



# Jyothi Engineering College

Approved by AICTE & Affiliated to Kerala Technological University  
A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR  
JYOTHI HILLS, VETTIKATTI P.O., CHERUTHURUTHY, TRISSUR PIN - 679691. TEL: +91 - 4884 - 274198, 274429 FAX : 04864 - 274777  
www.jecc.ac.in | E-mail : info@jecc.ac.in

## Department of Computer Science & Engineering

Volume 3, Issue 1

N E W S L E T T E R

January – May 2015

### 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 , academic 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 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 multidisciplinary teams demonstrating value driven and ethical leadership .

### PROGRAMME OUTCOMES (POS) :

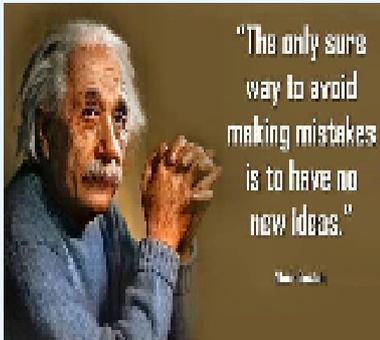
Graduates in the programme at the time of their graduation are in possession of:

- a) An ability to apply knowledge of mathematics, computing, science and engineering.
- b) An ability to design and conduct experiments, as well as to analyze and interpret data.
- c) An ability to design and construct a hardware and software system, component, or process to meet desired needs, within realistic constraints.
- d) An ability to function on multi-disciplinary teams.
- e) An ability to identify, formulate, and solve engineering problems.
- f) An understanding of professional, social and ethical responsibility.
- g) An ability to communicate effectively.
- h) The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
- i) A recognition of the need for and an ability to engage in life-long learning.
- j) A knowledge of contemporary issues.
- k) An ability to use the techniques, skills, and modern engineering tools necessary for professional practice.

**WITBITE**



**THOUGHT BITE**



**EDITORIAL BOARD**

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Alfin Lawrence, S4 CSE

Snitha Thomas, Trade Instructor

**ACTIVITIES :**

Students of CSE department attended webinar conducted by ICT Academy of Kerala on 16<sup>th</sup> January 2015 and 21<sup>st</sup> January 2015 respectively.

GATE FORUM coaching centre gave a motivation class to the S4,S6 students under the banner of CESA on 20<sup>th</sup> January 2015.

Mr.Rakesh K, Mr. Marzooqe Moideen, Mr. M. C. Gokul, Mr. Nikil T. N and Mr. Robin of S6 IT attended a workshop on " Cloud and windows azure" conducted by Microsoft Hyderabad unit at Dr. NGP College, Coimbatore on 6<sup>th</sup> and 7<sup>th</sup> of March 2015.

**INDUSTRIAL VISITS:**

Students of S6 CSE accompanied by Mr. Anil Antony (AP, CSE) and Ms. Rigi C.R (AP, CSE) visited Digital Transmission Station, **BSNL, Eranakulam** on 7th March 2015.



S6 CSE

Students of S6 IT accompanied by Mr. Majo John (AP, CSE) and Ms. Diana Davis (AP, CSE), visited **KAMCO** on 24<sup>th</sup> March 2015.



S6 IT

Students of S8 CSE Industrial Visit – from 15/02/2015 to 21/02/2015 – 50 students along with two staffs & two parents visited **KSDL, Bangalore, ACE Computers, Mysore**. They went for sight seeing at Hyderabad, Bangaluru, Coorg, Mysore.



S8 CSE

Students of S8 IT accompanied by Mr. Bineesh M (AP, CSE) and Ms. Diana Davis (AP, CSE), visited **Syrus Ventures** (Hyderabad) and HCL Technologies (Bangaluru) on 17<sup>th</sup> February 2015 and 20<sup>th</sup> February 2015 respec-



S8 IT

Mr. Viju Shankar, AP, CSE qualified in the GATE Examination 2015.



**RESULT ANALYSIS**

Semester	Pass	University Position	Class Topper
S1 & S2 CSE A	66	6 <sup>th</sup>	Anumol (8.89)
S4 CSE	47.54	11 <sup>th</sup>	Minara P Anto (8.3)
S4 IT	81.81	1 <sup>st</sup>	Manju B menon (8.36)
S6 CSE	92.31	2 <sup>nd</sup>	Soorya M (8.95)
S6 IT	80	4 <sup>th</sup>	Maria Flower Wilson(8.29)

## PAPER PRESENTATIONS

Ms. Tessa Jose and Ms. Thasviya of S6 CSE presented a paper on Alan Turing in a conference at Avanza'15- Inspiring Lives in Computer Science & Engineering was held on 21st of February 2015 organized by the Department of Computer Science & Engineering, Albertian Institute of Science and Technology, Ernakulam.

