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A

Detailed Report

of

Three days' Workshop

on

“Emerging Trends in Electronics & Communication”

Organized By

Department of Electronics & Communication Engineering



KCT ENGINEERING COLLEGE, KALABURAGI

(Affiliated to VTU, Belagavi)

8th November 2022 to 10th November 2022

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Introduction to the college

Hazrath Shaikh Minhajuddin Ansari Kallerawan Charitable Trust Gulbarga was founded in the year 1979 under the precious and dynamic leadership of Alijanab Alhaj Qamar-ul-Islam B.E. (Mech.) with the objective of educational and social upliftment of people of Hyderabad Karnataka in general and Muslims in particular.

The College is affiliated to the Visvesvaraya Technological University Belgaum, recognized by the Govt. of Karnataka, approved by the AICTE, New Delhi and certified by ISO 9001:2015. The College is performing and continues to perform with a VISION and MISSION. The academics is supported by different departments namely Computer Science, Mechanical, Civil and Electronics & Communication Engineering. The College is equipped with latest equipment in the laboratories of respective departments with an infrastructure as prescribed by the university. The computer laboratory is equipped with systems of latest configurations with internet facility. Aesthetically designed spacious and well-ventilated classrooms to provide the right environment for learning. Well experienced and qualified teaching faculties good rapport between the teacher and the student.

“Access to information is a vital key in realizing an individual’s potential”. The college is having separate library & reference section with well stacked standard texts, magazines, journals, periodicals in a spacious hall and also the digital library facility is available with access to international e-journals.

The College also has career guidance cell which helps in placement activities headed by a placement officer for providing career guidance & getting mid-term projects to the students. The academic activities are well supported by EDU-SAT centre for conducting distance education programmes using satellites.

“Advanced education is as much importance to the country as building of railways, steamship & battleships” Special Faculty Development Programmes (FDP) & Technical Quality Improvement Programmes (TEQIP) teaching to get equipped with the latest trends & technologies and encourages the staff to make use of different teaching aids to make their teachings effective.

The College students participate in Inter collegiate tournaments & competitions conducted every year by VTU including annual meet & youth festival. The winners are given cash rewards, medals & scholarships from the college.

About the Workshop

Engineering colleges were established to train graduates in their respective branch/ department of study, have a holistic outlook towards life, and have a desire to work for national needs and beyond. The graduating student must have excellent knowledge and skills in the area of his/her study.

There is a mad rush for engineering today, without the student determining for himself his interests and his goals. This is a major factor in the current state of de-motivation that exists among UG students towards studies. The success of gaining admission into a desired institution but failure in getting the desired branch, with peer pressure generating its own problems, leads to a peer environment that is de-motivating and corrosive.

This workshop has been conceptualized for effective dissemination and promulgation of emerging trends in all fields of Electronics and Communication Engineering. With a relentless pursuit of excellence, it aims at providing immaculate and information regarding emerging trends, thus fostering the spirit of non-conformity, experimentation and de novo intellection among the students.

Emerging technologies are those that are still in the early stages of development and have limited practical applications. The focus and scope of the workshop on Emerging Trends in Electronics & Communication Engineering has been divided into the following two domains:

Electronics:

- Sensor Research & Technology
- VLSI Design Tools & Technology
- Photonic and Optoelectronic Circuits
- Power Electronics & Power Systems

Communication:

- Antenna and Wave Propagation
- Antenna and Propagation
- Broadband wireless technologies
- Optical Communication and Components
- Optical Networks
- Wireless and optical communications
- Wired/ Wireless Technology Integration

Program Schedule

S.No.	Date	Name of the Resource Person	Affiliation
1.	8/11/2022	Dr. S.N. Mulge	Gulbarga University, Kalaburagi
2.	9/11/2022	Dr. Anilkumar Patil	KCT Engineering College, Kalaburagi
3.	10/11/2022	Dr. Sanjaykumar Gowre	BKIT, Bhalki

The workshop was inaugurated on 8th November 2022.

Prof. Juhi Nishat Ansari, Convener of the workshop and Dr. Anil Patil HOD (ECE), welcomed all the dignitaries and emphasized upon the quality education, the ECE Department is providing to their students.

Prof. Madiha Kausar, Coordinator and Assistant Professor ECE, presented the objectives of the workshop and the role of this workshop in reducing the gap between academics and industry.





