Jyothi Engineering College
Approved by AICTE & Affiliated to APJ Abdul Kalam Technological University
A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR
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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 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.

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 with team spirit demonstrating value driven and ethical leadership.

EDITORIAL

Chief Editor

Prof. M. T Rajappan Pillai, HOD

Sub Editor

Kumary R Soumya , Assistant Professor

Executive Members

Divya Jose, S4 MTech

Sanjo Simon, S8 CSE

Saranya T G, S8 IT

Alfin Lawrence, S6 CSE

Lipin Pius, S4 CSE

Snitha Thomas, Trade Instructor

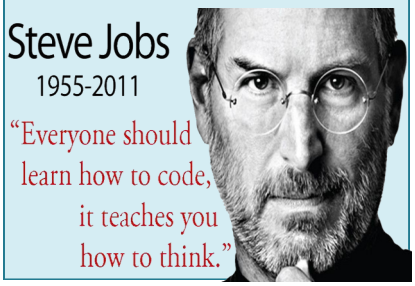
WITBYTE

TECHBYTE

Mood board:

Collection of content showing the visual style for a website including color palette, images, icons, fonts, etc.

THOUGHTBYTE



ACTIVITIES

On Jan 12th and 13th department held a two day workshop on **Hadoop and R Programming**. Resource persons were **Dr. S P Syed Ibrahim** (Professor , VIT, Chennai) and **Mr. Thulsi Prasad** (Asst. Professor , VIT, Chennai).

P Suresh, Senior Research Fellow in IIT Madras delivered a talk on **Artificial Intelligence in Robotics** on 11th February 2016 which was jointly organized by **CESA and CSI**.

CESA organized a talk which was delivered by **Mr. Jain** (CCNA programmer) held on the topic **"Networking at a glance"** was on 29th March 2016. The talk was for S4 and S6 students of the department. All are actively participated.

Mr. Anil Antony, Ms. Aswathy Wilson, Mr. Dany Varghese and Mr. Shaiju Paul of Computer Science and Engineering Department. attended **High Performance Computing workshop** in College of Engineering, Thiruvananthapuram

The Dept. of CSE conducted an International Conferences **on Recent Advances in Computer Science & Engineering** in association with **CSI on 18th & 19th April 2016.**
The programme was inaugurated by **Dr. Prahlad Vadakkepat,** National University of Singapore and delivered a talk on **Robotics - Embodied cognition and making man out of machines**.
38 papers were presented in two different panels chaired by **Dr. Vince Paul, Dr. C K Raju & Prof Aneesh Abraham.**

Department organized a sendoff meeting to **Mr. Viju Shankar & Ms. Kumari R Soumya** who have applied for resignation for taking up government job

Mr. Thomas George, Mr. John Paul Martin, Mr. Anil Antony, Ms. Divya M Menon, Ms. Diana Davis, Mr. Aneesh Chandran, Mr. Bineesh M,Ms. Sobha Xavier, Ms. Jisna V A, Ms. Seenia Francis participated in 2 day workshop on **Internet of Things** conducted by IEDC JECC.

ACHIVEMENTS

Ms. Aswathy Wilson and Ms. Sobha Xavier with the help of **Mr. Shaiju Paul** developed a software for **Result Analysis** as part of their TBI work.

Ms. Divya M Menon acquired Best Paper Award in the IEEE international conference on **'Circuit, Power and Computing Technologies-2016'** for paper titled **"Anomaly Detection in Smart Grid Traffic Data for Home Area Network"** at Noorul Islamic University, Kanyakumari

Mozilla Firefox Student Ambassador selected **Ms. Sona S** from S6 CSE B as Student Administrator.

Mr. Ashith Wilson of S6 CSE A was a member of Jyothi Team that won the first prize in **TECHLATON** at Technopark, Thiruvananthapuram.

Tessa Jose and Leenat Chacko from S8 CSE , and **Reshma K R** from S2 MTech are GATE qualified in the year 2016.

Ms. Neethu K.S S2-M.Tech acquired **Best Paper Award** in the IEEE international conference on **'Circuit, Power and Computing Technologies-2016'** for paper titled **"Text Classification Using KM-ELM Classifier"** at Nooral Islamic University, Kanyakumari.

