

# **KiTE** KGiSL INSTITUTE OF TECHNOLOGY

Department of Electronics and Communication Engineering

## **KNOWLEDGE HUNT NEWSLETTER**

**VOLUME:3 ISSUE:2**

**DEC'17-MAY'18**



*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



## Electronics & Communication Engineering

*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.*

## 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.

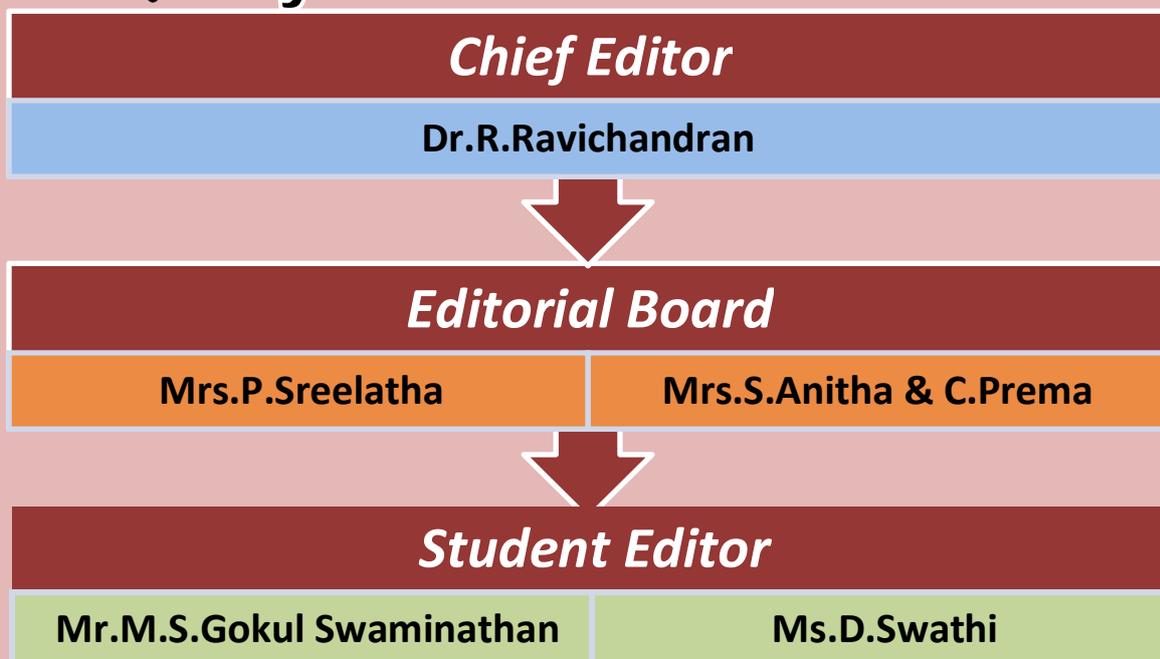
## Program Specific Outcomes

**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



## Dept. Association Members

**Chair  
Person**

• Ms.N.Somiya

**Secretary**

• Mr.P.GuruPrasath

**Treasurer**

• Mr.R.Pranesh

## Event Organized

IETE Students forum organized Seminar on “Mobile APP Development - ANDROID” by Mr. Kalai, Training Facilitor, Code Bind Technologies on 27-11-2017.

IETE Students forum organized Seminar on "Industrial Automation" by Mr.P.Raj Kumar, Tool & Tactics Lab on 08-01-2018.

IETE Students forum conducts Seminar on "Ethical Hacking" on 15-02-2018.

