



EDITORIAL

Welcome to the “TECH HERALD” newsletter! Our prime aim of half yearly newsletter Publication is to bring report of all activities Happening at Department of Electronics and Communication Engineering,JIT for the Benefit of our students and alumni. In this Issue we have captured the thoughts of second Half of the academic year 2017-18. The Readers will appreciate the assortment of Topics from students participation in various Events and students placements in different firms. Also covers students participation in sports, institute Industry interactions and research spotlight. The Students corner highlights the achievements of Our students.Hope you enjoy the fare

TECH HERALD

NEWSLETTER

**DEPARTMENT OF ELECTRONICS
& COMMUNICATION ENGINEERING**

VOL-8 EVEN SEMESTER Feb-May 2017-18

EDITORIAL BOARD

Mr.Nagesh Kumar D.N
Asst. Professor

Mr.Madhukar M
Asst. Professor

**Aishwarya K V,
Tejashwini A & Meghana S**
6th Sem, ECE

PROGRAM VISION

TO BE A DEPARTMENT OF EXCELLENCE AT A GLOBAL LEVEL IN ELECTRONICS AND COMMUNICATION ENGINEERING EDUCATION, IN INCORPORATING RESEARCH & INNOVATION AND LEADERSHIP TRAINING COMPONENTS.

PROGRAM MISSION

THE DEPARTMENT WILL

- M1: STRIVE TO PROVIDE STATE OF ART INFRASTRUCTURE IN CLASSROOMS AND LABORATORIES
- M2: ENABLE ALL-ROUND DEVELOPMENT WITH INDIVIDUAL ATTENTION AND INNOVATIVE TEACHING-LEARNING METHODOLOGY
- M3: IMPART LEADERSHIP QUALITIES INTO THE STUDENTS BY EXPOSING THEM TO INDUSTRY AND RESEARCH IN GLOBAL ELECTRONICS AND COMMUNICATION ENGINEERING DOMAIN

COLLEGE ADDRESS:

Tataguni, off kanakapura road, Bengaluru-560082

www.jyothyit.ac.in

080-28435052

PAPER PRESENTATION:

Under the guidance of our department faculty, students have worked on **paper presentation** and project titled:

1. Mr. Shivasagar K I presented a paper on **SIRIBHUVALYA BASED TEXT ENCRPTION ALGORITHM** @ The International Conference Current Trends in Data Science and Virtualization, organized by VELS School of engineering on 5th and 6th April 2018
2. Mr. Adarsh Prabhakara, Mr. Shyam S Bharadwaj, Mr. Manoj, Ms. Archana V Marathe of 8th Semester ECE, under the guidance of Mr. Nagesh Kumar D N, Assistant Professor, presented a paper on implementation of **SIGN LANGUAGE TO SPEECH CONVERSION - AN ASSISTIVE SYSTEM FOR SPEECH IMPAIRED** @ National Conference on "Recent Advances in Engineering And Management", organized by Amruta Institute of Engineering and Management Science on 20th and 21st April 2018.
3. Mr. Sanath Kumar K Nadiger, Ms. Swathi M participated in the "National Level Inter College Project Exhibition & Competition Pratira-2K18, organized by Sambhram Institute of Technology on 4th May 2018

Mr. Sachin P Sharma, Mr. Karthik G of 8th Semester ECE, under the guidance of Mr. Madhukar M, Assistant Professor, presented a paper on **AN INTRUDER DETECTION SYSTEM TO AVOID PIGGYBACKING** @ National Conference on "Recent Advances in Engineering And Management", organized by Amruta Institute of Engineering and Management Science on 21st April 2018.

FUNDED PROJECTS

Projects sanctioned under the 41st series of Student Project Programme 2017-18 of KSCST.

•**DESIGN AND IMPLEMENTATION OF VASCULAR PATTERN RECOGNITION SYSTEM** Under the guidance of Mr. Guru Prasad M Bhat, lead by Ms. Chandana S B.

•**WIRELESS HEART RATE MONITORING SYSTEM WITH ECG ANALYSIS** Under the guidance of Mrs. Sumangala Gejje, lead by Mr. Pramod S Katti.

INDUSTRIAL VISIT TO KGTTI:

To encourage industry exposure, students are provided with internship opportunities in industries , the students of 6th semester, visited the Karnataka German Institute Technical Training Institute on 17th April 2018

ARM M3 Microcontroller for Embedded Applications :

(9th Feb – 11th Feb 2018)

Sponsored By Vasundhara Technologies, Bangalore.

The main objective of the Workshop is to provide a forum for faculty, researchers and PG students dealing with ARM CORTEX M3 evaluation board to fulfill the needs of Embedded controller lab of the revised 6th semester, CBCS syllabus of EC board by the VTU, Belagavi.

WORKSHOP ON PACKAGING:

G.V.Mahesh

Principal Research Scientist and Faculty Member
Electronics Systems Packaging Lab.
Dept of Electronics Systems Engg.
Indian Institute of Science ,
Bangalore. Workshop held on 4th April 2018.

The main objective of the Workshop is to provide a forum for students regarding System Packaging



LITERARY EVENTS

Department of Electronics has lead the LITERARY EVENTS during PRANATHI 2K18 - An Inter College Techno-Cultural Fest held at our institution from 22nd - 24th March 2k18 and hosted the events listed:

- DUMBCHARADES
- QUIZ
- JUST A MINUTE(JAM)
- DEBATE
- TURN A COAT
- ANTYAKSHARI

ELECTRO SWAGGERS:

Electro swaggers is the Technical Treasure Hunt Event conducted during PRANATHI 2K18 - An Inter College Techno-Cultural Fest held at our institution on 22nd March 2k18. The participants was given a hidden clue at the each stage of the event, at the end of which a circuit has to be debugged.