FISAT



VOL 10 | DECEMBER 2019

icon

ANNUAL NEWSLETTER

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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Vision

To become a centre of knowledge in Computer Science and Engineering, inspiring and promoting young professionals into becoming updated, innovative contributors to the society.

Mission

To foster a curiosity towards learning, making creative use of knowledge resources.

To provide value based insights towards moulding updated and innovative technocrats with social commitment and leadership.

To create opportunities for research, entrepreneurship, and higher studies among students and faculty.

Federal Institute of Science and Technology (FISAT)®

Approved by AICTE, Affiliated to APJ Abdul Kalam Technological University & MG University

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Mr. Paul Mundadan
Chairman,
Governing Body FISAT

I am delighted to know that Computer Science and Engineering department of FISAT is going to bring out its 10th edition newsletter ICON 2019. I appreciate the initiatives taken by the editorial board of ICON 2019 and all those who are behind the venture for bringing out ICON consistently for the last 10 years. FISAT now occupies a unique position in the professional Education sector in South India, eloquently demonstrated by its students in academics, placements and other extra-curricular and co-curricular activities. We aim at producing world class professionals rooted in human values. FISAT pays a great deal of attention to academic excellence and cultural ethos which include constant upgrade of knowledge details, continuous evaluation and improvement of systems. The efforts of Department of Computer Science and Engineering on this account is truly commendable. I specially congratulate the first batch KTU students of Computer Science and Engineering department for their glorious victory. I hope this newsletter showcases all the departmental activities of the previous year. Best wishes on all your future endeavours, especially NBA accreditation.



Dr. George Issac
Principal, FISAT

I am excited that the department of Computer Science Engineering, FISAT is bringing out their 10th edition of the Department Newsletter ICON 2019. This Newsletter will surely be a forum to showcase the laurels brought to the institution by the students and faculty, and the events happening in the campus. It also gives me immense pleasure to see the team work behind this venture to bring out the newsletter in good shape. I would like to congratulate the Computer Science and Engineering Department in developing a state of the art Apple Lab and a Research Centre. Such newsletters talk about the horizons conquered by the exceptional talents within and inspire the rest to conquer further, thus giving further visibility to the department. My best wishes to all those who have worked hard for bringing up this creative venture.



Dr. C Sheela
Vice-Principal

Computer Science and Engineering Department of FISAT has always stood out with their impeachable academic track record and the excellent placements.They are also among the front runners in innovation and technical excellence in the institution. I am sure the 10th edition of their flagship newsletter ICON 2019 captures all the great things done by the department and pass it on to their readers and instil in them deep interest and inspiration to excel. Truly appreciate and congratulate the efforts put in.



Dr. K S M Panicker
Director (Academics)

I am very proud and elated that the Computer Science and Engineering Department of FISAT is consistent in sustaining their excellence in all their ventures. 10th edition of their newsletter ICON 2019 would be a testimony for that and I am sure it will speak loud on the achievements of Computer Science and Engineering Department. Such newsletters bring in an awareness among their readers about the great feats of engineering our students are capable of. My whole hearted support and best wishes to all the creative brains behind this beautiful venture.



Dr. Sunny Kuriakkose
Dean (Student Affairs)

I am really excited about the 10th edition of the newsletter ICON 2019. This is a moment for me to get overjoyed to see the students of the department being placed at nook and corner of the world. Last year's placements were a record. I take this opportunity to congratulate all those students who made us proud. I also take this opportunity to appreciate all those who were behind the idea of installing LORAWAN, a public gateway for IoT projects at FISAT. I hope this ICON exhibits more of the Computer Science and Engineering Department activities. All the best wishes.

HOD's DESK



Dr. Prasad. J. C.
Professor & Head CSE Dept.

Dear Fisatians ,

We are delighted to announce the launch of 10th volume of our Newsletter ICON. ICON is marked as the voice of the Department. All the events organized are archived through our newsletter. On behalf of department, I would like to congratulate everyone involved in the very successful release of all the issues of ICON.

The Department of Computer Science and Engineering is privileged to announce its new achievement of being an approved Research Centre of Abdul Kalam Technological University. As the research and consultancy activities will give new dimensions to the students' employment, department initiated a consultancy cell named FISAT Consultancy Centre (FCS). Many faculties of the department recently joined our Research Centre and research articles are coming out from our research divisions like CCCR, Image Processing etc.

As the current hot areas in Computer Science are Artificial Intelligence, Robotics, Big Data Analytics, Internet of Things, Cyber Security etc, the Department focused on organizing co-curricular and extracurricular activities based on these topics. I am taking this opportunity to congratulate students and faculty for doing projects using these technologies.

In addition to the curriculum, to stimulate and develop the social awareness among the students, department always encourages the students to organize social activities. I am proud of my students for their active involvement in the Punarjani project, Orphanage/Old Age home Visits, Blood donation and various NSS related works.

Department is aiming for being accredited by the NBA. I hope our sincere efforts to implement Outcome based education will be reflected during the evaluation of NBA accreditation team. We submitted the SAR on 14th October 2019.

At this outset of 2019, let me be thankful to Almighty Lord and to all stakeholders of this institution-management, staff, parents, students, employers, and public for their unconditional support towards the department. May God bless all of us with prosperous new year 2020.

Thanking you

Editorial Note



Dr. Jyothish. K. John
Asst. Professor, Senior Grade

Success is not final; failure is not fatal: It is the courage to continue that counts.
Winston S. Churchill

The Department of Computer Science and Engineerings is releasing its 10th volume of annual newsletter, ICON. The year 2019 is a remarkable year which brought laurels to the department. Kudos!! to the first CSE KTU pass out batch which stood second in pass percentage among the entire engineering colleges in Kerala.2015-16 CSE batch secured the record placement offers of 167 offers, many of them securing more than two. Another major achievement is FISAT becoming a research center of KTU. Initiatives are going on to set up a public gateway to support IoT research which is beneficial to the society. As usual, 2019 has seen a very fruitful ICEFOSS that witnessed versatile talks and hands-on trainings. The preparation for NBA accreditation is in its final stage. More achievements and events are portrayed in the 10th volume of ICON.

The area in which the department should improve is social research and patents. The faculty should be able to attract research funds. Hope securing the accreditation will mark a beginning to the practices which will help us to take a great step towards excellence.

Thank you

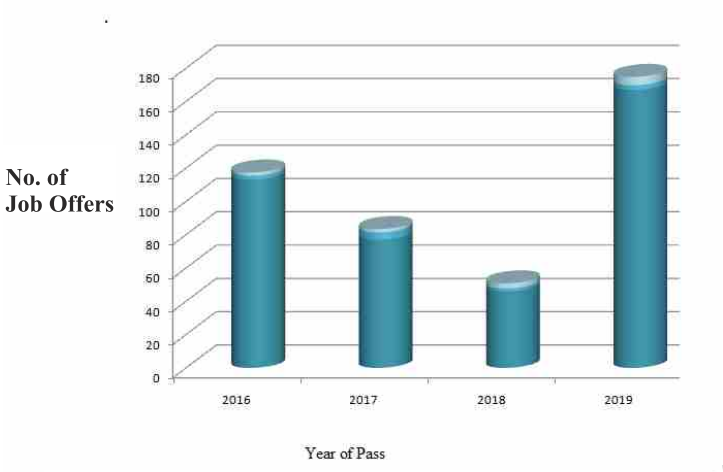
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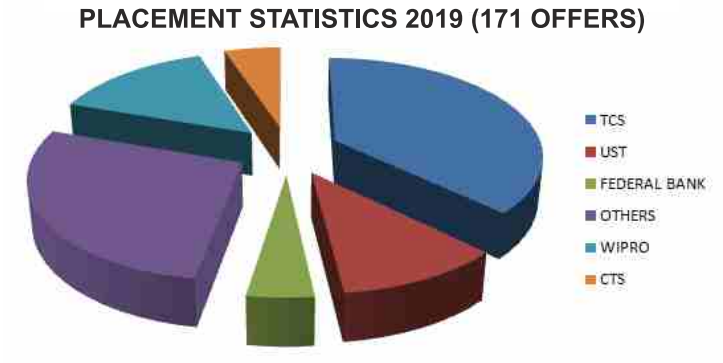
Second Highest Pass Percentage in KTU Result for CSE Students

First batch of KTU CSE Students (2015 Admission) got second highest position in overall S8 KTU examination results with a pass percentage of 93.91%. This batch also received highest number of placement offers. Congratulations to Students and Teachers and placement cell for this historical achievement.

