

# ***Knowledge Hunt***

## **News Letter**

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**KGiSL Institute of Technology [KiTE]** was started in the year 2008 by **Padmashri Dr. G. Bakthavathsalam**, MS, FICS, FCCP, FAMS, and FMMC., founder-Chairman of KG Hospital, **Dr Ashok Bakthavathsalam**, chairman of KGiSL Group of Institutions and KG Systems established KGiSL Institute of Technology with a aim to provide industry embedded education and to mold the students for leadership in industry, government, and educational institutions; to advance the knowledge base of the engineering professions; and to influence the future directions of engineering education and practice.

**KGiSL Institute of Technology** is at the hub of the KGiSL Campus of Sarvanampatty with top-notch employers like **Cognizant**, **NTT Data**, **KGiSL**, **TNQ** and **BOSCH** as neighbors. Here, one will be exposed to cutting-edge developments and have opportunities for networking through professionals working in companies on our campus, excellent teachers and support staff, and guest speakers who are connected to the industry as researchers and consultants.



## ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering was started in the year 2008 and the department offers undergraduate, and postgraduate in Applied Electronics. The total sanctioned student strength is 310 for UG and 18 for PG. Our department has always been interested in developing Engineers by keeping pace with changing technologies, professionalism, creativity research and employability.

The department has well established laboratories, Equipment facilities, with qualified and experienced faculty members to run these programme. The exciting world of electronics needs very good mathematical background and also an analytical mind. The opportunities in electronic field are countless; Application developers, system engineers, integrators and information technology. Infotainment enthralls the common man.

## VISION

To promote industry embedded education among ECE (expand) Professionals to face the Global challenges with innovations and Ethical values.

## MISSION

M1: To establish a unique learning environment so as to face the challenges in

Electronics and Communication

M2: To create platform for innovation, research and adoption of new technology

M3: To inculcate ethical values and enhancing entrepreneurial skills

# Program Educational Objectives

**PEO1 : To enable graduates to pursue research, or have a successful career in academia or industries associated with Electronics and Communication Engineering, or as entrepreneurs.**

**PEO2 : To provide students with strong foundational concepts and also advanced techniques and tools in order to enable them to build solutions or systems of varying complexity.**

**PEO3 : To prepare students to critically analyze existing literature in an area of specialization and ethically develop innovative and research oriented methodologies to solve the problems identified.**

## Program Outcomes

### 1.Engineering Knowledge

- Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

### 2.Problem Analysis

- Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

### 3.Design/Development of Solutions

- Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

## **4. Conduct Investigations of Complex Problems**

- Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

## **5. Modern Tool Usage**

- Create, select, and apply appropriate techniques, resources, and modern engineering & IT tools including prediction and modeling to complex engineering activities with understanding of the limitations.

## **6. The Engineer and Society**

- Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

## **7. Environment and Sustainability**

- Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

## **8. Ethics**

- Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

## **9. Individual and Team Work**

- Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

## **10. Communication**

- Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

## **11. Project Management and Finance**

- Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

## **12. Life-Long Learning**

- Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

### **Program Specific Outcomes**

**PSO1 : To analyze, design and develop solutions by applying foundational concepts of Electronic & Communication Engineering.**

**PSO2 : To apply design principles and best practices for developing quality products for scientific and business applications.**

**PSO3 : To adapt to emerging information and communication technologies (ICT) to innovate ideas and solutions to existing / novel problems**

## ADVISORY COMMITTEE

	<b>Chief Editor</b>	• Dr.R.Ravichandran
	<b>Editorial Members</b>	• Mrs.P.Sreelatha • Mrs.S.Anitha & C.Prema
	<b>Student Members</b>	• Mr.M.S.Gokulswaminathan

## ASSOCIATION MEMBERS



## LAKSHYA ASSOCIATION

<b>Chair Person</b>	• Ms.N.Somiya
<b>Secretary</b>	• Mr.P.GuruPrashanth
<b>Treasurer</b>	• Ms.R.Pranesh



# EVENT ORGANISED

- *IETE Students Forum* conducts Seminar on *“Mobile App Development”* by Mr. Krishna Kumar New Tech Mobile on 27-11-2017.



## Record of Faculty Achievements

- *Ms.A.Abirami* has participated 7 days FDTP on *“Electromagnetic Fields”* at Karpagam College of Engineering, Coimbatore.
- *Ms.A.Abirami* has participated 7 days FDTP on *“RF & Microwave Engineering”* at K. Ramakrishna College of Technology, Trichy.
- *Ms.P.Sreelatha* and *Ms.K.P.Keerthana*, have participated in ICMR Sponsored National Level on *“Trending Technology in Medical Robots for Surgery”* at Sri Ramakrishna Engineering College, Coimbatore.
- *Mr.Vellingiri* has conducted 2 days workshop on *Embedded Systems and Internet of Things* by i3Indya Technologies during 28<sup>th</sup> and 29<sup>th</sup> of August 2017.
- *Mr.Vellingiri* and *Ms.Janani* have conducted 2 days workshop in *Mobile Controlled Robotics* by Harbour Technologies during 2<sup>nd</sup> and 3<sup>rd</sup> of August 2017.
- *Mr.Vellingiri* has conducted 2 days workshop on *Raspberry Pi* by Beta Technologies during 27<sup>th</sup> and 28<sup>th</sup> of February 2017.

# Student Achievements

## In-plant Training:

- *R.Vinodhini and team from III ECE-A have attended in-plant training at 110/22-11KV/Sub Station/Saravanampatty Coimbatore Electricity Distribution Circle/North/ Coimbatore.*
- *V.Sornamugi from II ECE-B has undergone Inplant Training in Uniq Technologies for 5 days.*
- *P.Sowmya from II ECE-B has undergone Inplant Training in Embedded Systems conducted by Code Bind Technologies.*
- *K.Anushia Devi from III ECE-A has undergone Inplant Training in Uniq Technologies.*

## Workshop:

- *R.Rangesh and team from II ECE-B have participated 2 days workshop in “Embedded Systems and IOT” conducted by i3indya Technologies at Kite.*
- *V.Sornamugi from II ECE-B has attended a workshop on “Android APP Development” conducted by UNIQ Technologies.*
- *T.Sharumathi and team from II ECE-B have participated one day workshop on “Android and Corportate Training Test” conducted by Code Bind Technologies.*
- *T.Sharumathi from II ECE-B has attended workshop in “Basic Pipe Stress Analysis” conducted by Edison Research Foundation.*
- *Raja Mohamed from II ECE-B has attended workshop on “Ethical Hacking” conducted by Tekzie at KGiSL Campus.*
- *K.Anushia Devi from III ECE-A has attended a workshop on Python & Data Science in Ether Services, Coimbatore.*



- *K.Rahul* from III ECE B has attended one day workshop on **ISRO Satellite Remote Sensing Based Environmental Applications**, organized by Karunya University and RRSC- ISRO. Bengaluru in Mar'2017.

## ALUMNI CORNER



*Mr.A.Gokul,  
Design Engineer,  
Caliber Interconnect Solutions Pvt Ltd,  
Coimbatore.  
(2012 - 2016 Batch)*

*"The college is very good in shaping up the students  
and  
facilitating them with their requirements"*

*"The facilities provided to the students  
and  
infrastructure in the college are top class standards"*