Tessa Jose, Angel Maria Paul, Ajina Assisi, Justin Paul and Joe Mathew of S8 CSE under the guidance of **Ms. Kumary R Soumya** owned **First Prize** in **VIBHAVANA** at Jyothi Engineering College for their paper **"Beaconholic an efficient for location sensing iOS Application using IOT"**.

Manju B Menon of S8 IT has presented a paper **"Red Tacton"** at Thejus Engineering College, Vellarakkad and won **Third prize** for the same.

Paper Presentation/Publication

1. **Mr. Arun.K, Ms. Divya Jose, Ms. Nirosha Antony and Ms.Soniya Joseph** participated in poster publication and **Ms. Aparna U.R, Ms.Jyothi P Joy, Ms. Supriya Jose, Ms. Swathy M Sony, Ms. Swathy Ramadas** of second year MTech participated in Oral presentation in the Kerala Science Congress on 28th 29th and 30th of January 2016 at Calicut University Campus.

2. **Ms. Jyothsna G K (S4 M.Tech CSE)** published a paper titled **"Assisting Document Annotation using a Data Sharing Platform"**, under the guidance of **Ms. Aswathy Wilson** in IEEE International Conference at Karpagam Engineering College, Coimbatore on 8th January 2016 .

3. **Ms. Supriya Jose (S4 M.Tech CSE**) Wilson presented a paper titled **"Detecting waterborne pathogens using a mobile and a DNA sensor",** under the guidance of **Mr. Anil Antony** in IEEE International Conference at Karpagam Engineering College, Coimbatore on 8th January 2016 .

4. **Leenat Chacko C, Tania Pius, Arun Rappai C, Alwin Vincent of S8 CSE** presented their paper titled **"Mobrobo"** under the guidance of **Ms. Rigi C R** in ICHCI'16 at Saveetha School of Engineering, Chennai.

5. **Naija T C, Hasna Benny, Neenu Davis, Maikandan K S of S8 CSE** presented their paper titled **"A Novel Architecture for Prediction based tariff in home area network for smart grid"** under the guidance of **Ms. Divya M Menon** in ICHCI'16 at Saveetha School of Engineering, Chennai.

6. **Minara P Anto, Muhsina K M, Nivya Johny, Vinay James, Mejo Antony of S8 CSE** presented their paper titled **"Product rating using sentimental analysis"** under the guidance of Ms. Aswathy Wilson in ICEEOT at DMI college of Engineering, Chennai.

7. **Tessa Jose, Angel Maria Paul, Ajina Assisi, Justin Paul, Joe Mathew of S8 CSE** presented their paper titled **"Beaconholic an efficient for location sensing iOS Application using IOT"** under the guidance of **Ms. Kumary Soumya** in ICEEOT at DMI college of Engineering,Chennai

8. **Sanjo Simon, Thasviya Haroon, Neena S, Krishna Prasad K K, Rejoice Wilson of S8 CSE** presented their paper titled **"Convival Private Cloud implementation using open cloud"** under the guidance of **Mr. John Paul Martin** in ICEEOT at DMI college of Engineering, Chennai

9. **Athira S, Radwin Raphel, Frangly Francis, Snohy Porinchu, Sachin N S of S8 CSE** presented their paper titled **"Smart Mirror a Novel Framework for Interactive Display"** under the guidance of **Ms. Seenia Francis** in ICCPCT at Nooral Islam University, Kanyakumari

10. **Indhu Ashok, Gijo Varghese, Shaina Paulson, Sreemon K S, Liyanto P J of S8 CSE** presented their paper titled "**Website code analysis and optimizer**" under the guidance of **Mr. Shaiju Paul** in ICETECH at Rathinam College of Engineering, Coimbatore.

11. **Majes George, Dalwin C D, Anitta Annie Alex, Aju J Antony of S8 CSE** presented their paper titled **"Intelligent Policing System"** under the guidance of **Ms. Swapna B Sasi** in ICETECH at Rathinam College of Engineering, Coimbatore.

12. **Priyatha Mathew, Reshma R, Naveena Varghese, Roniya Jose, Joseph Chackola** of S8 CSE presented their paper titled **"Coder Hub"** under the guidance of Mr. Thomas George in ICCPCT at Nooral Islam University, Kanyakumari.