Cse Students Bagged Record Placement Offers

In 2019, CSE bagged 171 placement offers. This is a significant improvement as compared to the placements in the previous year. TCS is the leading recruiter for the 2019 pass out studentss offering 51 job offers, while Wipro and CTS are other major recruiters. 43 companies visited FISAT and gave 430 job offers. Besides leading software companies, companies from the core electronics industry and banks visited the campus. Many students from CSE got offers from more than 3 Companies.



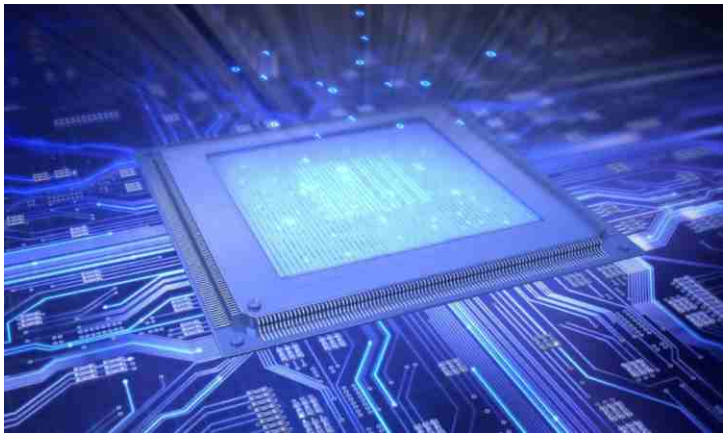


COMPUTER SCIENCE AND ENGINEERING RESEARCH CENTRE STARTED

CSE Department started Research centre with the approval of recognition of research guide by Kerala Technological University (KTU) from 2018th academic year onwards. Our faculty Dr.Arunkumar is also an approved research supervisor of KTU and Visvesvaraya Technological University (VTU), Belgaum, Karnataka. Research scholars can pursue their Ph.D in Computer Science and Engineering at our CSE Department Research Centre. Ms. Hansa J. Thattil and Ms. Anitha T. Nair of CSE department is currently doing their research under the guidance of Dr. Arunkumar M. N. The objective of the research centre is to achieve a high quality research ambience by (I) creating and enabling environment within CSE department (ii). creating the culture for inter-disciplinary collaborations.





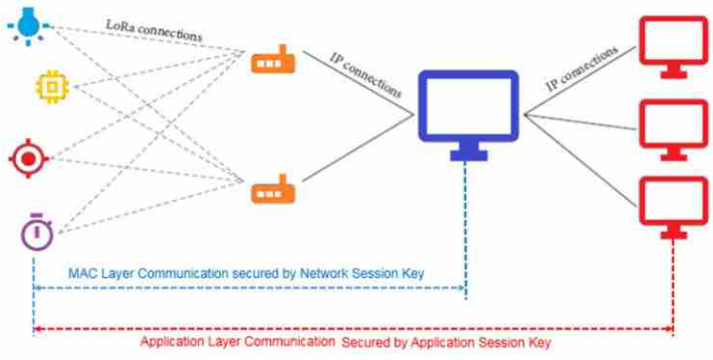


Launching of LoRaWan for IOT Networks

FISAT has planned to launch the first public IoT gateway in Ernakulam district. Technology is LoRa Long Range, a low data rate, low power wireless platform technology for building IoT network. It enables the communication between remote sensors and gateways connected to the Network Server and Application Servers. The Ernakulam community will have two public gateways funded and set up by FISAT, one installed at Alwaye and other at the FISAT campus itself. The public users who need their data to be managed can connect to the gateway free of cost. The gateway is also helpful in promoting public projects in schools and colleges which are within a maximum range of 10kms. LoRa gateway is a gift to the society by the department of Computer Science and Engineering. The project is undertaken by Dr. Jyothish K John and Mr. Pankaj Kumar of the CSE department. The initiative aims to make the department a center of excellence in IoT research. Besides serving the needs of student projects within the department and campus, the gateway interfaces have broad goodwill to support the versatile IoT projects from the district. It is capable of supporting versatile projects in the areas of:

- Air Pollution Monitoring
- Agriculture Processing
- Animal Tracking
- Fire Detection
- Fleet Tracking
- Home Security
- Indoor Air Quality
- Industrial Temperature Monitoring
- Assets Management
- Predictive Maintenance
- Radiation Leak Detection
- Smart Lighting
- Smart Parking
- Waste Management
- Water Flow Monitoring

LoRa Communication Pattern



MoU with Xplore IT Corp

CSE Department has signed a MoU with Xplore IT Corp. Xplore IT Corp Training Institute in Coimbatore is providing various professional training courses for multiple technologies. They are the best leading IT Training institute in Coimbatore that provides Java Training, PHP Training Course, Android Training, Ethical Hacking Training, Python Training and Embedded Systems Training for students, job seekers, working professionals, etc. It was a milestone in the history of FISAT to enrich students and staff members in FISAT.



Fisat Chairman Mr. Paul Mundadan Signs MoU with Sri Satheesh Chandran K R Head -Sales & Marketing Xplore IT Corp

MoU with 'HORTARI TECHNOLOGIES PRIVATE LIMITED'

CSE Department signed a MoU with 'HORTARI TECHNOLOGIES PRIVATE LIMITED' on May 9th 2019. The main objective of this MoU is to stimulate and facilitate the skill development of college students through Hortari platform and other services provided by the Hortari. They provide dedicated "Performance Coach" for the college students. The coach communicates with students and assists on student's skill development activities. They also provide programs such as Mentorship Programs, Organizing Hackathon, Workshops, Guest lectures, Seminars.



Mr. Ajayson Sunny, MD of HORTARI TECHNOLOGIES Signs MoU with Dr Prasad JC, Head of the department, Computer Science & Engineering

7th National Conference ICE FOSS'19

ICEFOSS Inauguration by Dr. Sunil TT, Principal, College of Engineering, Attingal



ICEFOSS is a Free and Open Source Software Conference organized by FISAT Free Software Cell (FFSC). ICEFOSS 2019 held on 19th and 20th of February 2019 was the seventh edition of this conference. With more than 150 participants from various colleges in Kerala, ICEFOSS 2019 was a highly successful event. The conference was inaugurated by Mr. Sunil T. T., a Free Software Enthusiast and the Principal of College of Engineering, Attingal. He also gave a one-hour talk on "Introduction to FOSS". The conference boasted of four 1-day workshops and one 2-day workshop. A project exhibition by sixth semester Computer Science and Engineering Students was also conducted during the Conference.

A two-day "Women Hackathon" was conducted, in association with ICEFOSS 2019. On first day, Mr. Jestin Joy, Assistant Professor, CSE introduced FOSS to the participants and explained why they should start using Free and Open Source Softwares. They were introduced to GNU/Linux Operating System and were taught some basic shell commands. They were also taught how to use git from CLI. On second day, python and flask framework was taught by Mr. Adam Shamsudeen,Research Engineer at Saama. The participants created a tiny Web App using it. The event concluded with a talk on Convolutional Neural Networks by Dr. Sreeraj M., Assistant Professor, MCA, FISAT. The event was supervised by Ms. Keerthana Ashok and Ms. Nandhini S, ICEFOSS, student volunteers. The event received a good reception and the feedback was highly positive. Zonal Meetup of ICE FOSS was conducted on 30th Jan 2019 in FISAT.





Inauguration of Design Project Exhibition by Dr. Sunil TT





Mr Jestin Joy briefing on Free and Open Source Software

RESEARCHER GRANT



CSE DEPT, received Researcher grant from NVIDIA worth **1.5 lakh** for HPC research. As part of NVIDIA GPU Research Grant Programme, Mr. Jestin Joy, Assistant Professor, CSE Department is granted with a 'Titan Xp GPU' for the effective use of FISAT computing research centre and to enjoy the power of GPU computing from the academic year (2019-20) onwards.



NVIDIA Card Received for HPC Research

State minister Sri. Kadakampally Surendran officially launched this system on the institution on 23rd September 2019.

