NEWSLETTER

El.Com-Apr'18

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Editorial

by Dr.S.A.Pasupathy

Dear Readers,

In the last two decades, we have witnessed incredible achievements in telecom industry which includes but not limited to 2G to 3G, 4G, VoIP, GPS and WiFi. However, the Indian telecom industry can be classified as before Jio and after Jio which significantly changed the mobile phone usage pattern. The technology has been percolated to almost all the remote villages of our nation. The decline in data tariffs resulted in large number of new age entrepreneurs where most of them are APP based. For instance, the companies like OLA, Swiggy do not really own any assets but they serve millions of people every day. Moreover, the evolution of IoT is also influencing all the industries including healthcare and industrial automation (IIoT 4.0).

All the governments across the globe are adopting these technologies in the form of smart cities, digitization of administration and robotisation of agriculture and farming. Due to stringent competition between the telecom operators, the industry axed large number of their employees. However, after the short consolidation period, the biggies in telecom industries will start investing more to meet the consumer and industry demands. Subsequently, they need an army of work force with new skill sets and it is anticipated to generate 800,000 jobs by 2025. Despite all these advancements in mobile and data communication, this technology is not only vulnerable to security threats but they are extremely energy hungry. The advancements in battery technologies and Low power Long range Communication protocols (LoRa) will help to meet the ever growing telecommunication sector. By considering all of these opportunities, we are happy in bringing special issue of our newsletter focused on telecom. We have succinctly produced an issue covering the future of telecommunication and hope it will be useful and informative.

*Shobika Janani M (15BEC062), Saranya S B (15BEC150) secured **first place** in **Volley Ball (CIT Trophy)** held at Coimbatore Institute of Technology, Coimbatore on 08.03.2018 and 09.03.2018*

*Vishveshraj R (15BEC037) secured **second place** in **Akshaya College Trophy (Ball Badmition)** held at Akshaya College of Engineering and Technology, Coimbatore on 24.03.2018 and 25.03.2018*

"ACHIEVEMENTS"

*The Department Advisory Board Meeting was held on 08.03.2018. **Mr.J.U.Nambi**, CTO, Lyle Technologies was invited as Alumni Member. **Mr. Ranganatha**, Principal Engineer Microchip was invited as the Member from Industry. **Dr.Nirmala Devi.M**, Vice chairperson /ECE, Amrita School of Engineering was invited as Member from Academic Institution of Repute. **Dr.S.Ragavan**, Professor/ECE, National Institute of Technology was invited as Member from Academic Institution of Repute. Dr.S.A.Pasupathy presented the Mission, Vision, POs, PEOs, PSOs, highlights and achievements of the department. Department Vision was approved by the DAB members without any change. The Department Mission was modified based on the discussions as Motivating students to develop professional ethics, self-confidence and leadership quality, facilitating the students to acquire knowledge and skills innovatively to meet evolving global challenges and societal needs and Achieving excellence in academics, core engineering and research. By incorporating the suggestions from the DAB members, the new version of PEOs and PSOs were framed.*

*The students of ECE-B (2nd Year) underwent an **Out Bound Training** at Conoor from 24.03.18 to 26.03.18.*

*A Guest lecture on **"Basis of Switching and Routing"** was organized on 29.03.2018 by Prof.K.Ramprakash, Ms.K.Thilagavathi and Mr.S.Arun Kumar for third year UG students. A total of 50 students and 3 faculty attended this session. The aim of the lecture was to provide insight on Switching and Routing principles and job opportunities in networking domain to third year ECE students. The Alumni guest speaker Mr.S.Manoharan, working as a Senior Staff Software Engineer at Vyatta, a Brocade Company, Bangalore gave an overview as well as gave a demonstration on few topics like TCP/IP Architecture, IP addressing, IPv4 Limitations, Addressing, Mechanism, Routing Protocols and Basics of Switching.*