Ms. Tessa Jose and Ms. Sneha Thomas, S6 CSE presented a paper on the topic Modern Trends in Computer technology at an event conducted as a part of tech fest at Thejus Engineering College, Vellarakkad, Thrissur on 11th March 2015

Ms. Niji Devassy, Mr. Sreenath V S8 CSE Students, Ms. Aswathy Wilson AP, CSE published the paper titled "Security using Armstrong Number and Authentication using Colour" in International Journal of Advanced Research in Datamining and Cloud Computing volume 3, issue 2, February 2015.

Ms. Pinky Paul M.Tech 2<sup>nd</sup> year, Mr. Thomas George AP, CSE presented the paper titled "An Effective Approach for Human Activity Recognition on Smart Phone" in IEEE International Conference on Engineering & Technology on 20<sup>th</sup> March 2015 at Rathinam Technical Campus, Coimbatore.

Ms. Merin Jos, Ms. Shilpa George, Ms. Vinaya k Viswanath S8 CSE Students, Mr. Thomas George K AP, CSE published the paper titled "Mobitrack: a Comparative Study on Android Mobile Tracking" in International Journal of Advanced Research in Information and Communication Engineering Volume 3, Issue 2, February 2015.

Ms. Annmary John, Ms. Veena P V S8 CSE Students, Ms. Jyothis T S AP, CSE published the paper titled "Comparative Study on Packet Filtering Mechanisms" in International Journal of Advanced Research in Information and Communication Engineering Volume 3, Issue 2, February 2015.

Ms. Soorya M, Mr. Joice Joseph, Mr. M K Arun S8 CSE Students, Ms. Jyothis T S AP, CSE published the paper titled "Datapacket Filtering Mechanism for Networks" in International Journal of Advanced Research in Information and Communication Engineering Volume 3, Issue 2, February 2015.

Ms. Jyothi P. Joy M.Tech 1<sup>st</sup> year, Ms. Jyothis T.S AP, CSE published the paper titled "Security For Smartgrid Communications" in International Journal of Engineering & Science Research Jan 2015/ Vol-5/Issue-1/66-70

Ms. Feon Jaison M.Tech 2<sup>nd</sup> year, Ms. Seenia Francis AP, CSE presented the paper titled "An Acknowledgement based Instruction Detection System for MANETS" in IEEE International Conference on Engineering & Technology on 20<sup>th</sup> March 2015 at Rathinam Technical Campus, Coimbatore.

Ms. Nirosha Antony M.Tech 1<sup>st</sup> year, Ms. Seenia Francis AP, CSE published the paper titled "Driving Directions with the GPS" in International Journal of Engineering & Science Research December 2014/ Vol-4/Issue-12/984-988

Ms. Supriya Jose M.Tech 1<sup>st</sup> year, Mr. Anil Antony AP, CSE published the paper titled "Updated Bus Timetable in Mobile Phone Independent of any Bus Companies" in International Journal of Engineering & Science Research December 2014/ Vol-4/Issue-12/992-995

Mr. Sooraj Antony, Mr. Manu David S8 CSE Students, Mr. Anil Antony AP, CSE published the paper titled "Arduino Shield Based Energy Efficient- Globally Controllable Home Automation System" in International Journal of Advanced Research in Computer Science and Applications volume 3, issue 2, February 2015.

Ms. Neethu.K.S, Ms. Jisna C Kuriakose, Ms. Ann Maria Antony S8 CSE Students, Mr. Anil Antony AP, CSE published the paper titled "A Step Towards Better Home Automation using Different Wireless Technologies" in International Journal of Advanced Research in Information and Communication Engineering Volume 3, Issue 2, February 2015.

Ms. Linnet Tomy M.Tech 1<sup>st</sup> year, Ms. Namitha TN AP, CSE published the paper titled "SECURITY DISPLAY SYSTEM" in International Journal of Engineering & Science Research December 2014/ Vol-4/Issue-12/989-991.

Ms. Swathy M Sony M.Tech 1<sup>st</sup> year published the paper titled "Secure Hybrid Mobile Application Containers" in International Journal of Scientific & Engineering Research, Volume 5, Issue 11, November-2014.

Mr. Arun K M.Tech 1<sup>st</sup> year, Ms. Rigi CR AP, CSE published the paper titled "Game Theoretic Approach for Network Security" in International Journal of Engineering & Science Research Jan 2015/ Vol-5/Issue-1/1-4

Ms. Shaleena M.Tech 2<sup>nd</sup> year , Mr. Shaiju Paul AP, CSE presented the paper titled "Data Mining Techniques for Predicting Student Performance" in IEEE International Conference on Engineering & Technology on 20<sup>th</sup> March 2015 at Rathinam Technical Campus, Coimbatore.

