



## THARANG|2019

The Techno cultural fest **THARANG-19** was inaugurated by the Honorable Minister for Agriculture **Adv. V. S. Sunil Kumar** on 23<sup>rd</sup> February 2019 at Sakhan Nagar, Thrissur. Srishti 19, a National Level Project exhibition and competition in association with tharang 19 was also held in Sakhan Nagar, Thrissur for the seventh time on 23.02.19 & 24.02.19. The program aimed to provide a platform for creative minds to showcase various innovative and revolutionary ideas and compete with their counter parts contributing constructively to the existing knowledge base.

## ALUMNI CORNER INAUGURATION

Inauguration of the **Alumni Corner** was held on 25.03.2019 at the Alumni Corner by the Chief Guest **H.G. Mr. Jacob Thoomkuzhi** (Founder Patron).



## COLLEGE DAY|2019

College Day was celebrated on 14<sup>th</sup> May 2019 and **Rev. Fr. Thomas Kakkassery** inaugurated the function.



# ARTS FEST 2018-19



Jyothi Engineering College, Cheruthuruthy celebrated "SAMANYA 19" ARTS FEST on 30<sup>th</sup> March 2019 in the College premises. The fest was inaugurated by the chief guest Dr. Jayaprakash R. K. (Registrar, Kerala Kalamandalam, Cheruthuruthy) and presided over by Fr. Roy Joseph Vadakkan (Secretary, Asst. Manager, Academics & Administration). Fr. Dr. Jaison Paul Mulerikkal (Principal, JECC) delivered the Principal's address. Mr. Sabin Srinivas (Chairman, College Union) delivered the welcome speech. Felicitation was done by Er. Thomas Mathew (Administrator, JECC) and Lt. Col. Jacob E. D., (Asst. Administrator, JECC). Vote of thanks was delivered by Mr. Jacob Joseph (Arts club Secretary, JECC).

## SEMESTER PLANNING WORKSHOP 16.1.2019

The Semester Planning Workshop was held on 16.01.2019 to plan the even semester activities and to discuss about innovative teaching and learning methods.

## Jyothi AGORA



For students of plus one and plus two, Jyothi Engineering College of Cheruthuruthy conducted a programme AGORA on 12<sup>th</sup> and 13<sup>th</sup> January 2019. It's a platform for students to display their talents. Agora has multiple events, sports, arts, mock test and orientation talk for students to participate in, and learn from.

## Chhatra Vishwakarma Award Appreciation Event



Aswathy Wilson with the team Lyza won second prize in Chhatra Vishwakarma Award held at AICTE, New Delhi. On February 7<sup>th</sup> The college union organized the Chhatra Vishwakarma Award Appreciation Event for appreciate LYZA project team. The chief guests for the events were the LONAPPANTE MAMODEESA MOVIE CREW teams. During the event the award winners present their work in depth.

## Workshop on Self Defense for Women



As per the direction given by the Police Head Quarters Govt. of Kerala, a class on self defense for women was conducted in the college on 09.02.2019 from 10 am to 3pm by the women development cell, coordinated by Ms. Jasmine Jose in association with women cell of police.





# National Science Day



Jyothi Engineering College Cheruthuruthy, Thrissur celebrated the National Science Day on 15<sup>th</sup> February 2019, under the coordination of Ms Minu Jos K. The inaugural address was given by the Chief Guest Dr. Jalaja S. Menon, Head and Principal Investigator, AICRP on Cashew, Cashew Research Station, Madakkathara Kerala Agricultural University. The inaugural function was started at 10 AM in the Decennial Hall, Jyothi Engineering College Cheruthuruthy with a prayer. The gathering was welcomed by Fr. John Tharayil, Head of the Department, Basic Science and Humanities. Fr. Roy Joseph Vadakkan, Asst. Manager, Academics & Administration delivered the Presidential address. This was followed by a special address by Fr. Dr. Jaison Paul Mularickal, Principal, Jyothi Engineering College Cheruthuruthy.

## Free Breast Cancer Diagnosis and Mammography Testing



The Women Development cell of Jyothi Engineering College conducted a free checkup for Breast cancer diagnosis followed by Mammography on 22.02.19 in the college in association with Cochin Cancer Society, Jubilee Mission Medical College and PNNM Ayurveda Medical College Cheruthuruthy. About 50 ladies including staff of the college and the premises participated in the programme.

## VISIT BY NBA TEAM

The Expert team of National Board of Accreditation (NBA) conducted one day Re-accreditation visit on 9.3.2019 to evaluate UG Engineering programs of Computer science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering and Mechanical Engineering Department. The team comprises two Evaluators (Prof. Sanjay Tanwani, Professor & Head, School of Computer Science & Information Technology, Devi Ahilya Vishwavidyalaya, Indore and Dr. Manaullah Abid, Professor at Electrical Engineering, JMI New Delhi Area, India). The objective of the visit was to study



the Continuous Improvement of all the above-mentioned programs based on the compliance report submitted to them. They have studied all the evidences and documents related to Admission, Placement and higher studies, Research and consultancy, Faculty Details of the Department, The student faculty ratio (SFR) in the department and Program curriculum and attainment of Program Outcomes etc. They also met with Program faculty and discussed about Faculty Information and Contributions. Experts visited Laboratories to see equipment adequacy, Conduct of lab sessions and visited the various facilities of the program.

## Women's Day Celebration



The International women's day was celebrated on 22.03.2019. The Celebration was presided by Fr. Roy Joseph Vadakken (Campus Head). The function was inaugurated by Ms Kalamandalam Sujatha, the renowned Bharathanatyam artist. There was a demonstration by the chief guest.

## An Act of Charity



A contribution was done as an act of charity to Preethi from Pangarapilly, Chelakkara who suffers from a rare skin disease by which she loses her skin which is painful and makes her quite unattractive. College Management and in association with the Staff Club, PTA, Alumni Association, NSS and the College Union opened up our hearts and minds to uphold the dignity of human life.



