



## Department of Electronics and Communication Engineering

### Research & Development Section

#### Webinar on

#### Advanced Applications of IoT and LTE Beyond

Department of Electronics and Communication Engineering in association with R&D Section and IEEE STB 16621 organized a webinar on **Advanced Applications of IoT and LTE Beyond** on 29.08.2022. **Dr. Vaddi Naga Padma Prasunna**, Associate Professor, IEEE WIE AG Advisor, Atria Institute of Technology, Bangalore delivered lecture. Ms. K. Priyanka, student of IV ECE, welcomed the gathering. Ms. Jothika, student of II ECE introduced the resource person.

#### In her lecture,

- She has introduced the concept of Internet of Things and its applications on various areas such as farming, health, traffic monitoring and energy savings etc.
- Also she explained the challenges in providing IoT solutions for various applications.
- She gave an overview on scenario, requirements and applications of Long Term Evaluation Technology (LTE) technology which offers a faster and better broadband connectivity with speeds upto 300 Mbps.
- Students' queries were clarified at the end of the session.

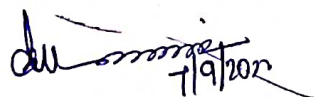
Ms. Kavinila, student of II ECE proposed vote of thanks. A total of 120 Students (CSE-34, ECE - 46 and Mechanical-40) participated in the programme. The programme was coordinated by Mr. T. Pasupathi, AP/ECE and Mr. J. Niranjan Samuel, JRF/R&D.

#### Outcome:

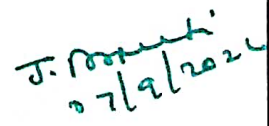
At the end of the session, students came to know about


- Fundamentals of IoT
- Challenges in designing IoT
- Applications of IoT in various sectors
- LTE Fundamentals
- LTE Applications


  
Coordinators

  
7/9/2022  
HOD/ECE


  
7/9/2022  
DRC Convener


  
7/9/2022  
Principal



**KINGS**  
 COLLEGE OF ENGINEERING  
 Department of ECE  
 and  
 R&D Section  
 jointly organizes


 Madras Section  
 STD 16621

**WEBINAR ON**  
**Advanced applications of IoT and LTE beyond**


**Dr. Vadali Naga Padma Prasanna**  
 Associate Professor,  
 IEEE WEAG Faculty Advisor,  
 Atria Institute of Technology,  
 Bangalore


**29 AUGUST 2022**  
**MONDAY**


**TIME**  
**11:30 a.m.**

**Coordinators**  
 Mr. T. Pasupathi, AP/ECE  
 Mr. J. Niranjan Samuel, JRF/R&D

**Conveners**  
 Mrs. N. Mangalyakarasi,  
 HOD/ECE  
 Dr. P. P. Shantharaman  
 DRC Convener

**Patron**  
 Dr. J. Arputha Vijaya Selvi  
 Principal/IEEE SBC

Brochure

Presanna VVP is presenting

**Advanced applications of IoT**

**The rise of 5G technology :** 5G networks are at the forefront of development of cellular mobile communications. Their extremely high speeds will offer an array of new possibilities for the IoT, paving the way for a degree of connectivity that is impossible with current standards.

Through 5G, data can be gathered, analyzed and managed in real time, virtually without delays, greatly broadening potential IoT applications and opening up pathways to further technological innovation.

**Edge Computing :**

- Edge computing means that data is stored in micro-centers as opposed to the cloud, providing numerous new options for the IoT. By storing data locally, it offers a cheaper, faster, and more efficient approach to data processing.
- **Manufacturing and Healthcare :** It is an area where there are almost endless possibilities: smart pills, smart home care, electronic health records, and personal healthcare management. All in the interest of higher degrees of patient care outcomes.
- **Connected Smart Cars**
- **Smart Cities**