THYRA



Invited Talk by Anand J. on "Storage, Life at Dell and Interviews"

THYRA-The Student Association of Computer Science and Engineering Department conducted an Invited Talk by our Alumni and Department Advisory Committee member Mr. Anand J (Software Engineer at DELL EMC) on the topic "Storage, Life at Dell and Interviews". Anand J was able to capture the attention of the audience by telling them how huge the "storage" field is in the industry and how it is beyond the usb's or hard disks we carry. He was able to expand our perspective on the job opportunities we are offered by giving us ideas of the various fields still left to be explored by the people. By the end of the session, all the attendees were equally glad to have been enlightened by such a wonderful resource person who took out the time to be with us, despite his tight job schedule.The session ended with a key piece of advice by Dr. Prasad J C ,Head, CSE Department on the importance of grabbing the opportunities given to us, no matter how tough it is to achieve the end goal, because opportunities once gone never comes back.

Two day 'Women Hackathon'

A two day 'Women Hackathon', was conducted in association with ICEFOSS on 19th and 20th February 2019. This hackathon which aims to connect and inspire women is intended exclusively for women. Women hackathon provided both an opportunity to create space that would make women leaders of technology and an attempt to solve social problems which could improve the lives of women around the world. It was a two day workshop.

On the first day, our faculty, Assistant Professor Mr. Jestin Joy introduced the participants to FOSS and explained why they should start using Free and Open Source Software. They were introduced to the GNU/Linux Operating System and were taught some basic shell commands. They were also taught how to use git from CLI.

On the second day, python and flask framework was taught by Mr. Adam Shamsudeen, a Research Engineer at Saama. The participants created a tiny webapp using it. This event winded up with a talk on Convolutional Neural Networks by Dr. Sreeraj M, Assistant Professor at FISAT. The whole event was supervised by Ms. Keerthana Ashok and Ms. Sandhini S from ICEFOSS. The event received a good reception and the feedback was highly positive.



Nandini Menon (S6 CS B) was selected as KTU's outstanding Sport Person of the year.



Ajay Diji has secured 1st place in Zonal Basketball Tournament held at Model Engineering College and secured 2nd place in Kalopsia 2k19 Basketball competition held at Rajagiri Viswajyoti College of Arts and Sciences,Vengoor,Perumbavoor.
He represented Fisat in Interzonal Basketball Tournament held at Mohandas College of Engineering and secured 3rd position. Represented KTU in the South Zone Basketball Tournament held at SRM Chennai. Represented Ernakulam in the All kerala State championship and secured 3rd position. Secured 3rd place in shot put and 1st place in 200m in sports held at our college.



Paul Ellias of S1 CS B has secured 215 th rank in Microsoft AI challenge 2018.

Joe J Meleth has secured 1st place in Zonal Basket Tournament held at Model Engineering College. Secured 2nd place in Kalopsia 2k19 Basketball competition held at Rajagiri Viswajyoti College of Arts and Sciences, Vengoor, Perumbavoor. Represented Fisat in Interzonal Basketball Tournament held at Mohandas College of Engineering and secured 3rd position.

Zacharia Jiny (S6 CS B), Nikhil Thomas (S3 CS B), Basil Leju (S2 CS A) and Arjun Krishna J G (S2 CS A) got 2nd prize in Ideathon competition conducted by TKM college in association with IEDC and IEEE . They got direct entry to KSUM IdeaFest.

Ajay Nair (S1 CS A) has secured 3rd position in Encrypta Coding Contest conducted by IEEE NSS SB.
Nandini (S7 CS B) & Ananya Ajith (S1 CS A) won KTU Inter Zone Table Tennis Tournament.

Linda Joy and Maria Sajan of (S5 CS A) got first prize for paper presentation at NIT Tech Fest. They got first prize for paper presentation "Euphoria – 2K19 "at Rajagiri School of Social Science.

Anagha Zacharia (S7 CS A) got second prize for paper presentation "Euphoria – 2K19" at Rajagiri School of Social Science. Mr. Nikhil Mathew (S4 CS B) and Mr.Zacharia Joshy (S6 CS B) won second prize in 'Idea Pitching' competition held at T.K.M Engineering College as a part of Technical fest 'EVOKE'19.

Aswin Kumar K S, Abijith and Dilip Vijayakumar (S6 CS A) presented a paper titled 'cartoonisation of images' in National conference at Viswajyothi college of Engineering, Muvatupuzha.

Jerin Jayaraj (S6 CSA) and Paul (S6 CS B) presented a paper titled 'peer to peer file sharing systems' in National conference held at Viswajyothi college of Engineering, Muvattupuzha. Fathima Salim secured 3rd prize for Chess competition in KTU D Zone.

The team including Visrutha Arundhathi (S5 CS A), Honeymariam Babu (S2 CS A), Anagha S (S2 CS A), Sona Grace (S5 CSA), Swathy S (S7 CS A), and Ananya T Jith (S1 CS A) won APJ KTU Zone Volley ball Tournament.

Aneeta Roy of S3 CSE A secured 3rd prize in the KTU D-Zone Intercollegiate Chess Championship held at Rajagiri School of Engineering and Technology.

The team including Nimitha Joseph (S5 CS B), Aneeta Roy (S3 CS A),Tania M Manoj (S1 CS B), Snehalal C.V.G (S2 CS B), and Femy Mangaly (S1 CS A) got second runner up in KTU D ZONE (G) Badminton Tournament at MACE, Kothamangalam.

Sidharth S Won second prize for the event QFIEDRE in ETERNIA '19, held at Saingit's College of Engineering, Kottayam. Gautam Balamurali secured 3rd prize in the KTU D-Zone cricket Tournament.

Mr.Ajay Nair won 3rd Prize for Encripta coding contest conducted at NSS Palakkad, a state level event by IEEE.

Saurav NS, Liya Laiju, Rishad P, Anagha Zachariah, Shemin Anto presented "Acharya : Intelligent E-learning platform" at National Technology & Science Fair, Codissia, Coimbatore August 2019.

Aswin Kumar S, Dileep Vijayakumar, Abijith Pradeep, Paul Antony, Jerin Jayaraj presented "VASTRA AI : Designing Textiles using Deep Learning" at National Technology & Science Fair, Codissia, Coimbatore August 2019.

Hritik (S1 CS) is a certified professional content writer

TOPPERS

S1 S2

Rithika Liz Bobby (9.35), Gautham S (9.35), Athulaya K B (9.31), Rose Stombell (9.29)

S3 S4

Maria Sajan (9.15), Visrutha Arundhathi R (9.13), Minu Jose (9.09)

S5 S6

Nousheen Sulthana (9.54), Gayathry S (9.36), Nitha Maria Shaju (9.26)

S7 S8

Sweetsy Maria Jerome (8.84) , Sweety Elizabeth Jerome (8.80), Alisha Mohammed Ali K (8.79)

Winners of Pre -Xtreme 1.0 coding competition organised by IEEE

First Prize


Prebiton Paul


Mohd. Hashim


Krishna Bhat

Second Prize


Vaishak Pradeep


Nevin Joshy


Maria Sajan

Third Prize


Basil Leju


Bennet Benny


Anjana M

Consolation Prize


Sam Varghese


Pranoy Lioyd Joseph


Pronoy K Issac

KUDOS to FIRST YEAR STUDENTS

S1 CSE A batch students bagged first prize for Pookalamalsaram.

BEST MAIN PROJECT AND DESIGN PROJECT

Main Project



First Prize: Image Impainting using deep neural network architecture -Akhil Joy S8 CSA



Second Prize: Robotic Glove Mehjabin Mujeeb S8 CSB

Design project

First:Social Robot: Leo Varghese ,Renjith K R, Sandeep Remesh,Yedin Kizhakkethara(S6CS B)

Second: ARIMAA -Anagha Zacharia, Abhirami G, Gopika Raj K, Hridhya Soman (S6CSA)

Paul Elias with Linus Torvalds (Founder of Linux) during the Conference



Paul Elias Sojan of Third Semester Computer Science and Engineering visited Paris for attending Linux conference in November 2019. He was offered a registration scholarship to attend the event.

GATE qualified students (2015-19 batch)

CSE - A

Chandana S | Harigovind V
Sangeeth M | Ribson Roy

The team including Mr. Anuranj won the champions of Heartian & Paulist Cup, Kalamaserry, on 18-3-2019.