## Workshop on Introduction to 3D Designing and Printing

IEDC of Jyothi Engineering College organized a workshop on "Introduction to 3D Designing and Printing". Mr. Shijin of ME department was the Resource Person. It was conducted in the CAD Lab on 22nd Friday 1:30pm to 4:30pm and on 23rd Saturday 9:30am to 12:45pm at FabLab of our College. It was fully a hands-on sessions for the students

## One Day Workshop on Build Your First Chatbot



ChatBot Workshop conducted by IEDC & KMUG on 06.04.2019 at Insight Hall. The session delivered by TedX Speaker, Mr. Alok Rajasukumaran. About 30 students from different department attended the event.

## Two day workshop on Effective Presentation Skills and Idea Pitching



ICT Academy associated with Kerala Startup Mission & IEDC-JECC organized a two day workshop on "Effective Presentation Skills and Idea Pitching" at Decennial Hall on 24.04.19 & 25.04.19. This workshop aims to enable students of Idea Fest2019 Finalist to make an effective presentation at the Final Presentation time. Students from 10 different Engineering Colleges total of 50 students were participated in this workshop. Mr. Ramachandran, Trainer from ICT Academy took the session for these two days.

## Idea Pitching Contest



IEDC in association with IEEE & IEEE IAS organised IDEA PITCHING CONTEST exclusively for Jyothians. Winners awarding with a seed funding of up to ₹25,000 for 5 interdisciplinary projects. Among the 47 different ideas 17 of them were selected for Final Presentation. From 17 ideas presented at the venue, 5 ideas got funding of Rs.3000/- each in the first phase and after developing the prototype they are provided remaining funding.

## Evolve Conference 2019



Jyothi student project team with supercapacitor battery for electric vehicles grabbed huge attention at the Kerala Govt supported Evolve conference and exhibition on e-Mobility and electric vehicles at Grand Hayat Hotel, Kochi at 29-30 June 2019. Kerala govt aims to produce a million electric vehicles in Kerala by 2022, which will boost the job prospectives of electrical engineers in a big way in the state.

## Sent Off for Final year Students 2019



The Management, Principal, and Staff of Jyothi Engineering College cordially invite the final year students for a farewell function on the 15<sup>th</sup> of May 2019. A get together will be conducted for the students in their respective departments at 10.00 am and a common farewell function at the college auditorium at 12.30 pm, followed by a lunch.



# Department News Basic Science & Humanities

## Faculty Achievements

### Awards received

- Ms. Viji E. P. presented paper on the topic "Reliability of a 1-out-of-m system with hot n-out-of-n subsystems as components" at CMS College Kottayam in "International Conference on Advances in Applied Probability and Stochastic Processes" during the period of January 7 to 10, 2019

### External funds received for projects

- Ms. Priya Jose has successfully completed 8 weeks NPTEL online course on "Introduction to Research" during Feb-Apr 2019
- Ms. Priya Jose registered for Ph D Programme in Physics under APJ Abdul Kalam Technological University at Amal Jyothi College of Engineering, Kanjirapalli on January 2019.

# Department News Civil Engineering

## Major Activities

- As part of World Plumbing Day 2019 celebration, poster making competition was held at Jyothi Engineering college on 07<sup>th</sup> March 2019. Thirty students registered for the competition and nine students participated. The best three posters among them were selected.



- An Invited talk on "Traffic Signalling System" by Dr. P. Ravikumar, Senior Director, C-DAC Thiruvananthapuram was organized by Department of Civil Engineering in association with IE(I) and Civil Engineering Association for B-Tech and M-Tech students on 15<sup>th</sup> February 2019



- A Technical talk on "Rehabilitation of RCC Structures" and "High strength Concrete" by Er. M. A. Joseph, Chairman, ICI Kochi Center, Regional Head, Technical Services at Ultratech

Cement Ltd was organized by IEI and ICI on 2nd February 2019.



- A Talk on "Personality Development and Psychological issues" by Dr. Joy, Consultant psychiatrist, Metropolitan Hospital, Thrissur was organized on 31<sup>st</sup> January 2019 by ISTE to discuss about mental health followed by problems and various forms of personality disorder such as overthinking, anticipation, anxiety, hallucination, suicide tendency etc.



- Dr. Agnes Anto C. and Dr. Sreekumar M. joined our department as associate professors and Mr. Aswin P. Vijayan bid good bye to our department.



Dr. Agnes Anto C.



Dr. Sreekumar M.



Mr. Aswin P. Vijayan



- A technical talk on "Vent Pipe Bridges - an economical alternative for conventional bridges" by Dr. P. Vijayan, Professor, Department of Civil Engineering, Government Engineering College, Thrissur was organized by Department of Civil Engineering in association with ISTE Student Chapter and Civil Engineering Association (CEA)



## Faculty Achievements

- Ms. Jisha Akkara delivered a talk on "Surveying- Past, Present and Future" in two day training programme on "Land Survey- Conventional and Total station Survey" held on 1st March 2019 at Government Polytechnic College, Chelakkara. Ms. Archana.S., Ms. Vincy Verghese and Ms. Jisha Akkara co-authored the papers presented by M Tech S4 students in various conferences.
- Dr. Nidhi. M. has reviewed papers in the Third National Conference on Structural Engineering and Construction Management (SECON'19) organized by Department of Civil Engineering, Federal Institute of Science and Technology (FISAT), Ernakulam, Kerala on 15<sup>th</sup> and 16<sup>th</sup> May 2019.
- Ms. Archana.S., Ms. Vincy Verghese and Ms. Jisha Akkara co-authored the papers presented by M Tech S4 students in various conferences.



## Student Achievements Publications

- The detailed Project report for Water Supply to Thekkumkara Grama Panchayath for an amount of 2800 lakhs prepared by Ms. Tania Baburaj, Ms. Greeshma Davis, Ms. Jinu James, Mr. Sujith M S and Mr. Swaroop A of 2014-18 batch as part of their B Tech project has been highly appreciated by Panchayath and Kerala Water Authority.



- Jerry Soman and Shahana H of S4 M Tech presented their papers "Accident prediction model for horizontal curves" and "A study to determine pedestrian walkability index in mixed traffic conditions" respectively in the international conference on recent developments in Engineering organized by Dhaanish Ahmed Institute of technology on 23<sup>rd</sup> March 2019. These papers have

been published in International Research Journal of Engineering and Technology (IRJET) Volume 6, Issue 3, March 2019.