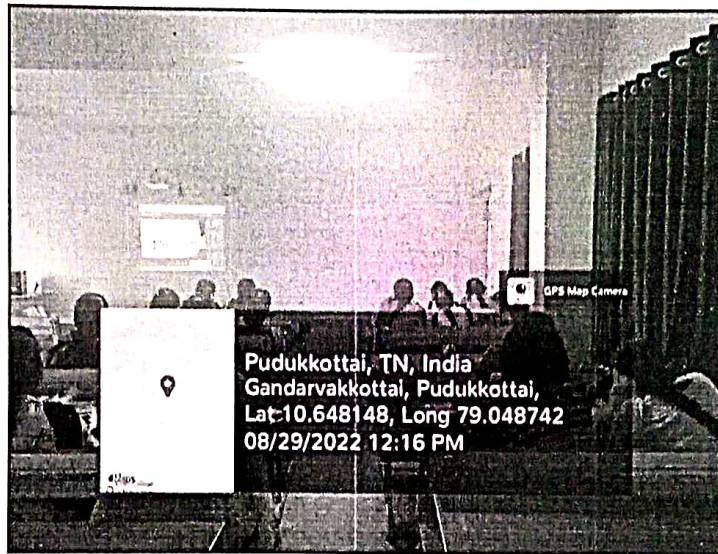
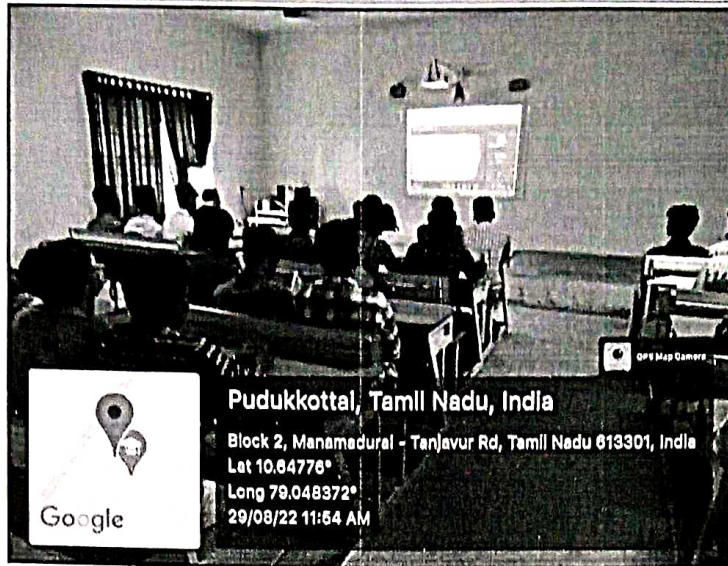
29-Aug-2022

11:43 AM | Webinar IoT

11:43 29.8.22

Screenshot of the presentation





A view of the participants attending the programme in smart classroom

**Request for consent - rog**

Niranjan Samuel J <niranjansamuel@kingsengg.edu.in>  
To: vnp.prasunna@atria.edu

Fri, Aug 26, 2022 at 12:26 PM

Madam,

Greetings from Kings College of Engineering - IEEE STB 16621

Kings College of Engineering (KCE) is an institution which was formed with the single aim of providing quality education to the poor and underprivileged students. KCE is approved by All India Council for Technical Education, New Delhi (AICTE) and is affiliated to Anna University, Chennai. The institution was established in the year 2001 on a sprawling campus of around 60 acres on the Thanjavur-Pudukkottai Highway and run by Raj Educational Trust (RET). The institution offers six U.G and four P.G programmes and is certified with ISO 9001:2008.

Department of ECE in association with IEEE Student Branch and R&D Section is organizing a webinar on IOT on 29.08.2022. In connection with this, we would like to invite you to deliver a lecture of one hour duration in the webinar scheduled on 29.08.2022 (11:30 a.m. - 12:30 p.m.)

Expecting a favourable reply in this regard.

Kindly send us your profile.

Thank you,

Regards,

J. Niranjan Samuel  
JRF/ECE-R&D  
Coordinator - Social Media & Press  
Incharge - IEEE STB 16621  
Kings College of Engineering  
Punalkulam, Near Thanjavur



Niranjana Samuel J <niranjansamuel@kingsengg.edu.in>

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## Request for consent - reg

Prasanna VNP <vnp.prasanna@atria.edu>  
To: Niranjana Samuel J <niranjansamuel@kingsengg.edu.in>

Fri, Aug 26, 2022 at 2:53 PM


Dear Sir,

Thank you for your invitation and I am happy to deliver a lecture in the webinar scheduled on 29.08.2022 at the scheduled time.  
PFA of my profile.

Regards  
Dr. Prasanna VNP  
Associate Professor, ECE dept,  
WiE AG advisor,  
Atria Institute of Technology

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 My profile.docx  
286K