# Faculty Achievements

- Mrs.C.Prema “**A Low Power Efficient N-MOS Based 1-BIT Full Adder**” International Journal of Innovation Research in Technology (IJIRT) FEB 2018, ISSN no; 2349-6002 vol 4 issue 9.
- Mrs.K.P.Keerthana “**Home Automation using WI-FI Incorporating IOT**” International Journal of Modern Trends in Engineering and Science (IJMTES) 2018, ISSN NO: 2348-3121.
- Mrs.K.P.Keerthana has been the “**Lifetime Membership Certification**” International society for research and development.
- Mrs.K.P.Shanmuga Priya “**Smart Asthma Patent Assist System USII and Android Technology**” International Journal of Innovative Research in Technology (IJIRT) FEB 2018.
- Mrs.K.P.Shanmuga Priya “**Techniques used for Detection of Selfish Nodes I Mobile AD HOC Networks**” International Journal of Research in Electronics (IJRE) in vol 5 Issue-4, 2018.
- Mr.A.Vellingiri “**FPGA Based Traffic sign detection with high Resolution Camera**” International Journal of Innovative Research in Technology (IJIRT) in vol 4 Issue-9, FEB 2018.
- Mr.R.Vishnuvinayagan “**Segmentation of Neo-Vascularization and Macula using GKFCM Technique**” International Journal for science and advance research in Technology (IJSART) in vol 4, Issue-2, FEB 2018.
- Mr.K.Sivaprakash “**Offline Database Access**” International Journal of New Technology and Research (Nextgen) in Vol 4, Issue-1, JAN 2018.
- Mr. K.S. Vinodh has conducted seminar on **Industrial Automation by Axis Global Automation** on 08/01/2018.

# Student Activities

## 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:

- **S.Sanjay** and team from II ECE- B have attended 5 days training programme conducted by Grad Valley Data Science in Big Data Developer Hadoop: spark
- **K.Anushia Devi** from III ECE-A has been awarded Pass with merit in the Business English Certificate preliminary in the 2017.
- **K.Anushia Devi** from III ECE-A has completed mini project in Arduino & PIC conducted at UNIQ Technologies.
- **C.Venkataramanan** from III ECE B has participated in “One day meet on Intellectual Property Rights-2018” in Bharathiar University.
- **J.Jenitta Monika and Team** from IV A have participated in the events of Paper Presentation in Kongu Engineering College in Mar’2017.

## Internship:

- **K.Anushia Devi** from III ECE-A has attended Internship for 7 days in Appin Technology lab, Coimbatore.
- **K.Anushia Devi** from III ECE-A has completed the internship in Embedded Systems in UNIQ Technologies.
- **H.Abhishek** from II ECE- A has completed internship in Rethink passion.

# PLACED STUDENTS

## AMAZON

Arun Vignesh.S

Ijaz Ahmed.U

Ragapriya.R

## KGiSL

Pranesh.R

Sowmya.R

## CANAPPROVE

Sandhra.J

Sangami.V

## HIROTEC

Nandhini.R

## IDBI FEDERAL

Barani.R

Guru Prashanth.P

Jenisha.S

Minisha.M

Pramitha.P.G

Priyanka P

Raghul B

Sangami.V

Sindhuja.K

VijayShanmugan.M

Akila.S

Hemashree.J

Somiya.N

## CTS

Somiya.N

Ragapriya.R

## VEE TECHNOLOGIES

Brindha.K

Harithaashri.R

Jenitta Monica.J

Kiruthika.R

Meena.C

Mohana Priya.V.M

Sajeetha.S

Sandhra.J

Sandhya.C

Seeneeshanmuga Prabha.R

Snehaa.S

Srinath.K

Swathi.D

Vishnu Kumar.U

Ishwarya.S

## BALSTECHNOLOGIES

Madhula devi.S

## STAR SYSTEMS

Sudarshini.S.V

## SUN E-SOFT

Minisha.M

Sajeetha.S

## FACE

Jenisha.S

Snehaa.S

Somiya.N

Sudarshini.S.V

## BETA

## TECHNOLOGIES

Brindha.K

Karthika.B

Sangami.V

Priya.S

Ishwarya.S

Sneha.S

Minisha.M

## HIKVISION

Guru prashanth.P

Vishnu kumar.U

## Student Achievement

**H.Abhishek** of II ECE A has identified as Coder DoJo Talented and gets achievement award.



## ALUMNI CORNER



**Mr.T.Guru Bharathi**  
**Mettler Toledo**  
**(2012-2016 Batch)**

*“I thank the institute and the faculty for all the efforts put in by them, along with the perseverance and right moves have paid off finally. All my batch mates are doing well in their respective jobs which reflect the quality of the students the institute has produced”*