A guest lecture on "RF Engineering in Mobile Communication" *was organized on 23.03.18 Prof.K.Ramprakash, Ms.K.Thilagavathi and Mr.S.Arun Kumar for third year UG students. Prof.K.RamPrakash welcomed the Alumni Mr.N.Senthil Kumar B.E., M.S.,Sub Divisional Engineer (RF),BSNL, Salem. The aim of the lecture was to improve the knowledge on the role of RF engineering in Mobile communication and job opportunities in RF domain to third year ECE students.*

*The Department of Electronics and communication engineering conducted **15TH Board of Studies meeting** for approving curriculum of R2017 and R2018 and syllabus for R2017 (III & IV semester), R2018(I and II semester) of B.E. ECE programme on 24.03.2018. **Dr.S.A.Pasupathy**, Professor and Head of the Department chaired the meeting and presented the draft version of curriculum and syllabus. **Dr.G.Geetha**, ASP/ECE Anna University, Chennai was invited as Anna University Nominee. **Dr.P. Vijayalakshmi**, Prof./ECE, SSN College of Engineering. **Dr.P.Palanisamy**, Prof./ECE, National Institute of Technology, Tricharapalli was invited as the expert member from Academic Council. **G.R.Nisha**, Scientist /Engineer "SF"Section Head, ISRO (po), Trivandrum, **Mr.Rangabhargavan**, Senior Module Lead, Avaya Technologies and **Mr. Divyanshu Verma,** Senior Manager, Intel R&D were invited as industry members. **Mr. Senthilkumar**, Sub Divisional Engineer (RF), BSNL was invited as Alumni member. **Lawrence W.C. Wong**, Professor, Department of Electrical and Computer Engineering, National University of Singapore was invited as Special guest. The board suggested few changes to be implemented for the enhanced knowledge gain in program core.*

COMPANIES VISITED FOR RECRUITMENT

- Keyance India
- Ninjakart
- Byju's learning
- NTT
- Gofrugal
- Zoho Corp(software developer)
- Fourkites
- OYO
- Wabco
- Data Pattern
- Emrill-Dubai
- Advanced clothing concepts
- Zoho(digital marketing)

APPS TO KNOW

GNU Octave :

Octave is like MATLAB computation engine but licensed as free software. It is not some similar program but Octave really runs .m files natively.

https://play.google.com/store/apps/details?id=com.octave

Octave also lets user to do online compilation.
Visit- https://octave-online.net

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Department Vision

To be a centre of repute for learning and research with internationally accredited curriculum, state-of-the-art infrastructure and laboratories to enable the students to succeed in globally competitive environments in academics and industry.
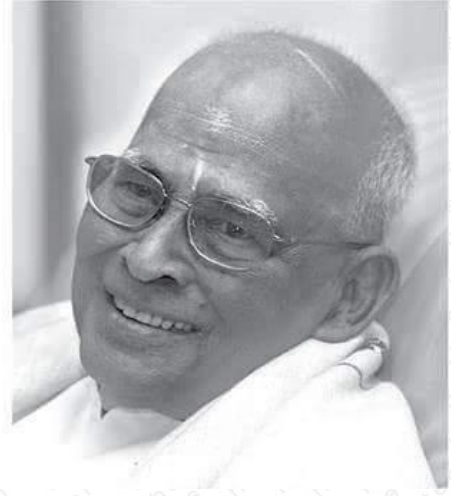
Department Mission

- Motivate students to develop professional ethics, self-confidence and leadership quality.

- Facilitate the students to acquire knowledge and skills innovatively to meet evolving global challenges and societal needs.

- Achieve excellence in academics, core engineering and research.

குமரகுரு
தொழில்நுட்பக் கல்லூரி

அய்யா

வணங்குகிறோம் வழிநடப்போம்
உங்கள் வாழ்க்கை – எங்கள் பாதை

kct.ac.in
fb.com/kct.edu
kumaraguruece.wordpress.com

FOR SHARING ARTICLES/SUGGESTIONS CONTACT

The HoD,
Department of ECE,
Kumaraguru College of Technology,
Chinnavedampatti, Saravanampatti, Coimbatore-641049.
Phone:0422 2661200
Mail ID:hod.ece@kct.ac.in