global higher education practices with the support of creative and dedicated staff. The University Grants Commission (UGC) of India conferred Autonomy to Christ College in 2004 and identified it as an Institution with Potential for Excellence in 2006. In 2008 under Section 3 of the UGC Act, 1956, the Ministry of Human Resource Development of the Government of India, declared the institution a Deemed to be University, in the name and style of Christ University. One of the first institutions in India to be accredited in 1998 by the NAAC, and subsequently in 2004 and 2016, Christ University has the top grade 'A' in the 4-point scale. The multi-disciplinary University which focuses on teaching research and service, offers Bachelors to Doctoral programmes in humanities, social sciences, science, commerce, management, engineering, education and law to over 18000 students. The campus is a living example for the harmonious multiculturalism with students from all the states of India and from around 60 different countries. Christ University publishes six peer-reviewed research journals and has published more than 300 books in Kannada and English. A promoter of sports, music and literary activities, it is a nurturing ground for creative excellence.

About Wiznet

Wiznet India Private Limited is an unlisted private company incorporated on 28 November, 2018. It is classified as a private subsidiary of a foreign copmany and is located in Bangalore, Karnataka. WIZnet provides Internet processors for the IoT. It is delivering complete product lines for device Internet and Networking solutions around the world in the markets of both wired and wireless. . WIZnet is the sole innovator to patented hardwired TCP/IP technology embedded in an ethernet chipset. WIZnet's unique patented Hardware TCP/IP technology is well proven in millions of network-enabled devices around the world, which allow the customers design network devices more easily, implement more stably, launch faster to the market. WIZnet's product lines cover full vertical chains of Semiconductor Chips, MCU, Drop-in Modules, Application Modules, and External end products with FCC and CE certifications.

About the Workshop

This workshop provide training in the domain of IoT and LoRA sensor modules.

CHRIST

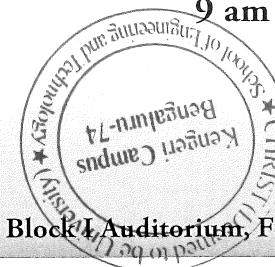# WIZnet IOT - LORA

WORKSHOP

25TH & 26TH AUG. 2019

Organised by

CDI and IOC
CHRIST (Deemed to be University)
&
Wiznet India Pvt. Ltd.
Bangalore

Time
9 am – 4 pm

Venue: Block I Auditorium, FoE, CHRIST – Kengeri Campus