- Anusha P Antony has presented the paper titled "Comparative Study of 3D Printing & Conventional Practices in National Conference & Seminar (PCON/PSEM'19) on "Innovations in Engineering & Technology" organized by Government Polytechnic College, Palakkad Sponsored by department of technical education and kerala state Council for Science, Technology & Environment on 10-11 January 2019.
- The following students of S4 MTech participated in the 4th Kerala Technological congress - KETCON of KTU TECHFEST 2019 jointly organized by APJ Abdul Kalam Technological University and Kerala State Council for Science, Technology and Environment, hosted by Government Engineering
  - Thasneem Nadirsha presented a research paper titled "Analysis and development of traffic speed flow density relationships for urban roadway".
  - Aswathy K. R. presented a research paper titled "Performance Analysis And Modelling Of Entry Capacity Of Roundabout Under Heterogeneous Traffic" in the 4th Kerala Technological Congress KETCON of KTU Techfest.
  - Arathi A. R. presented the paper titled "feasibility study of provision for exclusive bus lanes on SH 69 in Thrissur city".
- The following students of S4 M.Tech participated in National Conference & Seminar (PCON/PSEM'19) on "Innovations in Engineering & Technology" organized by Government Polytechnic College, Palakkad Sponsored by department of technical education and Kerala state Council for Science, Technology & Environment.
  - Herin K. J. presented the paper titled "Study of on street & off street parking choice behavior".
  - Nivea John presented the paper titled "Crash Characteristics Analysis And Blackspot Identification Using QGIS".
  - Arathi AR presented the paper titled "Feasibility Study Of Provision For Exclusive Bus Lanes On Urban Roads: Effects On Intersections".
  - Jeena Johny presented the paper titled "Two Lane Highway Consistency Based On Alignment Indices".
  - Chandni Divakaran P. presented the paper titled "Estimation Of Pedestrian Level Of Service Model At Signalised Intersections".
  - Namitha Susan Joseph presented the paper titled "Influence Of Geometric Design Characteristics On Safety Under Heterogeneous Traffic Flow".
  - Thasneem Nadirsha presented the paper titled "Analysis and Development of Traffic Speed Flow Density relationships For Urban Roadway".
  - Leejiya Jose presented the paper titled "Urban awareness and readiness for sustainable Transportation - A Case Study".
  - Maria Francis presented the paper titled "Study On pedestrian Crossing behaviour at Intersections".
  - Aswathy KR presented the paper titled "Performance Analysis And Modelling Of Entry Capacity Of Roundabout Under Heterogeneous Traffic".



- The following students of S4 M Tech published their papers in International Research Journal of Engineering and Technology (IRJET) Volume 6, Issue 6, June 2019.
  - Ameera V U published the paper titled "Passing opportunity model of vehicles on two lane undivided highways under mixed traffic conditions"
  - Bincy B. J. published the paper titled "GIS Based Road Safety Audit of State Highways in Thrissur".
  - Jerry Soman published the paper titled "Mode choice behaviour Analysis of students in Thrissur city".
  - Maria Francis published the paper titled "Analysis of Passenger flow of rail transportation in Kerala".
  - Namitha Susan Joseph published the paper titled "Pedestrian Safety Analysis at School Zones".
- The following students of S4 M Tech published their papers in International Journal of Engineering Research and Technology (IJERT) Volume 8, Issue 6, June 2019.
  - Leejiya Jose Published the paper titled "Performance Evaluation of Kerala State Road Transport Corporation"
  - Shahana H published the paper titled "Fuzzy logic based route choice behaviour modelling"
- The following students of S4 M Tech published their papers in International Journal of Scientific and Engineering Research, Volume 10, Issue 5, May 2019.
  - Chandni Divakaran P published the paper titled "Road traffic induced noise pollution modelling and fuel emission analysis at rail-road crossings"
  - Herin K J published the paper titled "Study of on street and off street parking choice behaviour"

## Student Achievements Placements



**Jessica Roy**  
Placed in Infosys,  
Amazon & Sutherland  
Global Services



**Siviya Varghese**  
Placed in Infosys



**Reshma Rajan**  
Placed in FACE



**Anto**  
Placed in Sutherland  
Global Services



**Sruthy Krishna K.R.**  
Placed in FACE &  
Sutherland Global Services



**Jithin Joy K**  
Placed in Amazon &  
Sutherland Global  
Services

## Co curricular & Extra curricular activities

- Eloi C. J. of S6CE is awarded Grade 8 violin, Level 3 award in the graded examination of Trinity College, London in music performance.



- Mr. Eloi.C. J. , Ms. Clodiya Charley A. , Ms. Olfy Nixon and Mr. Saison Xaviour E. C. of S6CE participated in "Project Expo" competition conducted by Thejus engineering college as a part of THEJOMAYA- Techfest 2019 on March 5<sup>th</sup> 2019 and won Second prize for the event.



- Ms. Angel Maria Joseph, Ms. Alaka Menon, Mr. Aiwin Levi, Mr. Sayooj K. D. of S6CE secured second prize in NIRMA-NA-Project Expo event conducted during 8<sup>th</sup> and 9<sup>th</sup> February 2019 as part of the techno-cultural fest Vyvidh'19 of Vidya Academy of Science and Technology, Thrissur.



- Fredin K Joy and Delvin Davis of S6CE secured first prize in "Ship Retro" event of VASTAVA 2019 conducted during 8<sup>th</sup> and 9<sup>th</sup> February 2019 as part of the techno-cultural fest Vyvidh'19 of Vidya Academy of Science and Technology, Thrissur.



- Mr. Midhun T of S4 M Tech CE (Transportation Engineering) has secured the best paper award in Transportation Planning category at the sixth colloquium on Transportation Systems Engineering and Mangement(CTSM 2019) organized by PG Section in Transportation Engineering and Planning, Civil Engineering Department, Sardar Vallabhai National Institute of Technology, Surat, India during 14-15 June,2019.

