



## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### NEWS LETTER

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## OUR VISION

Creating eminent and ethical leaders in the domain of Computational Sciences through quality professional education with a focus on holistic learning and excellence.

## OUR MISSION

- ◆ To create technically competent and ethically conscious graduates in the field of Computer Science and Engineering by encouraging holistic learning and excellence.
- ◆ To prepare students for careers in Industry, Academia and the Government.
- ◆ To instill Entrepreneurial Orientation and research motivation among the students of the department.
- ◆ To emerge as a leader in education in the region by encouraging teaching, learning, industry and societal connect.

## PROGRAMME OUTCOMES (POs)

Students in the programme at the time of their graduation are expected to possess the following capabilities:

1. Ability to apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
2. Ability to identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusion using first principles of mathematics, natural science, and engineering sciences.
3. Ability to design solutions for complex engineering problems and design system component or processes that meet specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. Ability to 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. Ability to create, reflect, and apply appropriate technique, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. Ability to apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and ethical issues and the consequent responsibilities relevant to the professional engineering practice.
7. Ability to understand the impact of the professional engineering solutions in societal and environmental context, and demonstrate the knowledge of, and need for, sustainable development.
8. Ability to apply ethical principles and commit to professional ethics and norms of the engineering practice.
9. Ability to function effectively as an individual, and as a member or leader in diverse teams, and in multi-disciplinary settings.
10. Ability to 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. Ability to 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 multi-disciplinary environments.
12. Ability to recognize the need for, and have the preparation and ability to engage in independent life-long learning in the broadest context of technological change.

## PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

- ◆ The graduates shall have sound knowledge of Mathematics, Science, Engineering and Management to be able to offer practical software and hardware solutions for the problems of industry and society at large.
- ◆ The graduates shall be able to establish themselves as practicing professionals, researchers or Entrepreneurs in computer science or allied areas and shall also be able to pursue higher education in reputed institutes.
- ◆ The graduates shall be able to communicate effectively and work in multi-disciplinary teams with team spirit demonstrating value driven and ethical leadership.

## EDITORIAL BOARD

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## ACTIVITIES

Code in association with CESA organized a one day workshop, 'Introduction to Programming', on 3rd of March 2018. The workshop sessions were handled by Fr. Dr. A K George



CESA: The Computer Engineering Students Association (CESA) and Computer Society of India Students Chapter (CSI) of Jyothi Engineering college jointly organized a one-day Workshop on "Experiments for Young Engineers and scientists (ExpEYES)". ExpEYES is an ongoing research project at Inter University Accelerator Centre, New Delhi. Dr B.P. Ajith Kumar, Scientist H at IUAC who designed and developed ExpEYES was the lead speaker.



## ACHIEVEMENTS

Ms Aswathy Wilson & Ms Himadharidas (S4 M Tech) got Best Paper Award titled "An artificial intelligence approach for predicting stroke disease in KETCON hosted by Sahodaya College of Engineering.

Ms Namitha T N, Mr. Shajju Paul and Ms Snitha Thomas participated 5 days FDP on Theory of Computation at Vidya Academy of Science and Technology during 16th to 21st of April 2018.

Ms Ninu Francis and Ms Reshma K V participated 5 days FDP on Theory of Computation at Universal Engineering College from 21<sup>st</sup> to 26<sup>th</sup> May 2018.

Mr Anesh Chandran and Mr Bineesh M attended 7 days FDP on "ARM based embedded system development" at NIT Calicut from 17<sup>th</sup> -23<sup>rd</sup> June 2018.

Ms Jisna V A achieved 100% result in KTU S5 examination for the subject Graph Theory and combinatorics

## WITBYTE



## TECHBYTE

### Cybersquatting:

Cybersquatting is registering, selling or using a domain name with the intent of profiting from the goodwill of someone else's trademark.

It generally refers to the practice of buying up domain names that use the names of existing businesses with the intent to sell the names for a profit to those businesses.

## THOUGHT BYTE



**Computer Science is no more about Computers than Astronomy is about Telescopes.**

————— Edsger Dijkstra —————

## ACHIEVEMENTS..

Project entitled ' **Integrated Speed Tracking and Toll Management System** ' of S8 CSE A students, Ailen Francis Antony, Amold Anto, Deepa Rajendran, Jinu Jose, Keerthana Sasikumar has provisionally approved for financial assistance under **INNOVATE scheme of KSCSTE 2018** under the guidance of Divya Menon.

M.s.Hima Haridas of S4 M Tech got **Best Paper Award** titled "**Artificial intelligence approach for predicting stroke disease**" under the guidance of M.s.Aswathy Wilson in **KETCON** hosted by Sahradaya College of Engineering

Shijith M S, N Rahul, Tenwin James, Roy Eluvathingal, Mathews of S4 CSE B presented their project titled "**Agni**" in **KETCON** hosted by Sahradaya College of Engineering.

Catherine Anto, Asna Nasreen, Binimiriya of S6 CSE A got second prize for their product "**LYZA for women**" guided by M.s.Aswathy Wilson in **International Women Hackathon 2018**.

Linta, Susmitha and Athira of S8 CSE qualified **GATE Examination 2018**

Arya Menon of S4 CSE A got **Microsoft Intemshala Student Partnership**



The idea "**Tiny Bits-a robot for introducing coding to students**" presented by

Anand Murali, Jeena Varghese, Adwait K V, Archana Venugopal got prototype fund of **75K** from **IDEA FEST 2018**



Shijith M S, N Rahul, Tenwin James, Roy Eluvathingal, Mathews of S4 CSE B has provisionally approved for financial assistance under **INNOVATE scheme of KSCSTE 2018** under the guidance of Anil Antony.



Surya R, Noel Vincent and Vishnu K of S6 CSE B got **2<sup>nd</sup> prize** for **Ibeto grand finale** conducted by Govt. Model Engineering College, Thrikkakara.



Vishnu K and Noel Vincent has presented their project "**KAVACH - A smart security watch for women and children**" in **Smart India Hackathon** held at Pune.



Noel Vincent secured **third prize in Idea Hackathon** held under the banner of IEDC at Vidya Engineering College



Anirudh Rajan participated in **Startup i3** at EKCTC and **FOSS MEET 18** at NIT Calicut.



Catherine Anto and Asna Nesry of S6 CSE A got selected for the **Startup Mentorship Program 2018** held at AICTE New Delhi.

## PLACEMENTS

Anagha, Aishwarya, Joe of S8 CSE A and Sanoop, Aishwarya of S8 CSE B **placed in AMAZON**

Edwin Lingson and Athira Li of S8 CSE A got **placed in KPIT**

Ashamurali of S8 CSE A has been selected by **Image Info Systems Pvt Ltd**