Resource Persons from FISAT

Dr.Paul P Mathai inaugurated IT Tech Fest and delivered a talk on "RECENT TRENDS IN COMPUTER SCIENCE" at MAR ELIAS College, Kottapady, on 22-2-2019.

LIST OF FACULTY WITH 100 % RESULT
B.Tech

Ms.Hema Krishnan (System Software -S6 CSB (2016 Ad.year)
Ms.Shimy Joseph (Artificial Intelligence -S8 Elective (2015Ad.year)
Ms.Hansa J Thattil (Data Structures -S8 Global Elective (2015Ad.year)
Ms.Remya R (Web Technologies -S6 B (2016 Ad.year)

M.Tech (2018 Ad.year)
S1
Ms.Preethi N P-Advanced Data Structures
Mr.Jestin Joy-Operating System
Dr.Paul P Mathai-Computer System Design and Architecture
Ms.Lakshmi S-Data Mining Concepts

S2
Dr. Arun Kumar M N-Algorithm Analysis and Design
Dr. Jyothish K John-Advanced Computer Networks
Mr Pankaj Kumar G-Computer Security and Applied Cryptography
Ms.Anitha T Nair-Natural Language Processing & Text Mining
Dr. Paul P Mathai-Advanced Database Concepts

publications details

- Dr.Paul P Mathai published a paper "Machine Learning Approaches used for prediction in diverse fields", in the International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-2S4, July 2019.(Scopus)

- Mr.Jestin Joy published a paper "SiLearn: An intelligent sign vocabulary learning tool" in the Journal of Enabling Technologies.

- Mr.Pankaj Kumar G published a paper "Segmented Keyframe Extraction" in the proceedings of the National Conference on Communication Systems(NCOCS – 2019) , NIT Pondicherry.

- Mr.Pankaj Kumar G published a paper "Optimization Of Logistic Regression Using Elephant Herd Optimization" in the proceedings of the National Conference on Machine Learning and Artificial Intelligence.

- Ms.Hema Krishnan published a paper "Dual Sentiment analysis using Convolutional Neural Network" in the Journal of Advanced Research in Dynamical & Control Systems.(Scopus)

- Ms.Siyamol Chirakkarottu published a paper "Image encryption using chaotic maps and DNA cryptography: A comparative analysis "in the Journal of Advanced Research in Dynamical & Control Systems.(Scopus)

- Mr.Jestin Joy published a paper "Developing a bilingual mobile dictionary for Indian Sign Language and gathering users experience with SignDict" in Assistive Technology Journal. (SSCI, Scopus)

- Mr.Jestin Joy published a paper "SignQuiz: A Quiz based tool for learning fingerspelled signs in Indian Sign Language using Automatic Sign Language Recognition" in IEEE Access.(SCIE, Scopus)

- Mr.Pankaj Kumar G and Dr. Arun Kumar M N presented a paper "Artificial terrain generation for computer games from user description" in International Conference on Artificial Intelligence and Machine Learning (IAIM2019).

- Dr. Prasad J C presented a paper "Flood Monitoring and Prediction Using Phylogenetic Tree Generation System based on UPGMA method for Kerala: A prototype Tool for Decision Assistance" in the International Dam Safety Conference - DIP 2019.

- Dr. Paul P Mathai published a paper "SasyaSneha – An Approach for Plant Leaf Disease Detection", in the International Journal of Advanced Trends in Computer Science and Engineering, Vol. 10, Issue 5, October 2019. (Scopus)

STAFF PROMOTIONS

Dr.Arun Kumar M N was promoted as Professor, CSE Department.

Dr.Jyothish K John was promoted as Associate professor of the Department.

Dr.Paul P Mathai was promoted as Associate professor of the Department.

Mr.Rajesh R was promoted as Senior System Manager.

Ms.Hema Krishnan was promoted to Senior Grade.

Ms.Reshmi R was promoted to Senior Grade.

Ms.Shimy Joseph was promoted to Senior Grade.

Ms.Lakshmi S was promoted to Senior Grade.

Ms.Roshna K I was promoted to Senior Grade.

Ms.Sruthy Suresh was promoted to Special Grade.

Ms.Siyamol Chirakkottu was promoted to Special Grade

Ms.Chethana Joy was promoted to Special Grade.

Ms.Simi Stephen was promoted to Special Grade.

Ms.Soumya.S.Raj was promoted to Special Grade.

Mr. Anuranj.P was promoted to Special Grade.

Ms.Remya.R was promoted to Special Grade.

Ms.Neenu Johnson was promoted to Special Grade.

Ms. Anitha. T. Nair was promoted to Special Grade.

Ms.Meenu Mathew was promoted to Special Grade.

Ms.Jestin Joy was promoted to Special Grade.

FCS RECURITMENT DRIVE

Recruitment to FCS Android group:

A recruitment drive was conducted on 1st February 2019 by the team FCS in M.Tech Lab. Students were asked to develop an Android application of FCS, which was a criteria for recruitment to FCS. Based on their performance students were filtered for HR interview. FCS team members- Binil Kuruvila Joseph, Anagha Zachariah, Sreehari CP, R.Vysakh conducted HR and TR interview.The tasks and overall performance of the participants were evaluated by Rishad, and the top students were recruited to FISAT Consultancy Services based on the marks scored in the above procedures.



Recruitment to FCS Website group

FISAT Consultancy Services (FCS), conducted a one-day workshop in the CCF lab on Web Development on 31st January, 2019.The workshop was led by Sreehari CP, the student head of FISAT Consultancy Services, as the speaker and received an overwhelming response of 15 participants from first, second and third year students of Computer Science and Engineering Department. The workshop was based on Web Designing which mainly focused on the basics of web languages like HTML, CSS, Java script. By the end of the workshop students were asked to design and develop their own website. The website helped them to have hands-on experience in web designing, which was a criteria for recruitment to FCS.



INAUGURATION OF FCS

The inauguration of FCS - Fisat Consultancy Service was done by Mr.Hassum Jacob, the Head of Digital Enterprise Unit at Tata Consultancy Service, Japan on 11th February 2019. Mr. Hasum Jacob is the advisory board member of the department from 2016 onwards. He appreciated the facilities and motivated students to effectively utilize the best opportunities to become professional students with experience by actively participating with the opportunities offered by FCS.The function was commenced by the welcome speech of the Head of department, Computer science, Dr. J. C. Prasad. Fisat Consultancy Service, is intended to build a futuristic innovative opportunity for students. It includes services involving UI/UX design, mobile application, Web design and development, graphic design, Application software developments and Workshops. The student's development association of Computer Science Engineering Department - FISAT Consultancy Services (FCS), was established in the year 2018. The association aims in developing the software projects of outside clients or companies in a low budget manner. It conducts regular weekly meetings in discussing various aspects of the development and keeps updated through conference calls. FCS offers a range of products and services to the needful. From websites to customized applications and workshops, FCS offers companies of all kinds fast, affordable and reliable solutions. Commitment to long-term client success empowers every associate to provide value and flexibility beyond the contract.Our Regular monthly activities include Workshops, Website Development, Poster design, Game designing, App Development etc.We have completed around five projects in a span of 6 months, from the launch of the association.

SL. No	Project Title	Funding Agency	Duration
1	IT Infrastructure Development	Magic Planet	December 2018 – April 2019
2	Farm Management Software(FCS) ribson	Sacred Heart Monastery, Thevara	March 2019 – April 2019
3	Website Design	Petsday	January 2019 – February 2019
4	Bharatham Website	Students Council	Dec18- Feb 2019



Inaugural Meeting of FCS



Launching of FCS Web Site by Principal Dr. George Issac



VISIT TO BIENNALE

As part of the study of the course Design and Engineering in the second semester, students of S2,CS-A were taken to the Kochi Muziris Biennale on 29th February 2019. Sixty three students and faculty members including Dr. J.C. Prasad (HOD,CSE DEPT), Mr. Jiby Varghese, Ms. Sruthy Suresh, Ms. Shimy Joseph and Mr. Gismon Alias were also a part of this visit to Aspinwall, which housed the major installations of this art Exhibition. The theme of this year's biennale was possibilities of a non alienated life. There had been a lot of installations from various Indian and foreign artists that allowed the students to witness and comprehend different cultures and art from across the globe. The visit had an overwhelming response from the entire group of students and faculty who were a part of this journey and it surely provided a wonderful experience to all.