- Nivea John of S4 M Tech CE (Transportation Engineering) has secured the best paper award in the National Conference on Recent advances in Civil Engineering and Technology 'REACT-2019' organized by the Civil Engineering Department, Vidya Academy Of Science and Technology held on 06-07 May 2019





- Ms. Salini.M. S. of S6 CE, Anjana Ramesh of S4 CE, Akhila. P. K. of S6 CE won first, second and third prize respectively in poster making competition held at Jyothi Engineering college on March 07<sup>th</sup> 2019 as part of World Plumbing Day 2019 celebration.
- Anusha P Antony, Henna Mariya, Mariya Rose Vincent won First Prize as well as Gowri Vrinda P and Nimisha K. won second prize in the event of “Flying Dutchman” conducted as part of intercollege Techfest Tharang’19 on February 23,24 of 2019 held at Thrissur Sakthan Ground.
- Ms. Angel Mariya Joseph, Ms. Alaka Menon, Mr. Aiwin Levi and Mr. Sayooj .K. D won second prize in the event of Srishti Project Expo 2019 conducted as part of intercollege Techfest Tharang’19 on February 23, 24 of 2019 held at Thrissur Sakthan Ground.
- Fredin K. Joy, Titus James and Alwin Andrews won first prize as well as Salini MS, Nimisha K and Ardra P M won second prize in the event of Town Planning conducted as part of intercollege Techfest Tharang’19 on February 23, 24 of 2019 held at Thrissur Sakthan Ground.
- Clodiya Charley A, Eloj C J, Saison Xavier, Olfy Nixon, Akash M B of S6CE has participated and exhibited the project “Anaerobic Treatment Process To Minimise the BOD Of Septic Tank Effluents guided by Prof. M. G. Cyriac in the final round of “SRISHTI 2019” held at Saintgits college of Engineering on 18th& 19th February 2019.
- Salini M.S, Anusha p Antony, Mariya Rose Vincent, Sreya Murali, Athira Dhanesan of S6CE participated in “Ship Retro” event of VASTAVA 2019 conducted as part of the techno-cultural fest Vyvidh’19 of Vidya Academy of Science and Technology, Thrissur.
- Anusha P Antony, Salini M S and Henna Mariya of S6CE presented a paper in the poster session in the 31<sup>st</sup> Kerala science congress held during the 2nd & 3rd February 2019 at Fatima Mata National College, Kollam.
- Anusha P Antony has participated in the zonal level of perfect Home an Intercollegiate Rebuilding Kerala Ideation Competition held at Government Women’s College, Vazhuthakad Trivandrum on 25<sup>th</sup> January 2019

## University Result Toppers

- Ms. Anjana C. P., Ms. Bhavya George and Ms. Siviya Varghese of S8 Civil (2015-19) secured the first, second and third position in their class in the seventh-semester results published by APJ Abdul Kalam Technological University scoring SGPA of 9.73, 9.55 and 9.45 respectively.



- Ms. Angel Mariya Joseph, Ms. Henna Mariya, and Ms. Dona Thomas of S6 Civil (2016-20) secured the first, second and third position in their class in the fifth-semester results published by APJ Abdul Kalam Technological University scoring SGPA of 9.87, 9.8 and 9.74 respectively.



- Ms. Shefeekha A, Ms. Blessy P Samuel and Ms. Femin K.A of S4 Civil (2017-21) secured the first, second and third position in their class in the third-semester results published by APJ Abdul Kalam Technological University scoring SGPA of 10, 9.54 and 9.46 respectively



- Ms. Swathy P Mohan, Ms. Silpa Sekhar G& Ms. Anupama Krishnan and Ms. Giji Sonia of M Tech Second semester secured the first, second and third position in their class in the first semester results published by APJ Abdul Kalam Technological University scoring SGPA of 8.61,8.45 and 7.98 respectively



- Ms. Arathi A.R. Ms. Thasneem Nadirsha, Mr. Midhun T of M Tech Fourth semester secured the first, second and third position in their class in the third-semester results published by APJ Abdul Kalam Technological University scoring SGPA of 9.38, 8.88, 8.44 respectively



- Ms. Arathi A. R. and Ms. Siviya Varghese are selected as the best outgoing student from M Tech and B Tech, respectively.
- Ms. Anjana C. P., Ms. Bhavya George, Ms. Siviya Varghese, Ms. Siji Vincent A., Ms. Megha T. S., Ms. Arppitha K., Ms. Varsha P. and Ms. Haleema Lameez Thajuddeen secured CGPA above 9 in the seventh-semester results published by APJ Abdul Kalam Technological University



- Ms. Haleema Lameez Thajuddeen, Ms. Anjana C. P., Mr. Sarath M of S8CE qualified GATE-2019 exam with a score of 396, 385 and 364 respectively.



- Ms. Shefeekha A., Ms. Blessy P. Samuel, Ms. Femin K. A., Ms. Raveena V., Ms. Nikhitha Davis and Mr. Vinayak Vinod secured CGPA above 9 in the third-semester results published by APJ Abdul Kalam Technological University
- Ms. Angel Mariya Joseph, Ms. Dona Thomas, Ms. Henna Mariya, Ms. Sreya Murali, Ms. Alaka Menon, Ms. Gowri Vrinda P., Ms. Nimisha K., Ms. Salini M. S., Ms. Aajini Giri, Ms. Ardra P. M., Mr. Abhijith Nair and Mr. Eloi C. S. secured CGPA above 9 in the fifth-semester results published by APJ Abdul Kalam Technological University.

## Department News Computer Science & Engineering

### Major Activities

- CSE and CE Department together organized 5 day FDP on "Innovative approach for effective implementation of student project and its documentation" from 17<sup>th</sup> to 21<sup>st</sup> Jan 2019.
- Computer Engineer Students' Association (CESA) in association with IEDC conducted ONBOARD QUIZ for all students from 19.02.2019 to 22.02.2019 as a part of Tharang 2019



- Computer Engineer Students' Association (CESA) organized a workshop on Ethical Hacking from 28<sup>th</sup> - 29<sup>th</sup> March 2019
- Computer Engineer Students' Association (CESA) organized One Day Hands-on workshop on LaTeX 15<sup>th</sup> February 2019 for students of all department.
- CSE Department organized 5 day KTU Sponsored FDP on "Theory and Practice of Data Science" from 24<sup>th</sup> – 28<sup>th</sup> June, 2019. Dr. Vinith R, Mr. Manu Madhavan and Mr. Unnikrishnan P were the resource persons.