Ms. Aparna U.R M.Tech 1<sup>st</sup> year, Mr. Shaiju Paul AP, CSE published the paper titled "An Analysis Through The Available Data Mining Procedures With Big Data" in International Journal of Engineering & Science Research December 2014/ Vol-4/Issue-12/972-975

Ms. Anna Varghese, Ms.Roshmy George, Ms.Swathi Anil S8 CSE Students, Mr. Shaiju Paul AP, CSE published the paper titled "Comparitive Study on Internet Radio using Raspberry Pi" in Journal of Environmental Science, Computer Science and Engineering & Technology March 2015-May 2015; Sec. C Vol.4.No.2, 201-206.

Mr. Abin Roy , Ms. Anna Varghese, Mr. Joel Raju S8 CSE Students, Mr. Shaiju Paul AP, CSE published the paper titled "Next Generation Internet Radio" in Journal of Environmental Science, Computer Science and Engineering & Technology March 2015-May 2015; Sec. C Vol.4.No.2,135-139.

Ms. Gowri Prasad M.Tech 2<sup>nd</sup> year , Ms. Fousiya K K AP, CSE presented the paper titled "Named Entity Recognition Approaches: A study applied to English & Hindi Language" in IEEE International Conference on Circuit , Power & Computing Technology 2015 at Noorul Islam University, TamilNadu.

Mr. Bobin jose, Mr. Jerrin James S8 CSE Students, Ms. Fousiya K K AP, CSE published the paper titled " A Method for Automatic Caption Generation of Images" in International Journal of Advanced Research in Datamining and Cloud Computing volume 3, issue 2, February 2015.

Ms. Gayathri A, Ms. Christina Chacko S8 CSE Students, Ms. Fousiya K.K AP, CSE published the paper titled "Automatic Caption Generation for Images: A Review" in International Journal of Advanced Research in Computer Science and Applications volume 3, issue 2, February 2015.

Ms. Seethal S, Ms. Sahana PS, Ms. Neena S of S6 CSE presented a paper titled "Web proxy Distributed Denial of Service attack detection by Hidden Markov Model" in the " International conference ICETSCSS 2015" conducted by Royal college of engineering, Thrissur on 27<sup>th</sup> & 28<sup>th</sup> March 2015

Ms. Indhu Ashok , Ms. Ramya K of S6 CSE presented a paper titled "Intrusion detection using neural network" in the " International conference ICETSCSS 2015" conducted by Royal college of engineering, Thrissur on 27<sup>th</sup> & 28<sup>th</sup> March 2015.

Ms. Shaina Paulson, Ms. Veena PC, Ms. Nivya Johny of S6 CSE presented a paper titled "Novel network security management system for DoS using data mining" in the " International conference ICETSCSS 2015" conducted by Royal college of engineering, Thrissur on 27<sup>th</sup> & 28<sup>th</sup> March 2015.

Ms. Minara P Anto, Ms. Marybet Davis, Ms. Muhsina K M of S6 CSE presented a paper titled "Novel energy efficient routing protocol in WSN" in the " International conference ICETSCSS 2015" conducted by Royal college of engineering, Thrissur on 27<sup>th</sup> & 28<sup>th</sup> March 2015.

Ms. Thasviya Haroon, Ms. Tessa Jose of S6 CSE presented a paper titled "Novel energy efficient routing protocol in WSN" in the " International conference ICETSCSS 2015" conducted by Royal college of engineering, Thrissur on 27<sup>th</sup> & 28<sup>th</sup> March 2015.

Ms. Saranya T.G, Ms. Krishnapriya M A, Ms. Greeshma P Y, Mr. Jerry Joe (S8 IT) and Ms. Jisna V. A(Guide, AP, CSE), Published a paper on "Graphical Password Authentication using Cued Click Points" in International Journal of Computer Science (IJCS), January 2015 , volume 02, issue 12.

Ms. Aiswarya Raj, Ms. Meenu Manoharan, Mr. Melbin Alex, Ms. Pravya Prasad (S8 IT) and Mr. Majo John(Guide, AP, CSE) , Published a paper on "Machine Log in monitoring and tracking security system " in International Journal of Computer Science (IJCS), January 2015 volume 02, issue 12 .

Ms. Ajisha John, Ms. Keerthi K B, Ms. Meenu Manoharan, (S8 IT) and Ms. Diana Davis(Guide, AP, CSE), Published a paper on "Data security through Armstrong number and colors" in International Journal of Computer Science (IJCS), January 2015 volume 02, issue 12 .

Ms. Ajisha John, Ms. Revathy Menon, Ms. Sini Jacob(S8 IT), and Ms. Diana Davis(Guide, AP, CSE) , Published a paper on "Secure Banking System using Multifactor authentication" in International Journal of Computer Science (IJCS), January 2015 volume 02, issue 12 .