13. **Seethal S, Sahana P S, Sneha Thomas, Jovis Joseph of S8 CSE** presented their paper titled **"Design of Virtual Headset using augmented reality "** under the guidance of **Mr. Rajappan Pillai** in ICEEOT at DMI college of Engineering, Chennai .

14. **Shalince Dominic, Aswin S Nath, Mahesh Mohan, Ajeesh M S, Aprna C of S8 CSE** presented their paper titled **"Review of Face Detection System "** under the guidance of **Mr. Viju Shankar** in ICEEOT at DMI college of Engineering, Chennai .

15. **Veena P C, Hima Haridas, Ramya K, Riya Joju, Paulsy Tharakan of S8 CSE** presented their paper titled **"Review of Face Detection System "** under the guidance of **Mr. Viju Shankar** in ICCPCT at Nooral Islam University, Kanyakumari.

16. **Sona S, Swathi K Sukumaran of S6 CSE** presented their paper titled **"Prediction & Diagnosis of Diabetes Using Data Mining Integration"** under the guidance of **Ms. Reshma K V** in IEEE 3rd International Conference On Innovations In Informatiion Embedded And Communication System in ICCEECON'16 at Christ Knowledge City, Karpagam College of Engineering College,Coimbatore and in Thejonmaya at Thejus Engineering College.

17. **Swathy Ramadas S4-M.Tech** presented the paper titled **"An Approach of Pattern Recognition for mining sensor data in WSN "** under the guidance of **Mr. Aneesh Chandran** in IEEE 3rd International Conference On Innovations In Information Embedded And Communication System at Karpagam College of Engineering College, Coimbatore.

18. **Soniya Joseph S4-M.Tech** presented the paper titled **"Performance Evaluvation of Damgard Jurik and Blowfish algorithm in SG System"** under the guidance of **Ms. Divya M Menon** in IEEE 3rd International Conference On Innovations In Informatiion Embedded And Communication System at Karpagam College of Engineering College, Coimbatore.

19. **Divya Jose S4-M.Tech** presented the paper titled **"Double stage crawler for efficient retrieval of deep web interfaces"** under the guidance of **Ms. Divya M Menon** in IEEE 3rd International Conference On Innovations In Information Embedded And Communication System at **Karpagam College of Engineering College**, Coimbatore.

20. **Divya Jose S4-M.Tech** presented the paper titled **"Efficient domain specific2 step crawler to identify hidden data inside the web"** under the guidance of Ms. Divya M Menon in ICETECH at Rathinam College of Engineering, Coimbatore.

23. **Harsha T D S4-M.Tech** presented the paper titled **"Structure Description From Visual Orientation"** under the guidance of **Ms. Fousiya K K** in ICETECH at Rathinam College of Engineering, Coimbatore.

24. **Harsha T D S4-M.Tech** presented the paper titled **"Visual Orientation and Structure Description of an Image"** under the guidance of **Ms. Fousiya K K** in IEEE 3rd International Conference On Innovations In Information Embedded And Communication System at Karpagam College of Engineering College, Coimbatore.

25. **Swathy M Sony S4-M.Tech** presented the paper titled **"Trust based on On-Off attack management"** under the guidance of **Ms. Swapna B Sasi** in ICETECH at Rathinam College of Engineering, Coimbatore.

26. **Swathy M Sony S4-M.Tech** presented the paper titled **"On-Off attack management based on trust"** under the guidance of **Ms. Swapna B Sasi** in IEEE 3rd International Conference On Innovations In Information Embedded And Communication System at Karpagam College of Engineering College, Coimbatore.

Contd.

RESULT ANALYSIS

Batch	Semester	Result Percentage
2012-2016 CS	S6	88.52
2012-2016 IT	S6	93.33
2013-2017 CS	S4	60.82
2015-2019 CS	S1	40.5

TOPPERS

Class	Name	SGPA
S6 CS	Minara P Anto	9.21
S6 IT	Jisna P J	8.91
S4 CS	Fraceena Francis	8.54

27. **Aparna.U.R S4-M.Tech** presented the paper titled **"Feature Selection Mechanism in Data Mining"** under the guidance of **Mr. Shaiju Paul** in ICETECH at Rathinam College of Engineering, Coimbatore.

