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Honble Vice Chancellor, VTU

Dr. Satish Annigeri
Registrar(Evaluation), VTU.

Mr. Manjunath Bhandary
Chairman, Bhandary Foundation.

Dr. D. L Prabhakar
Director, SCEM

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Alcatel Lucent Technologies

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Mr. Praveen Kumar Konda
Assistant Professor, Department of ECE

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Participating Professional Bodies

IETE
Institution of Electronics &
Telecommunication Engineers

Participating Industries

RDL Technologies Pvt Ltd
Head Office:
5th floor, Sahyadri Campus,
Adyar, Mangaluru-575007, Karnataka.
Phone:+91-7411001407, 0824-2988407
Email: support@researchdesignlab.com

NI Systems (India) Pvt Ltd
81/1 and 82/1 SalarpuriaSoftzone,
Wing B, 5th Floor, Block A,
Bellandur, Varthur Hobli,
Bangalore – 560013.
Email:ni.india@ni.com,
Phone: 99860 28517 , +91-80-41190000

Venue:
Sahyadri College of Engineering & Management,
Sahyadri Campus, Mangaluru

www.sahyadri.edu.in

TEQIP 1.3 Sponsored
Three Day Workshop on

Aspects of LTE 4G
22nd March - 24th March 2019.

In Association with

Visvesvaraya Technological University
Belagavi, Karnataka

Aryabhatta Knowledge University
Patna, Bihar

Biju Patnaik University of Technology
Rourkela, Odisha

and

SAHYADRI
**COLLEGE OF ENGINEERING & MANAGEMENT
MANGALURU**

**DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING**

Three Day Workshop on "Aspects of LTE 4G"
22nd March - 24th March 2019.

<u>Registration Form</u>

Name : _____

Designation : _____

Department : _____

Qualification : _____

Gender : _____

Category : _____

Address for Communication: _____

_____

Phone : _____

Email : _____

Signature of HoD/Principal

- Faculty from VTU affiliated Engineering colleges in the Department of Electronics & Communication and Telecommunication are eligible.
- Lunch and snacks will be provided to all the participants attending the workshop.
- Outstation participants are expected to make their own lodging arrangements to attend the workshop.
- **Registration is free**. The number of participants is limited to 40 on a first come first serve basis.

Last date for Registration: **18th March 2019.**

Venue: **Shambhavi Seminar Hall, SCEM, Mangalore.**

Please send the scanned copy of registration form by E-mail to

hod.ec.engg@sahyadri.edu.in

About the University

Visvesvaraya Technological University (VTU) is one of the largest Technological Universities in India with 16 years of tradition of excellence in Engineering & Technical Education, Research and Innovations. It came into existence in the year 1998 to cater the needs of Indian industries for trained technical manpower with practical experience and sound theoretical knowledge. University has very successfully achieved the tremendous task of bringing various colleges affiliated earlier to different Universities. The university having 218 affiliated colleges, 1 constituent college and 17 Autonomous colleges with undergraduate courses in 35 disciplines, PG program in 94 disciplines and Ph.D & M.sc(Engg.) by Research programs in 592 departments, over4 lakhs Engineering Students study in the various institutes affiliated to the University. The University has 13 Quality Improvement Programme (QIP) centers in various affiliated colleges and 16 extension centers for offering PG programs. It has four regional centers across the State of Karnataka in Belagavi, Bengaluru, Kalaburagi and Mysuru. University is comprised of a multi-disciplinary and multi-level institution offering wide ranging programmers in Engineering, technology and Management.

The TEQIP Project focuses on the following objectives:

- Improving quality and equity in engineering institutions in focus states viz. Seven Low Income States (LIS), eight states in the North-East of India, three Hill states viz. Himachal Pradesh, Jammu & Kashmir, Uttarakhand and Andaman and Nicobar Islands
- System-level initiatives to strengthen sector governance and performance which include widening the scope of Affiliating Technical Universities (ATUs) to improve their policy, academic and management practices towards affiliated institutions
- Twinning Arrangements to Build Capacity and Improve Performance of institutions and ATUs participating in focus states.

As a twinning partner VTU is conducting various activates improve quality of education in affiliated colleges and mentee university partners namely Aryabhatta Knowledge University, Patna and Biju Patnaik University of Technology Rourkela, Odisha.

About Sahyadri

Sahyadri College of Engineering and Management (SCEM) is in existence since a decade, being recognized by AICTE, Government of India, affiliated with NAAC "A" Grade and certified by IAO & ISO. Sahyadri has got the status - 12 (B) of UGC act 1956 by University Grant Commission, Government of India. Sahyadri College has academic MOU with various National, International Universities

and also has collaboration with leading Corporate for innovation, incubation, internships, research, projects and hands on experience. The College offers B.E. Degree, Post Graduation in M.Tech, MBA and Ph.D. Research Programs. Sahyadri encourages students to "**Walk-in with the Idea and Walk-out with the Product**". The College aims at imparting project based learning, thus enabling students to understand the process of learning concepts.

Students right from day one are offered an opportunity to take part in the events held at IIT's, NIT's and SAE events, thus improving their analytical skills, connectivity and gain exposure across the globe. The total student and staff strength at the campus is nearly 4000. The Department of Electronics and Communication Engineering offers UG course in ECE with intake of 120. Department has well equipped laboratories and in addition to university curriculum industry connect courses such as Embedded System, IoT, Machine Learning, Python and Artificial Intelligence are being offered to the students.

"Sahyadri Conclave" an initiative to popularize Science, Technology & Management amongst the masses and create an awareness regarding its impact on Socio-economic levels for a sustainable development of the nation was successfully organised in 2018. Interactive sessions presented by the Nobel Laureates, Turing Awardee, Renowned Scientists and Industrialist across the globe relating to various application oriented themes and issues were discussed.

About the Workshop

The workshop is being held give insight to the faculties of VTU about the progress of Long Term Evolution (LTE) with specific reference to 4G. Course on LTE 4G has been introduced in the CBCS scheme for both Undergraduate and Postgraduate programmes in communication related streams. The workshop is being conducted to facilitate the faculty of VTU engineering colleges to understand the course contents and to get a brief overview about LTE and its components from experts.

Objectives of the Workshop

- Exposure to the LTE 4G system architecture.
- Understand the basics of multicarrier modulation.
- Understand the physical layer of LTE 4G.
- Exposure to LTE 4G Protocol stacks for various events.
- Exposure to the network side of LTE 4G.

Pre-requisite

Fundamentals of Communication Engineering.