### Faculty Achievements

- Dr. Vinith R delivered a talk and hands on session on "Machine Learning" at TKM College Of Engineering on.
- Dr. Vinith R., Unnikrishnan P, Namitha T N, Ninu Francis attended APJAKTU sponsored 5 day workshop on "Emerging trends in Big Data analytics and Hadoop" at Jawaharlal College of Engineering and technology from January 14-18<sup>th</sup>, 2019
- Mr. Unnikrishnan P delivered a talk and hands on session on "Machine Learning" at Christ Engineering college on 21.2.2019.
- Aswathy Wilson with her team LYZA got second prize worth of 10K in Shark tank competition held at Rajagiri College.
- Aswathy Wilson with her team LYZA got KANIKA Women's Forum Award on World Women's day.



- Mr. Unnikrishnan P got his paper titled "Enhanced sparse Representation classifier for Text Classification" accepted in SCI indexed journal, Expert systems with applications.



- Ms. Seenia Francis got selected at NIT Calicut for pursuing PhD



## Student achievements

- Catherine Anto , Bini Maria, Emmanuel Wilson, Ajaz F of S8 CSE under the guidance of Ms.Aswathy Wilson presented their project “Lyza for women” in Yuva master mind Grand finale held at Ernakulam.



- Jisna Joby, Catherine Lenette, Agna E A, Divya shibhu under the guidance of Ms. Divya M Menon presented their project “Haptic Shoe for blind and elderly” in Yuva master mind Grand finale held at Ernakulam.



- Amal Prem, Jain Johnson, Harikrishna , Delma Davis of S8 CS A with their project “IOT based speed limiter “ under the guidance of Ms. Aswathy Wilson got fund of Rs.7000 from KSCTE.



- Mohammed Ashiq Maqbool, Viju Valsan, Mohamed Saajid KM, Kokul Jose, Raveena P of S6 CSE B with their project “Currency Recognition Spectacles for Blinds” under the guidance of Mr. Fepslin Athish Mon S got fund of Rs.5000 from KSCTE.
- Vincy Anto (S4 CS B) and Shabana Asmi (S6 CS B) secured third prize in MITS-ESIGELEC HACKATHON 2019 for “Head controlled Wheel Chair with Patient Monitoring System” held at Muthoot Institute Of Technology And Science, Ernakulam.



- Archana Venugopal and Jeena Varghese secured third prize in the event V-Hack and Kokul Jose secured first prize in the event CODXin KTU tech fest 2019 held at GCT Thrissur on 15/02/2019 – 17/02/2019.
- Anand Murali, Akhil V, Arif got First prize in Electro Hackathon , and Arya P Menon, Anu C Jaison got First prize in Volt Hunter, in the tech fest held at Vidya Engineering college.
- Joseph Joel, Nithin Peter, Rashmi M, Karthik P C, Adithya Vijayan ,Sanjana, Shibana , Sangeetha C P, Sreehari , Sidharth U, Shinoz Mohammed , V J Vishnu, Joseph Joseph, Saurav Mundanatt, Naveen P R, Vincy Anto of S4 CS B has completed “Google Cloud Platform Fundamentals : Core Infrastructure” offered through Coursera.
- Amal tom and Deepak K V of S4 CS A has completed “Google Cloud Platform Fundamentals : Core Infrastructure” offered through Coursera.
- Ashique of S8 CS A qualified GATE 2019 with a score of 359.



- Anand Murali of S6 CS A won First prize in “Best Engineer “contest held at MBCET, Kuttikanam as part of “Swastika- annual Techfest”.





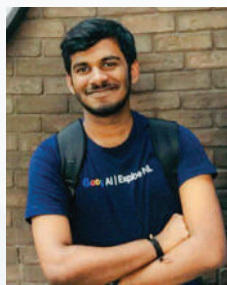
- Catherine Lenette of S6 CS A bagged the new face award for Keraleeya Vanitholsavam 2019. ▶



- Maria of S6 CSE B won 4<sup>th</sup> position in the PRAYAANA Career Queen Summit 2019 held at KSUM Kalamassery on 8th March. ▼



- SREERAG R NANDAN secured First Prize in IT FEST held at Yuvakshethra Institute Of Management Studies, Mundur. He participated in All India Software Hackathon held at Vidya Academy Of Science And Technology, Thrissur. Also participated in DYUKSHA at NSS COLLEGE OF ENGINEERING, PALAKKAD and in CODEWAR held at Government Engineering College, Thrissur.



**SREERAG R  
NANDAN**

- Catherine Anto, Delma Davis, Dileep(CSEA) & Megha, Robin (S8 CS B) got placed in Infosys.
- Abhishek Achuthankutty, Ajaz F, Anand A M, Anirudh Rajan of S8 CSE A & Tina Thomas, Vishnu K of S8 CSE B placed in Speridian Technologies. A M Abhishek of S8 CS A got placed in Sutherland Global services. Harikrishnan and Ashique (S8 CS A) got placed in UST Global.
- Nicy Joseph K S8 CSE got placed in HCL Technologies and Abin Mathew Wilson S8 CSE got placed in SHRIRAM.

## University Result Toppers

- In KTU seventh semester university results, from S7 CSE A, AMAL PREM K.P secured first with SGPA 8.77, ASNA NESRY second with SGPA 8.77 and DELMA DAVIS third with SGPA 8.64



**AMAL PREM K.P**



**ASNA NESRY**



**DELMA DAVIS**

- In KTU seventh semester university results, from S7 CSE B, NICY JOSEPH K secured first with SGPA 9.48, RESHMA T P second with SGPA 9.45 and MEGHA K J third with SGPA 9.14



**NICY JOSEPH K**



**RESHMA T P**



**MEGHA K J**

- In KTU fifth semester university results, from S5 CSE A, ARYA P MENON secured first with SGPA 9.8, ARCHANA VENUGOPAL second with SGPA 9.48 and JERIN REJI third with SGPA 9.41 .