BIENNALE VISIT by
Second semester students of Computer Science &Engineering Dept

SAMANWAYA 2K19

Department of Computer Science & Engineering organized Alumni meet " Samanwaya 2K19" on 13th April 2019.It was an incredible reunion of alumni, faculty and staff members .Around 100 Alumni attended the meeting and gave their valuable feedback and suggestions for the betterment of Institute and CSE Alumni Association. We had a fruitful discussion regarding the growing needs and challenges and steps that could be taken to mould Department's vision and mission to cater to modern corporate world's demands.The meeting of CSE Alumni's commenced at 3.00 pm in the MBA Seminar Hall. Cultural Programmes were also conducted by the Junior students as well as by the Alumni. Meeting concluded by 5.00 pm.



Alumni meet " Samanwaya 2K19

Kerala Blockchain Academy Innovation Club (KBAIC) –FISAT



Kerala Blockchain Academy is an initiative by the State Government under the Indian Institute of Information Technology and Management-Kerala (IIITM-K).Kerala Blockchain Academy Innovation Club (KBAIC) is a novel initiative by Kerala Blockchain Academy (KBA) to help students from academic institutions across the country to explore deep into the potential of the Blockchain technology. KBAIC-FISAT focuses on enabling our innovative minds to learn and explore Blockchain technology and to apply this emerging technology for the good of humanity. KBAIC offers workshops and internships on Blockchain at FISAT campus which will be organized by Department of Computer Science and Engineering.

ICT Recognized FISAT with LOYAL MEMBERSHIP AWARD



ICT Student coordinators Mr.Vysakh and Ms.Visrutha received Loyal membership award from the ICT CEO Mr.Santhosh Kurup.

FISAT was recognized as a loyalty member of ICT Academy of Kerala (ICTK). It is a premium membership for academic institutions and ICTK offers different services which include:

Train the teachers on Life Skills Training.

Conducts Employability Quotient Test (EQT) to the students with detailed report.

Free copies of ICATK annual magazines.

A minimum of 100 students will be trained on various technologies through their partner program.

Employability Quotient Test conducted

FISAT being the premium member of the ICT Academy of Kerala 2019 onwards, ICT conducted an Employability Quotient Test for our students on 14th November 2019. 94 students from various branches of the Engineering stream attended the online exam. The duration of the test was 60 minutes and students were evaluated based on their quantitative, reasoning, verbal ability and IT awareness. The EQT test helped the students to know whether they are fit for the industry and also to identify their weak points so that they can sharpen their skills before facing job market.



Conduction of Employability Quotient Test

CELESTIA 2019

The ACM student chapter, FISAT is one of the few existing active ACM chapters in Kerala and has already led the students down the path of wisdom in the field of computer science. One of the ongoing ACM events held under the leadership of ACM student chapter, FISAT is Celestia, an inter-collegiate quiz competition held annually during the months of April and May.

Celestia2k19 was conducted on 9th May in the main seminar hall. Lakshmi A S, the chairperson of ACM student chapter FISAT organized the event with the support of Ms.Sruthy Suresh, staff co-ordinator of ACM student chapter, FISAT and a set of active ACM student volunteers. The quiz was conducted in two rounds. First round was a one hour written test based on 20 objective questions and a total of 14 teams participated. A total of seven teams qualified the first round and five teams were selected from them after a tie-breaker round.

The second round was an oral round which commenced at 11am and was hosted by Ailin Maria and Sandeep, the quiz masters. This round filled the students with the true spirit of a quiz competition. By the end of the second round, Nevin Joshy and Prebiton Paul, a team of two second year CS students were declared the winners by the quiz master and a prize money of Rs.2000/- was given. Certificates were distributed to all the participants and the event concluded at 12.30 pm. The whole event turned out to be grand success after considering the participation from the part of students and the hard work really got paid off.



Conduction of Celestia Quiz Programme



CELESTIA 2K19 Winners

SMRITHI CODING CONTEST

Smrithi Coding Contest was conducted on 24th April 2019. It is a technical event where students can showcase their coding skills in a creative and stimulant competitive environment. The event provides a stage to showcase one's skill and find new knowledge.10 teams of 2 students each participated in the event.



WINNERS OF SMRITHI CONTEST

Yedhin Kizhakkethara -S6 CS B(3000/)
Prebition & Nelvin Joshy S4 CS B(2000/)
Shemin Anto & Shreyas S Kumar(2000/)

Blind CODING 2K19 WINNERS



Yedhin Kizhakkethara -S6 CS B
Albert Francis S4 CS A
Elizabeth Josy -S6 CS A

SPECIAL ONAM CELEBRATIONS

Onam was celebrated on September 7th, 2019 with pomp and gaiety. S1 CSE A batch students bagged first prize for Pookalamalsaram. Many events such as Pookalamalsaram, Tug of war, Malayali Manka, Kerala Kesari which reflect the spirit of Onam were held. CSE Students visited and shared food in the following places as charity program from the contribution of CSE students and staff. 1.Thiruhrudaya Sadanam Mookkannoor 2. AkasaParava, Malayatoor, 3.CMC Mariam House Kariad, 4.Immanual Orphanage, Azhakom, 5.Kripasadanam OldAge Home, Karayamparambu.



SELF LEARNING LAB

CSE department of FISAT started Self Learning labs in Department Library. Self Learning works on projects when it's convenient for them. Self Learning does not include any instructions.

GOOGLE CLOUD PLATFORM - Addon Course

Nearly 50 students joined to build skills for the future with the Google cloud learning. Mr.Jestin Joy is the faculty mentor of this program. Those who complete all 6 courses in 'Architecting with Google Cloud Platform' will be eligible to receive Google Cloud branded Sipper.

ARANGU WINNERS

Sanika T C (S1 CS A) secured first prize in English Elocution.
Nanditha Balamurali (S1 CS A) secured second in classical music.
Rosemol M Babu (S1 CS A) secured third prize in poetry writing.

Orientation Program for First Year CSE students

Purpose of the Student orientation Program is to help new students adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution, help them build bonds with other students and faculty members, and expose them to a sense of larger purpose and self exploration. Students need a proper orientation for evolving and integrated approach towards engineering studies and development of their overall personality. An orientation program was conducted from 27th July to 4th Aug 2019 for first year students.

Add on Course- C-Programming (As part of first year induction program)

As part of induction program for 2019 admission first year students, an add-on course on C-Programming was conducted by Computer Science and Engineering department from 23rd July, 2019 to 27th July, 2019. Initially students of various departments were mixed and accommodated them in 10 different divisions starting from A to J (Total 171 students). The students of each batch were from different higher secondary backgrounds like mathematics, computer science and biology. So, many students had difficulty in programming subjects which are essential for all branches now-a-days. For every division there was a four hour theory session and three hour lab session for C Programming. Many CSE department faculty members actively participated in conducting sessions for the same. The topics included basic programming concepts, syntaxes, branching and looping, arrays, structures, files etc. The practical sessions were handled by the technical staff members of CSE department. Students were very much interested on the way the program was conducted and they gave a very good feedback during the concluding session. The program gave a very good pillar for all the students who are going to study programming later in their B.Tech program.

International Conference



Official Website for fifth International Conference "ADVANCED COMPUTING AND COMMUNICATION TECHNIQUES FOR HIGH PERFORMANCE APPLICATIONS" (ACCTHPA) has been officially launched by Dr.K.S.M.Panicker, Director Academics on 1st November 2019. Accepted papers will be published in IEEE Xplore. The Conference will be held on 2nd,3rd and 4th July 2020.



Launching of Official Website for Fifth International Conference

Govt. Funded Research Project Completed.

Mr.Jestin Joy, Asst.Professor, CSE Department has successfully finished the funded Project on "Malayalam Signs: Mobile based ISL dictionary". The project was funded by Centre for Disability Studies, Kerala. The duration of the project was from January 2018 to May 2019.

MANTRA 2019 – ANNUAL CSE DAY



Chairman Paul Mundadan Inaugurates MANTRA 2k19

The Annual CSE Day – Mantra 2019, was conducted in a grand manner on May 9th 2019,in association with THYRA – The association of computer engineering students. Signing of MoU with XPLORE IT CORP, Technical Talk, Workshop, Final Year Project expo, Celestia 2019 by ACM etc were the major events.

