

ABOUT THE INSTITUTE

Velammal Engineering College was established during 1995-1996. It is accredited by NBA and NAAC. It offers 8 UG, 3 PG and several research programmes leading to Ph.D. degrees. VEC has several centers of excellence and Research laboratories. The college has signed MoU with research organizations and industries in order to promote the technology development, training of students, curriculum updation and development of state of the art centers. Experienced and highly qualified faculty members are strongly encouraged to foster the students. The entire campus is connected through sophisticated Wi-Fi Internet facility to support academic and research work. The College has well-equipped laboratories for all branches of engineering and also has close interactions with the leading Industries and IT firms for students training and placement. Innovative methods are adopted to impart and improve the quality of higher education and the standard of the students.



A One Day Workshop on

RESEARCH OPPORTUNITIES IN ARCHITECTURAL DESIGN OF 5G NETWORKS

18-08-2017 (Friday)

Convener

Dr. S. MARY JOANS
Prof. & HOD / ECE

Coordinators

Dr.K.THILAGAM, AP-III
Mrs.G.JAYANDHI, AP-III



Organized By

Dept. of Electronics and Communication Engg.
Velammal Engineering College,
Velammal Nagar, Surapet,
Ambattur- Redhills Road,
Chennai-600066

ADDRESS FOR COMMUNICATION

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ABOUT THE DEPARTMENT

The B.E (ECE) program was started in the academic year 1995-1996. The PG Programme, M.E(Applied Electronics) is also being conducted in our Department. From the inception, the Department is providing quality education to the students community. The Department has modern laboratories equipped with latest hardware components and software accessibility to cater to the academic needs of the faculty and students. The Faculty members are engaged in research activities under various domains like Wireless Communication, Networking, Signal Processing, Advanced Image Processing, Embedded and VLSI technologies. The Department has signed MoU with reputed organizations, from where the faculty and students get more benefits for the research and project work. Research Programmes have been nurtured effectively in the Department by organizing Conferences, Seminars, Symposium, Mini projects, Faculty Development Programme and Workshops.

ABOUT THE WORKSHOP

In recent years, the research attention has been attracted by the development of future 5G networks. It is widely recognized that 5G is not only about new radio/wireless technologies, but also network architecture revolutions accompanied by the design of intelligent network functions and protocols. The multimedia/video content delivery is envisaged to remain the killer application in 5G, emerging Internet of Things (IoT) services, etc. One of the key considerations in the design of 5G networks is supporting increased variance in network traffic profiles, packet size, control and data plane scale, delay tolerance and mobility. The objective of the workshop is to explore the idea of architectural designing aspects and research opportunities in future generation 5G networks.

TOPICS TO BE COVERED

SESSION – I

- Introduction on future Generation Networks.
- Future Internet and Next-Generation Networking architectures
- Datacenter and cloud-based networking
- Software Defined Networking (SDN)
- Heterogeneous multi-layer and multi-domain networks, including wireless-wireline internetworking

SESSION – II

- Architecture and protocol design for Next-Generation Social Networking services
- Design methodologies for future Internet services
- Machine-to-Machine, Device-to-Device, Machine-Type-Communications in next generation Internet
- Energy-efficient protocol design and green communication
- Next generation switch and router architectures

RESOURCE PERSONS

1. **Mr.J.SANTHAKRISHNAN**
DEPUTY GENERAL MANAGER-BSNL (Rtd.)
Ex.ADJUNCT FACULTY NIT(NAGALAND)
2. **Mr.S.BALAJI**
ASSISTANT DIRECTOR
NETWORK PLANNING –BSNL
CHENNAI.

ELIGIBILITY

Research scholars, PG students, UG students and faculty members from various engineering colleges and Universities who are doing projects/research in the area of Wireless Communication, future generation networks and Computer vision.

Seats are limited to 50 members. So candidates who are registering will be selected based on first come first serve basis.

REGISTRATION FEE

Researchers, UG, PG Students,
Industry Persons & Academicians : 600 /-

MODE OF PAYMENT

Payment by Cash / DD drawn in favor of “**The Principal, Velammal Engineering College, Chennai**” payable at Chennai along with the Registration form.

IMPORTANT DATES

Last Date for Registration: 10.08.2017

Intimation of Selection : 13.08.2017

REGISTRATION FORM

Name

Gender: Male / Female.....

Designation:

Organization:

Address:

.....

Mobile No.:

E-mail :

.....

Accommodation required: Yes/ No

(Payment Details)

D.D. No.:

Bank Name:.....

Amount : Date :

Declaration: The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the course and attend the course for the entire duration.

Place:

Date:

Signature of the Participant