28. **Aparna.U.R S4-M.Tech** presented the paper titled **"Feature Selection and Extraction in Data mining"** under the guidance of **Mr. Shaiju Paul** in IEEE 3rd International Conference On Innovations In Information Embedded And Communication System at Karpagam College of Engineering College, Coimbatore.

29. **Linnet Tomy, S4-M.Tech** presented the paper titled **"Secure Transmission Of Data Through Encrypted Images Using Reversible Data Hiding"** under the guidance of **Ms. Namitha T N** in ICETECH at Rathinam College of Engineering, Coimbatore.

30. **Linnet Tomy, S4-M.Tech** presented the paper titled **"Secure Data Transmission Through Reversible Data Hiding"** under the guidance of **Ms. Namitha T N** in IEEE 3rd International Conference On Innovations In Information Embedded And Communication System at Karpagam College of Engineering College, Coimbatore.

31. **Supriya Jose, S4-M.Tech** presented the paper titled **"Mobile Robot Remote path planning and motion control in a maze environment"** under the guidance of **Mr. Anil Antony** in ICETECH at Rathinam College of Engineering, Coimbatore.

32. **Supriya Jose, S4-M.Tech** presented the paper titled **"Algorithm based motion control of a robot"** under the guidance of **Mr. Anil Antony** in IEEE 3rd International Conference On Innovations In Information Embedded And Communication System at Karpagam College of Engineering College, Coimbatore.

33. **Soumya Rajan, S4-M.Tech** presented the paper titled **"Intelligent database driven Reverse dictionary"** under the guidance of **Ms. Kumari R Soumya** in IEEE 3rd International Conference On Innovations In Information Embedded And Communication System at Karpagam College of Engineering College, Coimbatore.

34. **Jyothi P Joy, S4-M.Tech** presented the paper titled **"Secure Authentication Using Cogntitive Scheme"** under the guidance of **Ms. Jyothis T S** in ICETECH at Rathinam College of Engineering, Coimbatore.

35. **Jyothi P Joy, S4-M.Tech** presented the paper titled **"Secure Authentication"** under the guidance of **Ms. Jyothis T S** in IEEE 3rd International Conference On Innovations In Information Embedded And Communication System at Karpagam College of Engineering College, Coimbatore.

36. **Manju B Menon, Dincy Dominic C, M. C Gokul, Ladlie Dias of S8 IT** had presented their project entitled **" Automatic Subtitle Generation"** under the guidance of **Ms. Reshma K V** at Thejus Engineering College, Vellarakkad.

37. **Manju B Menon, Leyo Janko, Annmol Tony of S8 IT** has presented their project entitled **"Red Tacton"** under the guidance of **Mr. Bineesh M** at Thejus Engineering College, Vellarakkad.

38. **Robin P. J, Abhirami N. U, Amenda Eliza Paily, Blessy Alexander** of S8 IT had presented their project entitled **"Voice controlled Smart Home with interactive system"** under the guidance of **Mr. Bineesh M** as Shristhi Project Expo held at Jyothi Engineering College, Cheruthuruthy.

39. **Ms. Roshmy Geoge S2-M.Tech** presented the paper titled **"Artherosclerosis risk assessment using Reynold Risk Score"** in IEEE international conference on 'Circuit, Power and Computing Technologies-2016' at Nooral Islamic University, Kanyakumari

40. **Ms. Susan Shaju S2-M.Tech** presented the paper titled "**Survey on Computer Aided Technique for Diagnosing Alzheimer"** in IEEE international conference on 'Circuit, Power and Computing Technologies-2016' at Nooral Islamic University, Kanyakumari

PLACEMENT

NAME	CLASS	COMPANY	ON/OFF CAMPUS
Athira S, Leenat Chacko	S8 CSE	SLK Software	On Campus
Betson Antony, Justine Paul Radwin Raphael, Rejoice Wilson	S8 CSE	Eureka Forbes	Off Campus
Tessa Jose, Seethal S	S8 CSE	TCS	Off Campus
Dalwin C D	S8 CSE	Sutherland Global Servces	On Campus
Krishnaprasad K K, Nivya Johny Paulsy Tharakan	S8 CSE	Spatez	On Campus
Ladlie Diaz	S8 IT	Poornam, Sutherland Global Services	Off Campus On Campus
Anmol Varghese, Annmol Tony Harisree Sudarshan, Shincy Anto	S8 IT	Sutherland Global Services	On Campus