**ARYA P MENON**



**ARCHANA  
VENUGOPAL**



**JERIN REJI**

- In KTU fifth semester university results, from S5 CSE B, MARIA ANN TOMS secured first with SGPA 9.07, RINSY R, ROHINI K.R second with SGPA 8.52 and VARSHA BABU third with SGPA 8.43.



**MARIA ANN TOMS**



**RINSY R**



**ROHINI K.R**



**VARSHA BABU**

- In KTU third semester university results, from S3 CSE A , DIVYA PETER secured first with SGPA 9.35, AMALA K S second with SGPA 9.31 and ARNOLD ,DHANYA R third with SGPA 9.08.



**DIVYA PETER**



**AMALA K S**



**DHANYA R**



**ARNOLD**

- In KTU third semester university results, from S3 CSE B, Niva Dileep secured first with SGPA 9.67, Shilpa Sivadas second with SGPA 9.23 and Maneesh Manoj third with SGPA 9.02.



**Niva Dileep**



**Shilpa Sivadas**



**Maneesh Manoj**



- In KTU first semester university results, from S3 CSE A, G RAMGOPAL secured first with SGPA 9.89, AMAL SEBASTIAN second with SGPA 9.61 and ANIT MARY THOMAS third with SGPA 9.13 .



G RAMGOPAL



AMAL SEBASTIAN



ANIT MARY  
THOMAS

- In KTU first semester university results, from S3 CSE B , JISSY JOY secured first with SGPA 9.74, SHAFNA second with SGPA 9.63 and VANI PRAKASHAN CHOYYAN third with SGPA 8.91 .



JISSY JOY



SHAFNA



VANI PRAKASHAN  
CHOYYAN

## Department News Electronics and Communication Engineering

### Major Activities

- The inauguration of Electronics and Communication Students Association (ECSA) in association with IETE was conducted on 15<sup>th</sup> February 2019. Dr. Nirmal D (HOD ECE Dept, Karunya University), the chief guest, delivered a technical talk on "Emerging Trends in Microelectronics".



- Dept. of ECE conducted KTU sponsored FDP on "Emerging trends in VLSI, Embedded systems and its application in Biomedical sector" from 10/07/2019 to 12/07/2019



### Faculty Achievements

#### Awards received

- Fr. David Nettikkadan Joined for Ph D programme (Part time) at IIIT Kottayam.
- Ms. Bindhu K Rajan Joined for Ph D programme (Part time) at APJ Abul Kalam Technological University

### Awards received

- Ms. Bindhu K Rajan Published a paper titled "Efficient Enhancement of Hepatic and Splenic Carcinoma in Canine using Image Processing" in International Conference on communication and Signal Processing, April 4-6, 2019 Tamil Naidu , India
- Ms. Sindhu.S, "Design and Implementation of Instantaneous Power Estimation Algorithm for a Unified Power Conditioner", Journal of Power Electronics, Vol.19, No.3, May 2019. [SCIE, Scopus]
- Dr. Prajoon P published a book chapter titled" AlGaIn/ GaN HEMTs for high power applications".
- Mr. Ponmani Raja M Published a paper titled: Solution for Unintentional Events o f Vehicle Security Journal Name: Transactions on Innovations in Science & Technology ISSN No:2456-5075 Volume & Issue No: Volume.4, Issue.1, June 2019, pp.9-12.
- Dr. Anoop V published an SCI indexed journal on "Medical image enhancement by a Bilateral filter using optimization technique".

### FDP/ conferences attended

- Mr. Jinesh K J attended Yuva Master mind competition at Rajiv Gandhi Indoor Stadium , Ernakulam.
- Mr. Jinesh K J attended Evolve -2 day electric vehicle expo at Grand Hyatt Bolgatty ,Kochi on January 29-30.
- Dr. Vivek Lukose and Mr. Rijo P C attended two week AICTE sponsored FDP on "Research Challenges in Biosignal and Image Processing for Medical and Health Science" conducted by Vimal Jyothi Engineering College, Kannur from 20/05/2019 to 01/06/2019.

### Student achievements

#### Major Project Presesntation/ Paper publications

- Mr. Prasobh K P and Ms. Mubashira K M of S6 ECE B got funding of Rs. 4.87Lakh from Nidhi Prayas scheme forcompleting their prototype E-Barille Reader.

#### Placements

- Ms. Arya C, Mr. Jesvin Palatty, Mr. Pranav V and Ms. Nayana N of S8 ECE got placed in TCS.
- Mr. Anand Balaram, Ms. Rinku George of S8 ECE got placed in Poornam Infovision.
- Ms. Arya C of S8 ECE got placed in VVDN Technologies



- Mr. Anand Balaram and Sooraj O R of S8 ECE got placed in Speridian Technologies.
- Mr. Sankalp O R of S8 ECE got placed in Wipro
- Ms. Anjana K P, Ms. Krishnapriya P P and Mr. Goutham V R of S8 ECE got placed in Sutherland Global Services.
- Ms. Krishnapriya P P, Ms. Namboodiri Swathi Vasudevan, Ms. Nikeeta Saji, Mr. Sankalp O R, Ms. Jeeshma Mohan P, Ms. Saniya A S and Ms. Sophy Shaju of S8 ECE got placed in FACE(Focus Academy for Career Enhancement)
- Ms. Dency Davis, Ms.Pravitha P.G, Mr. Sankalp O R and Ms. Namboodiri Swathi Vasudevan of S8 ECE got placed in Amazon.
- Ms. Kannanpuzha Chelsea Antony, Ms. Megha Thomas and Ms. Pravitha P G of S8 ECE got placed in Cognizant.
- Mr. Sankalp O R of S8 ECE got placed in Quest Global.
- Ms. Arya C, Mr. Jesvin Joseph Palatty and Mr. Sankalp O R of S8 ECE got placed in Infosys.
- Mr. Jesvin Joseph Palatty, Ms. Kannanpuzha Chelsea Antony, Ms. Krishnapriya P P, Mr. Pranav V V, Ms. Pravitha P G, Ms. Rinku George, Mr. Sooraj O R, Ms. Varadha N of S8 ECE and , Ms. Ciya James, Ms. Feba Joseph and Ms. Jiji Sasidharan of S4 M.Tech got placed in UST Global
- Ms. Ann Mary Varghese T, Ms. Aswinik Narayanan, Ms. Namboodiri Swathi Vasudevan, Ms. Nikeeta Saji and Mr. Sankalp O R of S8 ECE got placed in Sutherland Global Services (Non voice).
- Ms. Blessy Babu of S8 ECE got placed in TATA Motors Limited
- Mr. Sooraj O R of S8 ECE got placed in SupportSages