The event commenced at 10.00 am in the MBA seminar Hall, with a Workshop on "Agile Software Technology & SCRUM methodology" by Roopa K Nair (TCS Ninja Coach) & Ann Mary Chacko (Project Manager, TCS). Meanwhile, Final year project exhibition was inaugurated in the Auditorium at 11 am by Dr George Issac, Principal. The final year CSE students' exhibition, mainly focused the attention of junior CSE students, to make them aware of the rich technologies and opportunities they have.The students of the CSE department were given time slots for visiting the project stalls and to learn about the new technologies and innovations of their seniors.

A technical talk on "Cyber Security" by Aravinth Kuppusamy, Head - Training & Development, XPLORE IT CORP commenced at 2.00 pm in the MBA seminar hall.

A quiz competition-Celestia '19 was held, in association with ACM Chapter of CSE Department. It was an intercollegiate quiz competition in which numerous teams from various colleges participated. The finalists of Celestia '18 were selected after rigorous prelims and eliminations.

The official inauguration of MANTRA 2K19 commenced by 3.00pm in the main seminar hall. Dr. Prasad J C, Professor & Head of the Department, FISAT welcomed the gathering. Sri. Paul Mundadan, Chairman,Governing Body,FISAT inaugurated MANTRA 2K19 by lighting the lamp. Dr. George Issac, Principal , Dr.Sunny Kuriakose, Dean, Student Affairs , Sri Satheesh Chandran K R , Head – Sales & Marketing , XPLORE IT CORP , felicitated the gathering.

After the inauguration, CSE department FISAT signed MoU with XPLORE IT CORP and it is a major milestone in the history of FISAT to enrich students and staff members of FISAT.

The winners of both academic and non-academic ventures were awarded cash prizes, mementos and certificates.



Project Exhibition Inauguration as part of MANTRA

Best Main project
Cash Prize Rs 3000, Certificate and Memento
Image Impainting using deep neural network architectures by Akhil Joy, S8 CS A

Best Second Main project
Cash Prize Rs 1500, Certificate and Memento
Robotic Glove by Mehjebin Mujeeb, S8 CS B

Best Design project
Cash Prize Rs 3000, Certificate and Memento
Social Robot by Leo Varghese, Renjith K R, Sandeep Remesh, Yedhin Kizhakkethara, S6 CS B

Best Second Design project
Cash Prize Rs 1500, Certificate and Memento
Arimaa by Anagha Zachariah C, Abhirami G, Gopika Raj K, Hridya Soman, S6 CS A

ACM Celestia 2k19 QUIZ Winners
First Prize: Rs 5000, Certificates
Prebiton Paul & Nevin Joshy, S4 CS B

Second Prize: Rs 3000, Certificates

Shagheej Memorial Coding Competition SMRITHI 2k19 Winners

- Yedhin Kizhakkethara
  S6 CS B(Cash Prize Rs 3000, Certificates)
- Prebiton Paul & Nevin Joshy,
  S4 CS B(Cash Prize Rs 2000, Certificates)
- Shemin Anto & Shreyas S Kumar,
  S2 CS B(Cash Prize Rs 2000, Certificates)

Blind Coding 2K19 Winners

First Prize: Rs 1500, Certificate - Yedhin Kizhakkethara, S6 CS B

Second Prize: Rs 1000, Certificate - Albert Francis Xavier, S4 CS A

Third Prize: Rs 500, Certificate - Elizabeth Josys, S6 CS A

Best Outgoing Student award was presented to Gopika Ajit of S8 CS A.



Special Recognition award was presented to Sreehari C P of S8 CS B.



CODISSIA EXHIBITION

CSE students got an opportunity to exhibit their projects in National Science and Technology Fair 2019 in Coimbatore. Students exhibited their products before a very large crowd. The exhibition is to create and encourage a fellow feeling and co-operation among the manufacturers and consumers in Small Industries in Coimbatore District and to evolve a common policy on all subjects involving their common interest. Details of the batches that participated at Codissia:-

- Saurav NS, Liya Laiju, Rishad P, Anagha Zachariah, Shemin Anto presented "Acharya : Intelligent E-learning platform" at National Technology & Science Fair, Codissia, Coimbatore, August 2019.

- Aswin Kumar S, Dileep Vijayakumar, Abijith Pradeep, Paul Antony, Jerin Jayaraj presented "VASTRA AI : Designing Textiles using Deep Learning" at National Technology & Science Fair, Codissia, Coimbatore ,August 2019.



Cognitive Computing Research Centre

Cognitive Computing Research Centre (CCRC) established in 2019, aims at developing high quality, research work and analysis. The areas of research include machine learning, decision making in computation games, reasoning, natural language processing, speech recognition and vision, human-computer interaction, dialogue and narrative generation etc. In 2019, the research centre has published 13 papers in various National, International conferences and journals. CCRC has conducted a free 40 days internship programme for students in the current year. CCRC is an initiative of the Department of Computer Science & Engineering under Dr Prasad J C. The research centre is headed by Mr Pankaj Kumar G.

Publications

Anagha Zachariah C,Pankaj Kumar G,Arun Kumar M N,"Terrain Generation from user text using cellular automata", in "International Journal of Recent Technology andEngineering (IJRTE) (SCOPUS), vol:8, Issue:3,september 2019

Abijith Pradeep, Aswin Kumar K.S, Dileep Vijayakumar," Cartoonization of Images", "National Conference on Latest Trends in Computational Engineering Methods", March, 2019

Abijith Pradeep, Aswin Kumar K.S, Dileep Vijayakumar, Paul Antony, Pankaj Kumar G," Optimization of Logistic Regression using Elephant Herd Optimization","National Conference on Machine Learning and Artificial Intelligence", August 2019

Paul Antony ,Jerin Jayaraj,"Peer-to-Peer File Sharing Systems", National Conference on Advanced Computing and Communication Technology", March 2019

Anagha Zachariah C,"Recent Advances in Game Search Trees",National conference on latest trends in computational engineering methods ", March 2019

Jerin Jayaraj, Paul Antony, "Peer-to-Peer File Sharing Systems", in "International Journal of Engineering Research & Technology (IJERT), Volume 7 - Issue 05, 5 August 2019,

Anagha Zachariah C, Pankaj Kumar G, Dr, Arun Kumar M N,"Artificial Terrain Generation for Computer Games from User Descriptions" , "International Conference on Artificial Intelligence and Machine Learning", April 2019 Linda Joy, Maria Sajan, Pankaj Kumar G, NIT Pondicherry" Segmented Key Frame Extraction", National Conference on Communication Systems", NIT Pondicherry, September 2019

Anupriya Dominic, Shemin Anto, Anjaly J A, Pankaj Kumar G, Removing Sensitive Private Medias Files From Web Using Block-Chain Technology, National Conference on Blockchain and Smart contract Technologies, NIT Trichy, November 2019.

Anagha Zachariah C, Pankaj Kumar G, Dr, Arun Kumar M N, "CloudStore : A framework for developing progressive streaming games ", International Conference on Big data and Cloud Computing (ICBDCC19) (SCOPUS), December 2019.

Abijith Pradeep, Aswin Kumar, Dileep Vijayakumar, Allen Sunny, Paul Antony, Pankaj Kumar G, "Intelligent cloud load balancing using elephant herd optimization", International Conference on Big data and Cloud Computing (ICBDCC19) (SCOPUS), December 2019.

Jerin Jayaraj, Maria Sajan, Linda Joy, Narayanan V Eswar, Pankaj Kumar G, "Re-Ranking ODI batsman using JJ metric" , International Conference on Big data and Cloud Computing (ICBDCC19) (SCOPUS), December 2019.

Jerin Jayaraj, Paul Antony, Shemin Anto, Narayanan V Eswar, Pankaj Kumar G,"YouTube Comment Based Video Ranking System", International Conference on Digital Technologies and Transformation in Academic Libraries , December 2019.

Programmes Conducted

Cognitive Computing Research Centre (CCRC), FISAT conducted 40 days free internship program. More than 30 students from the Computer Science & Engineering department attended the program. The internship program was handled by Mr Pankaj Kumar G. The programme covered various technologies like Cloud Computing, Machine Learning, Blockchain, Data Analytics Etc.

