



# NEXUS

## HOD'S DESK



**Ms. ROSHINI TV**  
**ECE HOD**

Welcome all to the new edition of NEXUS, the department newsletter. As the academic year has just begun to ensure that our students get good opportunities once they move out of this college, various activities are being planned at the department level. Aptitude tests are being conducted for all the students in first, second and third year so that goal of a good placement stays fresh in their mind throughout their life here. Let us all work together to help our students materialize this goal. Wish you all a successful academic year!!

### Inside this issue:

|                      |   |
|----------------------|---|
| JYOTHIRGAMA-YA       | 2 |
| PROGRAMMES CONDUCTED | 2 |
| FACULTY ACHIEVEMENTS | 3 |
| ALUMINI INTER-ACTION | 3 |
| NEW FACULTY          | 4 |
| KNOWLEDGE CORNER     | 4 |

## VISION

To become a Technical Education Centre of Excellence in the field of Electronics and Communication Engineering and to attain international repute by becoming a trendsetter in the field.

## MISSION

To empower emerging engineers with state of art technology along with high patterns of discipline, nurture career improvement, and develop human and social intellectual qualities necessary for the successful practice of the profession.

*“Imagination is more important than knowledge. Knowledge is limited. Imagination encircles the world.”*

**- Albert Einstein**

*“The good thing about science is that it’s true whether or not you believe in it.”*

**- Neil deGrasse Tyson**

## JYOTHIRGAMAYA 2018



## PROGRAMMES CONDUCTED

- UPS and Inverter Field technician course was inaugurated in our college under PMKVY scheme.



- ASAP CCTV Technician course was completed successfully and the final assessment was conducted on 30 July 2018.



- S1 ECE Orientation Programme



Aptitude test was conducted for S1 ECE students and Ms. Roshini T.V. distributed the prizes to the winners (Malavika Victor and Dayanand K.)



- **Aptitude test winners S7 ECE:**

Vaishnav P.M, Arya Anilkumar, Namitha Theresa Jose and Swathi M.

**Congratulations to all the winners!!**

## FDP/TRAININGS ATTENDED BY FACULTY

- Ms. Linet K. attended TEQIP sponsored 5 day FDP on Analog and Mixed Signal design for CMOS Intelligent Sensors from Jul 9 – Jul 14, 2018 at NIT Calicut.
- Ms. Sini Simon M. attended 6 day training of trainer program from 16-Jul to 21-Jul, 2018 which was organized by ASAP (Additional Skill Acquisition Programme), as part of their latest project to set up Advanced skill development centres (ASDC) throughout the state.

## ALUMINI INTERACTION



## FACULTY ACHIEVEMENTS

- The DC Meeting of Mr. Vinod J. Thomas (part-time research scholar with KTU), was conducted in our college.
- Mr. Jobin Francis joined NIT Calicut as part-time research scholar.
- Ms. Anusha Chacko joined Karunya Institute of Technology and Sciences as part-time research scholar.
- Ms. Lekshmy S. cleared the PhD entrance test conducted by KTU and has been selected for interview and subject-wise test.



## WELCOME NEW FACULTY



**Mr. Sangeeth S.** – Completed M.Tech. (Signal Processing) from Kerala University in 2016. Before joining he was working as Asst. Professor at College of Engineering Chengannur.



**Mr. Jithin James** – Completed M.Tech (Communication Engg. & Signal Processing) from Kannur University in 2015. He had worked as Asst. Professor at Karpagam College of Engineering Coimbatore.

## FAREWELL TO SELVAMANI SIR



Congratulations sir, and we all wish you a successful career and life ahead!

## KNOWLEDGE CORNER

### Bendable battery to power future wearable devices and smartphones

Panasonic is developing a new bendable lithium-ion battery that can flex and twist, to power wearable devices and one day be used to develop flexible smartphones. Although it is still in the early stages of development, the battery has already been tested to withstand twists, bends and other deformations, while maintaining its ability to hold the charge. The regular lithium-ion battery used in smartphones currently will be degraded when it is deformed, thus shortening the device's operating time. The bendable battery uses a newly developed laminated outer body and internal structure that makes it difficult to leak or over-heat. With this new casing and internal wiring the battery is safer and more reliable for wearable devices (By Urmila Manoj, S5 ECE).

### Breakthrough in Electronics

**High-tech Stickers: Internet of Things** — Researchers have developed a new fabrication method that makes tiny, thin-film like electronic circuits peelable from a surface. The technique not only eliminates several manufacturing steps and the associated costs, but also allows any object to sense its environment or be controlled through the application of a high tech sticker.

## EDITORIAL BOARD

- Ms. SINI SIMON M - AP (Staff Coordinator)
- NIVED RAJEEV, S7 ECE (Student Coordinator)