## University Result Toppers

### S3 ECE



Kavya  
9.67



Ammumol Joseph  
9.67



Jeena  
9.60



Vrinda  
9.58

### S5 ECE



Sreelakshmi R  
9.74



Mareena Mariya Abraham  
9.54



Mubashira K M  
9.5

### S7 ECE



Pravitha P G  
9.25



Nayana P N  
9.25



Nikeeta Saji  
9.23



Rinku George  
9.11

## Department News Electrical and Electronics Engineering

### Major Activities

- An expert talk on 'Recent trends in Power Electronics' was delivered to EEE students by Dr. Rijil Ramchand, AP, EEE NIT Calicut on 18/02/19.



### Faculty Achievements

- Dr.T. Jarin HOD EEE Dept. published a paper entitled "Numerical analysis of circularly polarized modes in coreless photonic crystal fiber" in Microarticle [Elsevier] in March 2019.
- Dr. T.Jarin HOD EEE Dept. published a paper entitled "Designing and Modelling of a Low-Cost Wireless Telemetry System for Deep Brain Stimulation Studies" in Indian Journal of Science and Technology in March 2019.
- Dr.Jarin T, K Ezhil Vignesh, Stephy Akkara, published a paper entitled 'A Revised RLS Algorithm for Low Frequency Electro Mechanical Oscillation',in Journal of Advanced Research in Dynamical and Control Systems 11(4):112-122, [Scopus] May 2019.





- Mr.Jenson Jose and Dr.Jose P Therattil " presented a paper 'A Novel LCC-LCL WPT Compensation for Better Performance' in the Third IEEE International Conference on Electrical, Computer and Communication Technologies (IEEE ICECCT 2019) , February 2019.



- Ms.Nisha P.V, Asst.Prof EEE Dept. published a paper entitled "Analysis of EMI in a Variable Frequency Drive through Modelling and Experimental Validation" in Journal of Electrical Systems.



## Student achievements.

- Mr.Vishnu V, Mr.Terin Thomas , Ms.Anagha N V and Mr.Deepakraj T Chandrahasan of S8 EEE has been selected by INFOSYS to the post of System Engineer in the pooled campus recruitment drive conducted by the company.

## University Result Toppers

- As per the data of the results of S7 University Examinations (2015 Admission Batch) released through the Net by the KTU, Department of EEE in Jyothi Engineering scoring an overall percentage of 37.2%.



**Mariya Rose**  
9.32



**Vishnu B**  
8.818



**Anagha N V**  
8.67



**Neema Joy**  
8.67

- As per the data of the results of First Semester M-Tech University Examinations (2018 Admission Batch) released through the Net by the KTU, Department of EEE in Jyothi Engineering scoring an overall percentage of 25%.



- As per the data of the results of S5 University Examinations (2016 Admission Batch) released through the Net by the KTU, Department of EEE in Jyothi Engineering scoring an overall percentage of 46.88%.



**Albin Joy**  
9.26



**Snija Joy**  
8.89



**Anoop R**  
8.89



**John Jose**  
8.67

- As per the data of the results of S3 University Examinations (2017 Admission Batch) released through the Net by the KTU, Department of EEE in Jyothi Engineering scoring an overall percentage of 57.14 %.



**Sneha J.P**  
10



**Anitta Savy**  
9.94



**Arthana P**  
9.71

- As per the data of the results of Third Semester M-Tech University Examinations (2017 Admission Batch) released through the Net by the KTU, Department of EEE in Jyothi Engineering scoring an overall percentage of 100%.



**Steffy Akkara**  
10



**Haritha A S**  
8.69



**Joshna Anna Johnson**  
8.5

## Department News Mechanical Engineering

### Major Activities

- Department of Mechanical Engineering organized International conference on Advancements in Mechanical Engineering (ICAME 2019) - Challenges towards Sustainable Development, April 10-11,2019.



- Society of Automotive Engineers India (SAE) & Association of Mechanical Engineering Students (AMES) jointly organized an Interactive session with Entrepreneur "Mr. Varun Menon Nallore, Manger, Mentrode on 27-02-2019.





- Society of Automotive Engineers India (SAE) & Association of Mechanical Engineering Students (AMES) jointly organized a Workshop “Latest trends in Automobiles” on 27-03-2019. Mr. Venugopalan Technical Training Officer, Ashok Leyland handled the session.



## Faculty Achievements :

### Awards received

- B. Deepanraj has got Indian Patent No.310171 Granted on March 28, 2019 titled A Biodiesel Fuel Blend Composition Comprising of Prickly Poppy Methyl Ester (PPME), Ethanol and Diesel.



### Faculty publication:

- B. Deepanraj published a paper titled "Energy and energy analysis, drying kinetics, modeling and quality parameters of microwave-dried turmeric slices", Journal of Thermal Analysis and Calorimetry (SCI Journal), Vol.136 (1), April 2019, pp.185-197.
- B. Deepanraj, has published a paper titled “Experimental Investigation on Performance, Combustion and Emission Analysis of a Direct Injection Diesel Engine fuelled with Rapeseed Oil Biodiesel” Fuel(SCI Journal from El-sevier), Volume 246, 15 June 2019, Pages 69-74.

### FDP/ conferences attended:

- B. Deepanraj presented a paper titled “Investigation and Optimization of Machining Parameters Influence on Surface Roughness in Turning AISI 4340 Steel”, International Conference on Recent Developments in Mechanical Engineering, Chennai, India, March 21-22,
- B. Deepanraj Delivered an invited talk and chaired technical sessions during “National Conference on Innovative Research in Science, Technology and Magement, Technologies” at PSV College of Engineering & Technology, Krishnagiri, May, 2019.
- B. Deepanraj was the Advisory committee member for “Indo-US Virtual Conference on Carbon Sequestration Bio-energy, Environment and Sustainable Technologies” organised by CO<sub>2</sub> Green Technologies Centre, Vellore Institute of Technology, April 2019.