Workshop on "Modern Programming Standards and Paradigms" was conducted on 05/09/2019. Resource Persons : Abijith Pradeep, Aswin Kumar S

SEMINAR/TALKS

A Special talk on Impact of Digital Technologies "An insighters view"



A session by Hasum Jacob T, Head, Digital Transformation Services of TCS was conducted for the students of the Computer Science and Engineering Department on 8th February 2019. He motivated the students about the importance of digitization and its increasing relevance on human life for the last few decades. His speech on 'Digital Technology –Insider's view' gave a thorough outlook on the world from a different perspective. His speech threw light into technological innovation that has created an opportunity for learning and growing together.

A talk on BLOCK CHAIN

Sosu Alex, Blockchain Technical Architect at Tata Consultancy Services conducted a talk and hands on session on "Introduction to Blockchain" on 19th February 2019. She introduced open source projects like Linux Foundation supported by Hyperledger for Blockchain technology.

Building your own OS



Mr.Anoop.M.S taking classes on 'How to build an OS'

ACM Student chapter of FISAT, took a great initiative for conducting a talk at the main seminar hall at FISAT on 26th September 2019.The speaker of the day was Mr.Anoop.M.S. He discussed about the origin of OS, advantages of OS, how to build an OS with our own ideas, the softwares that can be installed, the tips for code lovers, how much of the Linux based machines are highly customized, etc.

Talk on Agile Technologies on Software Developments



Ms.Roopa K Nair and Ann Mary Chacko briefing on the concept of Agile Technology and SCRUM Methodology

Ms Roopa K Nair (Agile Ninja Coach) and Ann Mary Chacko (Project Manager TCS) gave an overview about the concept of Agile technology and SCRUM Methodology on 9th May 2019. Around 50 sixth semester students participated in the session. The session was extremely enthusiastic and created a sense of competition and interest among all the students involved in the session. As a whole the session was truly remarkable and informative.

Talk on Future Career Options

A talk was given by Avinash Heston and his team from Byju's on 12th March 2019 on options for Future Career. They motivated the students by sharing their experiences. They gave an idea about Indian Exam Scenario (CAT,GRE,GMAT,TOEFL,IELTS,MAT etc).They gave proper guidance about various online courses and projects to take up and research papers to submit.

One day Tech Talk on AI

Department of Computer Science and Engineering conducted a one day talk on Artificial Intelligence for students of the department on 2nd August 2019.The session was jointly handled by Mr. Unnikrishnan and Mr.Amrith Krishna.Both of them are members of CSE Alumni. Mr.Amrith Krishna received Ph.D from IIT and Mr.Unnikrishnan is now pursuing his Ph.D from IIT Karagpur. The areas they covered are Auto suggestion and Auto completion during a google search, Machine Learning basics, Deep learning and Computer vision. They also suggested some useful sites for reference including YouTube channels like Sirajravel and 2 minute papers. Around 40 students from S3 and S5 attended the session.

Network Security & Ethical Hacking

An interesting session on Ethical Hacking was conducted for CSE students by two renowned persons Mr Abhimanyu E and Mr Kaviraj S on 22nd March 2019. Both of the speakers are well certified on ethical hacking. They familiarized the rules and regulations that has to be followed in India in order to do legal hacking and familiarized about various tools that has been used in hacking. Around 80 students participated in the session.

Alumni interaction by Mohammed Farhan(18 February) and S vaishak(21 February) 2019 Mohammed Farhan, CSE alumni and Security Consultant at Synopsys Software integrity Group talked on importance of taking up research and development opportunities. He focused on suggestions on taking up learning opportunities for generating exploitable knowledge, technologies, new products and processes. He emphasised on continuous learning to ensure that all skills stay relevant to the industry we work with.

S Vaisakh CSE alumni and developer at Tata Research Development Band and Design centre, Pune emphasised on selecting the right domain that suits an engineer. As part of software industry, there are various domains that one can stick on to. This needs to be selected based on ones interest towards the domain, opportunities for the domain and capability to grow in the selected domain in the organisation one is part of. He quoted various examples from his organisation and motivated the students on learning towards excellence in the domain of their interest.



iOS Development and Industry Support Lab

The Computer Science and Engineering Department has signed an MOU with CDNS Technology on October 2019. CDNS Technology India Pvt Ltd is Apple Authorised Solution Expert Education. CDNS provides training related to Mobile App Development on iOS platform which is the world's leading and demanding domain.
CDNS has setup an iOS Development MAC Lab for our CSE department. This lab consists of 12 Macbooks,2 iMacs,6 iPads, few iPhones, Apple TV and Apple storage solution. CDNS has provided FISAT with 2 Apple certified Trainers for conducting classes and 130 hours of training for students. Students were selected for this course based on a screening Test. The curriculum is designed to teach iOS programming through the creation of multiple apps using Swift, the iOS SDK, and Apple developer tools. Students will learn the use of iOS devices and its in-built Applications. They will be able to use Mac and Xcode efficiently. This will help to improve their inbuilt creativity, strategic thinking, and strategic planning. They will also be confident enough to design projects and public presentations and create and upload apps to the App Store.



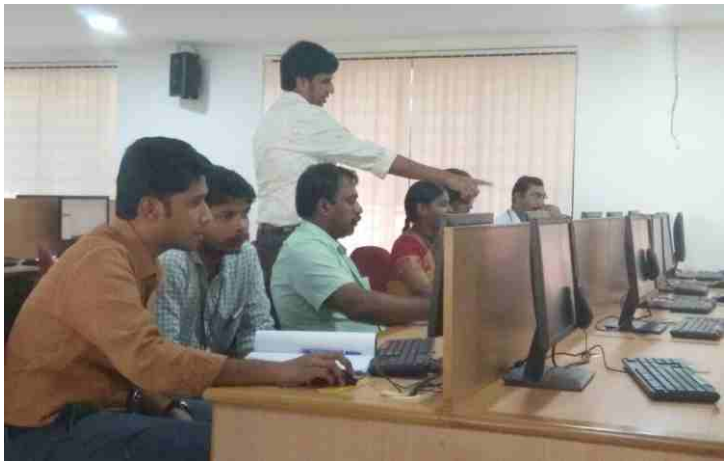
Principal Dr.George Isaac inaugurates IOS Development Course



Principal Dr.George Isaac and Director Dr.K.S.M Panicker inaugurates renovated IOS Lab

Moodle Workshop

Mr.Mahesh C, Asst.Professor, Computer Science and Engineering Department conducted moodle workshop on 8th February 2019 in Computer Lab. Around 30 interested faculty members participated in the workshop. Moodle is a software that can be used to conduct viva ,online exams, and for giving notes to students.



Moodle Workshop by Mr.Mahesh C

Workshop on Linux Installation and Dual Boot

Workshop on OS installation was conducted by S4 CS-B students on CCF Lab 9 on 28th March and 2nd April 2019. Main topics covered were OS installation, Dual OS installation, Driver installation. Second semester and fourth semester students of the Department participated in the session.

Workshop on Introduction to "Linux DISTRO FEST" FISAT Free Software Cell (FFSC)

Free Software Cell of FISAT conducted an event "Linux DISTRO FEST" for the first year B.Tech students on 20th September 2019 at Microprocessor Lab .Introduction to FOSS, Linux Environment, Installation of Linux, Familiarization of different Linux Distros and Desktop Environments were discussed in the event.

Three day Workshop on IOT

The workshop on IOT was conducted for three days by ICT Academy of Kerala which was organised by CSE Department on Oct 10, 11 and 14, 2019 . Dr Sreekanth, Mr Sreeraj, Mr.Nithin P S coordinated the workshop. Dr.Sunny Kuriakose, Dean (Student Affairs) inaugurated the workshop. Dr.Prasad J C welcomed the gathering.

The First day commenced with an introduction to embedded systems. To make the presentation more simple,some real time examples like coffee machines, MRI scanner etc were explained. The afternoon session became more interesting with a video on implementation of IoT in real life. The participants were divided into groups and a simple Node MCU project was done later in the session (LED Blinking).

The Second Day of the workshop started with an introduction to different sensory modules like Ultrasonic sensor, Temperature Sensor, LDA and different projects were implemented based on them. The concept of cloud storage and its advantages were studied. The speaker demonstrated how to use ThingSpeak to upload output from the sensors and how others can read the output from ThingSpeak. On the third day, the sensor values were uploaded to Ubidots. The primary advantage of the Ubidots over ThingSpeak is that there is less time gap for free accounts (for 30 days). The third day concluded with a valedictory function with vote of thanks by the Head of the Department and students. Dr.Jyothish.K.John coordinated the program. The certificates of the workshop were also distributed.