Details of resource person

Name: Dr. S.N. Mulge

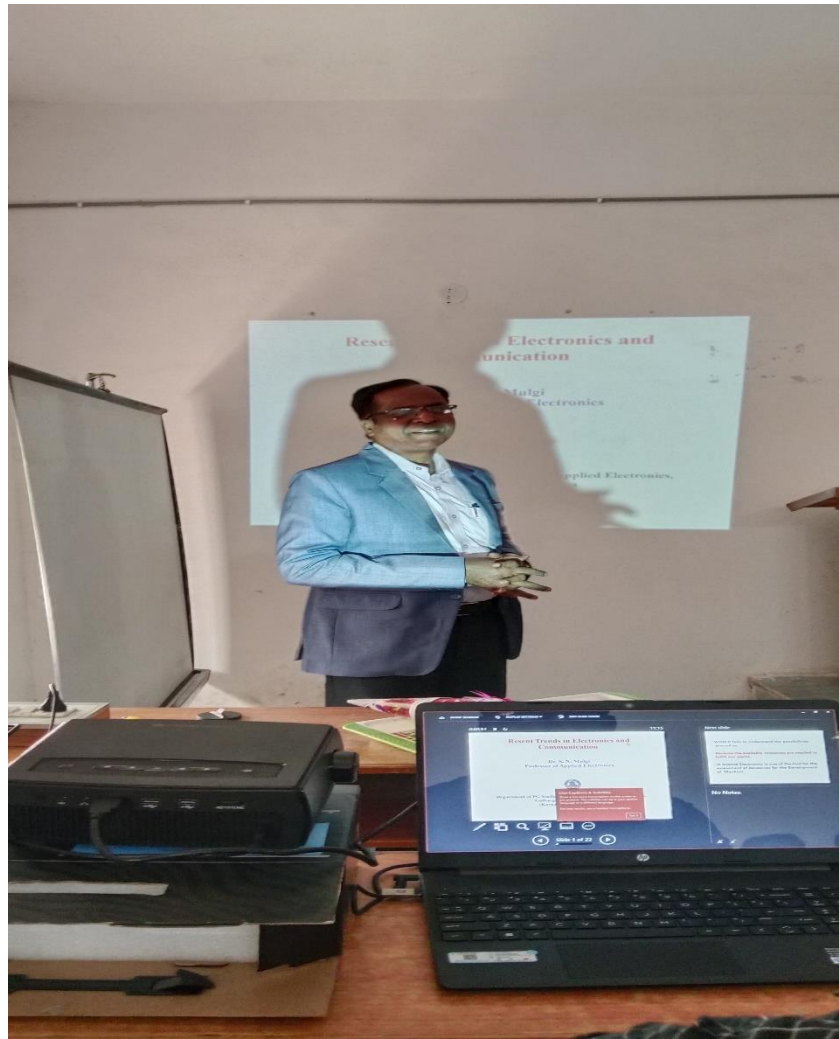
Designation: Professor (Rtd), Dept. Applied Electronics, Gulbarga University

Qualification: M.Sc., M.Phil., Ph.D.

Specialization: Microwave Electronics

On the first day, Dr. S.N Mulge from Gulbarga University, Kalaburagi discussed about the following topics.

- Antenna and Wave Propagation
- Antenna and Propagation
- VLSI Design Tools & Technology



Details of resource person

Name: Dr. Anil Kumar Patil

Designation: Professor, Dept. of (E&CE), KCTEC, Kalaburagi

Qualification: B.E., M.E., Ph.D.

Specialization: Wireless Communication

On the second day, Dr. AnilKumar Patil, HOD(E&CE), KCTEC, Kalaburagi discussed the following topics.

- Sensor Research & Technology
- Power Electronics & Power Systems
- Broadband wireless technologies
- Wired/ Wireless Technology Integration



Details of resource person

Name: Dr. Sanjaykumar Gowre

Designation: Professor, Dept. of (E&CE), BKIT, Bhalki

Qualification: B.E., M.E., Ph.D.

Specialization: Optical Communication, Photonics

On day third, Dr Sanjaykumar Gowre, Professor, BKIT, Bhalki discussed the following topics

- Optical Communication and Components
- Optical Networks
- Photonic and Optoelectronic Circuits



The workshop was successfully completed on 10th November 2022 with distribution of participation certificates to the faculties and students. The Vote of Thanks was given by Prof. Sridevi, Asst Professor, ECE, to the distinguished participants for enlightening about the workshop theme. She had also extended her gratitude to the honourable Management and Principal, KCTEC for their

continuous support and encouragement for organizing the workshop. She had also thanked for the ample support from faculty members of Electronics & Communication Engineering department.

Dr. S.A. Quadri, Principal, KCTEC, congratulated the Department of Electronics & Communication Engineering for the event and extended his warm wishes for its successful completion.