- Christy V Vazhappilly has attended a conference “Reconstruction of human ear using bioCAD models “, 4th International Conference on Nanomaterials: Synthesis, Characterization and Applications, Kottayam, April 2019.



### Others:

- B. Deepanraj has selected as the Guest Editor for the Special Issue on “Energy provision from organic by-products, residues and wastes in Asia” in Biomass Conversion and Bio refinery Journal published by Springer Nature, March 2019.
- B. Deepanraj has selected as the Guest Editor for the Special Issue on “WEECON'19: Special Issue on: "Science, Technology and Innovation for Sustainable Development” in World Review of Science, Technology and Sustainable Development published by Inderscience.
- B. Deepanraj has appointed as the PhD Thesis External Examiner, Shri Venkateshwara University, Amroha, UP, January 2019.

## Student Achievements :

### Major Project Presesntation/ Paper publications

A low cost Braille Printer, Project by Bernad KB (Final year Mechanical Engg Student) & team got Second Prize in Technology Conclave at Pooram International Hotel organized by MSME & DIC, Thrissur on Feb 2019.



### Conference

- Bernad K B presented a paper titled “Brailleon-A Low Cost Braille Printer” in KSCSTETEKON conducted at GEC Thrissur during February 15-17, 2019.
- Bernad K B presented a paper titled “Brailleon-A Low Cost Braille Printer” in Technology Conclave conducted at District Industries Center Thrissur during February 25-26, 2019.
- Arun Raj K.M presented a paper titled “Cryo E-Toilet” in KSCSTE-TEKON conducted at GEC Thrissur during February 15-17, 2019.
- Don Davies presented a paper titled “Effect of Additives on Blending Fuels” in KSCSTE-TEKON conducted at GEC Thrissur during February 15-17, 2019.
- Godwin Cletus E presented a paper titled “Cooling of Heavy Vehicle Drum Breaking System” in KSCSTE-TEKON conducted at GEC Thrissur during February 15-17, 2019.





## Placements



**BERNAD K B**  
Project Engineer  
(WIPRO)



**STEFFIN K NELSON**  
Consultant- Technical Services  
(SUTHERLAND GLOBAL SERVICES)



**AKASH A**  
System Engineer  
(INFOSYS), Associate  
(AMAZON)



**LAKSHMI KUMAR**  
Programmer Analyst (COGNIZANT), System Engineer (INFOSYS),  
Associate (AMAZON), Analyst -Training & Design (FACE),  
Consultant- Technical Services (SUTHERLAND GLOBAL SERVICES).



**ALEX ANTONY N**  
System Engineer (INFOSYS),  
Consultant- Technical  
Services (SUTHERLAND  
GLOBAL SERVICES)



**GODWIN CLEETUS E**  
System Engineer  
(INFOSYS)



**ASWIN UNNI**  
(SPERIDIAN  
TECHNOLOGIES)



**KIRAN P S**  
Clerks In Non-Officer Cadre  
(FEDERAL BANK)



**PRNCE MATHEW SUNIL**  
(SPERIDIAN  
TECHNOLOGIES)



**ABHISHEK VIJAY**  
Consultant- Technical  
Services (SUTHERLAND  
GLOBAL SERVICES)



**ARJUN SAI P**  
Associate (AMAZON)  
Consultant- Technical  
Services (SUTHERLAND  
GLOBAL SERVICES)



**ARUN RAJ K M**  
Associate  
(AMAZON)



**SREERAG V  
NAMBIAR**  
Associate  
(AMAZON)



**DON DAVIS**  
Consultant- Technical  
Services (SUTHERLAND  
GLOBAL SERVICES)



**ALFRED JOSEPH**  
Consultant- Technical  
Services (SUTHERLAND  
GLOBAL SERVICES)



**ABIJITH B MENON**  
Consultant- Technical  
Services (SUTHERLAND  
GLOBAL SERVICES),  
Clerks In Non-Officer Cadre  
(FEDERAL BANK)

## Co curricular & Extra curricular activities

- Mr. Bernad K B of final year Mechanical A batch has been selected as ISTE Best Student Award State level – ISTE Kerala chapter in the year 2018-19 .
- Mr. L. Pranesh of Final year Mechanical B has secured 3rd Prize in Mr.Palakkad (75Kg) Competition held in Feb 2019.



- Mr.Akhil James K and Mr.Edwin Joseph C of S5 EEE (2016-Admission) has secured first place in Men 4×100 m relay in the APJ Abdul Kalam Technological University Athletics Championship held at University Stadium ,Thiruvananthapuram from 2nd to 4th November 2018.



## University Result Toppers

### S1(2018- 22 Batch)



**JIPIN PRAKASH**  
9.7 SGPA



**ALJO JOHNSON**  
9.26 SGPA



**K VISHNU**  
9.24 SGPA



### S3 (2017- 21 Batch)



**N BINURENJ**  
9.46 SGPA



**SREERAG VINOTH**  
9.38 SGPA



**SUDEESH S**  
9.19 SGPA

### S5(2016- 20 Batch)



**DINSA DAVIS**  
8.98 SGPA



**EDWIN SABU**  
8.93 SGPA



**ANJO JOSEPH P**  
8.91 SGPA

### S7(2015- 19 Batch)



**JUDISH XAVIER**  
9.19 SGPA



**ARUNRAJ K M**  
9.05 SGPA



**NIGIL SEBASTIAN**  
8.91 SGPA



**GOPIKRISHNAN P**  
8.84 SGPA

## Department News Mechatronics Engineering

### Co-curricular & Extra curricular activities

- Abhishek N. & Charles Jojo C. participated in the KTU E-Zone Football (Men) Tournament held at Government Engineering College, Palakad.



**ABHISHEK N**



**CHARLES JOJO C**

### University Result Toppers 3rd Semester



**Leen David P B**  
9.08 SGPA



**AJIN M G**  
8.81 SGPA



**AJAY O U**  
8.73 SGPA