Bioinformatics Tools Workshop

A workshop on Bioinformatics Tools was organised for final year Computer Science and Engineering students on 23rd Sept 2019. Prof. Shyam Mohan, Head of the Department, Bioinformatics , Union Christian College, Alwaye was the the resource person for the same.



Internship program for First year and Second year CSE Students

An internship was provided to the 120 students of Second semester Computer science and engineering Department, FISAT from 8-07-2019 to 12-07-2019 and 24-08-2019 to 28-07-2019.Training was conducted on various latest technologies by experts in concerned areas and a Certification course on Certified Secure Computer User by XploreIT Corp was provided.

The topics for Training were : Certification for Secure Computer User (CSCU), PHP Introduction, Java DS, Image Processing Techniques, Git, LATEX, Bootstrap for Web, Networking & IPC, Wireless Technology and Motivational Sessions.Resource Persons of the training were Mr.GopiChand from IT Xplore, Mr Pankaj Kumar G, Assistant Professor, Mr.Anil Kumar, Associate professor cum Research Scholar, IIT Madras, Dr.Prasad J C, Dr.Jyothish K John, and Sri. Gireesh Kumar, Director, Gadgeon.

By the end of this internship program the students acquired a knowledge on the usage of various softwares and languages which definitely boosted their skills and practical knowledge. Overall it was a huge success as it succeeded in what it intended.



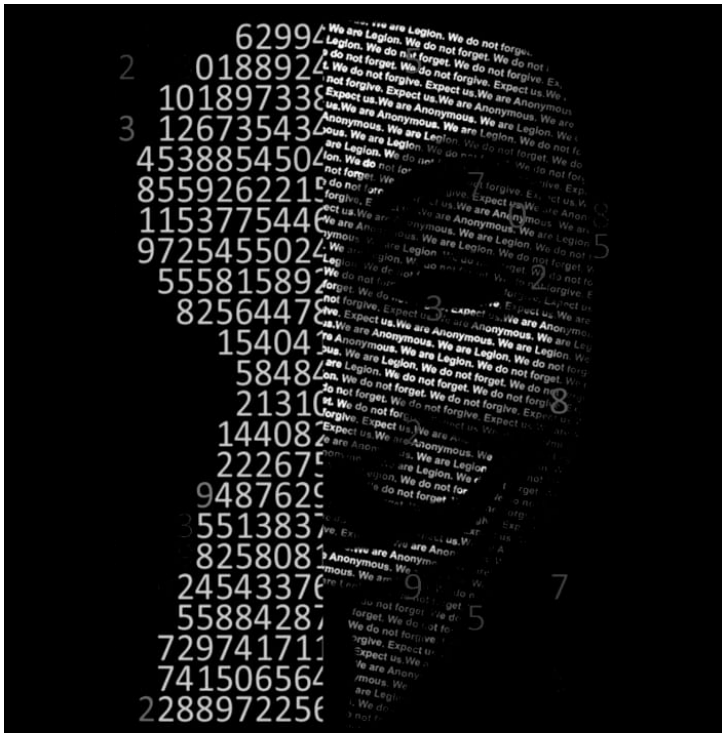
Technical Talk on Sales Force

Computer Science and Engineering Department of FISAT organized a one day Technical talk on "Sales Force" for the students of the department on 7th August, 2019 from 2:30 pm to 4:30 pm. The event was hosted by Sona Grace. On behalf of faculties Shimy Madam and Simy Madam of the department organized this event. It started with a prayer by Anet. The session was handled by Mr.Deepak Anand and Ms.Shruthi Sreedharan.Ms.Shruthi Sreedharan is a certified Advanced Developer and Application Architecture to develop and Implement Salesforce. She has been part of Multiple App Exchange, App Development projects such as Data visualization, Recruitment and Transportation. Mr.Deepak Anand is a Salesforce mvp and a salesforce Architect at Dazeforce Technologies Private Limited.The talk went on by a friendly discussion on the topic between the speaker and the students. Mr. Deepak interacted with the students in a better way and all his points were clear and crisp so that it was easy for the students to understand. Along with this they included topics such as App Exchange, App Development, Service cloud etc. At the end of the session they conducted a quiz for the students and those who answered were given a token of appreciation. The event came to an end with a vote of thanks by Darshana.



Two-days workshop on CYBER SECURITY AND ETHICAL HACKING

FISAT Consultancy Services (FCS), an initiative of CSE Department, FISAT, conducted a two-day workshop in the CCF lab 6 about "CYBER SECURITY AND ETHICAL HACKING" on 9th & 10th March, 2019. The workshop was led by Sreehari CP, Certified Ethical Hacker as well as the student head of FISAT Consultancy Services. The workshop received an overwhelming response of 65 participants which included 35 participants from other colleges from different branches and 30 participants from FISAT residing in different branches. The workshop included introduction and familiarization of different hacking tools of KALI Linux and provided a hands-on experience for the participants. A challenging CTF was introduced to participants to enhance their competence and team spirit. First prize of Rs 1000/- was awarded to Gautham Krishna and Jibin George (FISAT), Second prize of Rs 900/- was awarded to Shemin Anto and Shreyas Kumar (FISAT), Third prize of Rs 300/- was awarded to Amita Ajay and Hridya Soman (FISAT). Technical assistance for the workshop was provided by Rishad P, an active as well core committee member of FISAT Consultancy Services and the volunteering activities were done by Nikhil Thomas, Anagha Zachariah, Vysakh, Saurav NS. The closing ceremony was resided by Dr. Prasad J C (CEO FCS), Sreehari CP (COO FCS), Ms. Chethna Joy and Ms. Hansa J Thattil (Staff-in-charge FCS).





Classes by Sreehari on Network Security



Inauguration of Seminar



Cash Prize for performers of Workshop





STUDENTS WITH PLACEMENT OFFERS (2015-2019 BATCH)

Sl.No	Name of the Student Placed	Name of Employer
1	Ahamed Sinan K B	TCS,Ruby Seven Studios,Speridian, Keyvalue Systems
2	Aiswarya J G	CTS,US Technology
3	Aiswarya S	TCS
4	Aiswarya Venugopal	TCS
5	Akhil Antony V	TCS
6	Akhil Jose	Wipro
7	Akhil Joy	TCS
8	Akshara P P	TCS
9	Alfi Naseer	US Technology,CTS,6D Technologies,TCS
10	Alisha Mohamed Ali K	TCS
11	Alsa Suresh	TCS
12	Amrutha A C	TCS, Federal Bank
13	Anan Ashraf	TCS
14	Ancelin George P	TCS
15	Anjali Vijayan	TCS,US Technology,CTS
16	Anshil Shajil	Sutherland
17	Anupa Saji	Infosys,TCS
18	Arun K	Wipro, Federal Bank
19	Arun N G	TCS, IBS
20	Arun Suresh	Wipro
21	Athira Saiju	Infosys, TCS, Wipro, Poornam
22	Atul Krishnan	TCS
23	Binil Kuruvilla Joseph	TCS
24	Chithira Raj	Wipro,IBS,Infosys
25	Christie M Raju	TCS
26	Deepak Pradeep	Sutherland
27	Derik Roby	Dexlock,TCS
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PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

Graduates of Computer Science and Engineering will
PEO1 - (Successful Careers) : Achieve successful careers in the IT industry with their knowledge, interpersonal skills and adaptability to evolving industry trends.

PEO2 - (Commitment to Society) : Be industry ready professionals with ethics, knowledge and entrepreneurship to drive social change and lead development in the industry.

PEO3 - (Lifelong Learning) : Possess interest in pursuing higher studies, enriching soft skills, adopting ethical code of conduct and life-long learning.

PROGRAMME SPECIFIC OBJECTIVES (PSOs)

Graduate Program in Computer Science and Engineering will demonstrate:
PSO1 : Theability to implement, analyze and develop algorithms based on computational theory in the fields of networking, machine learning, data mining, pattern recognition, robotics and other important areas of computer science for productive and effective design of computer-based systems of diverse complexity.

PSO2 : The ability to apply standard engineering practice, strategies and tactics for the development and management of software and hardware projects, using open source programming environments to deliver quality end product.



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Special Thanks to
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