

# ST. XAVIER'S CAMPUS CONNECT

Volume IV Issue 9  
April 2024



## VISION

To be an institution of eminence of optimal human development, excellent engineering education and pioneering research towards developing a technically-empowered humane society.

## MISSION

To transform the (rural) youth into top class professionals and technocrats willing to serve local and global society with ethical integrity, by providing vibrant academic experience of learning, research and innovation and stimulating opportunities to develop personal maturity and professional skills, with inspiring and high caliber faculty in a quality and serene infrastructural environment.



## CORRESPONDENT'S MESSAGE

**Rev. Fr. Dr. M. Maria William**

I am immensely happy to meet all of you yet again through this issue of Campus Connect. This is season of festivals and celebrations for our beloved institutions, and therefore days of coming together and enjoying. After the celebration of Techfest, Sports Day and College day, we are celebrating the Grand Finale of the Silver Jubilee.

We are indeed very happy to welcome our beloved new Bishop and our Chairman Rt. Rev. Albert Anasthas as the president, and our honorable Vice Chancellor Dr. R. Velraj as the chief guest to grace this function. We also get the chance of meeting many good –hearted persons who worked for this college even from its very inception, and many of the respectable stakeholders and advisors to acknowledge their contributions and thank them.

These days we fondly reminisce the proud history of our institution and also dream of its future developments by way of preparing credible perspective plans. Gratifying days, indeed!

At his blissful juncture I would like to wish all of you a happy and meaningful celebration of the Grand Finale of our Silver Jubilee and an enriching experience of coming together.

## Inside This Issue

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## Upcoming Events

- Jubilee College Day - 12.04.2024
- Jubilee Finale - 20.04.2024
- ICRECS-2024 - 23.04.2024 & 24.04.2024
- An orientation program on "Effective assessment tools and measuring attainment of outcomes" - 25.04.2024



**St. XAVIER'S**  
CATHOLIC COLLEGE OF ENGINEERING  
(Autonomous)

Chunkankadai, Nagercoil - 629003  
Kanyakumari District, Tamil Nadu

Approved by AICTE & Affiliated to Anna University, Chennai  
Accredited with 'A' Grade by NAAC  
UG Programs(ECE, EEE, Mech, Civil, CSE & IT) Accredited by NBA  
Recognized under section 2(f) & 12(B) of UGC Act, 1956  
UG Programs(ECE, EEE, Mech, Civil, CSE & IT),  
MBA & MCA Programs Permanently Affiliated

## PRINCIPAL'S MESSAGE

Dr. J. Maheswaran



My Heartiest congratulations to the Editorial faculty members of our Newsletter team for bringing out this issue in a successful way. This period is full of activities and lot of achievements by our students in co curricular,extra curricular activities .My appreciations to all the achievers. Good. We conducted TechFest and Sports Day in a successful manner. College Day and Jubilee finale are on anvil.

All the very best

### EVENTS

#### SPORTS DAY -2024

The annual Sports day was held in our college g on 15/03/2024, at 9.30.am. Our Correspondent Rev. Fr. Dr. M. Maria William presided over the Sports day function. The Chief Guest of the day was Mr.S. Sivarajan , International Volleyball player Southern Railway. Our Principal, Dr. J Maheswaran welcomed the gathering. Rev. Fr. M. Francis Xavier, our Bursar, lighted the Olympic Torch.



#### TECH FEST - 2024

Tech Fest-24, the annual technical carnival organized by the Centre for Research and Development (CFRD) of St. Xavier's Catholic College of Engineering, was held on 14th March 2024. A total of 3352 registrations were received for all the events, indicating an enthusiastic participation from the student community. The fest comprised a diverse range of events catering to both individual and group participation, totaling 18 events. The Principal Dr. J. Maheswaran delivered the welcome address.The Correspondent Rev. Fr. Dr. M. Maria William delivered the presidential address.





St. Xavier's Merit Scholarship Exam for the academic year 2024-25 was conducted on 27-3-2024 (Wednesday). Registration process started at 8.30 a.m and the Exam begins by 9.30 a.m. The examination was conducted in different venues and about 469 candidates attended the examination.

An orientation was arranged for the parents in the Conference hall at 10.00 a.m. Dr. M. Marsaline Beno, Dean-Research, delivered an inspiring speech on "The role of parents to choose the career of their wards". Dr. R. P Anto Kumar, Dean-Academics, gave a valuable speech on "How to select the best higher education institution". Our Principal Dr. J. Maheswaran proposed the vote of thanks.



## STUDENTS ACHIEVEMENTS

- **Bernisha B** of IV year EEE has won the Second prize for paper presentation and **Rishu Gran S** of IV year EEE has won the Second prize for Circuit debugging in ELECYUVA 2K24 held at Rohini College of Engineering on 28/03/24.
- **Ashni Jenisha P** of II EEE has won Excellence award for Poem writing in RACE 2024 held at FEED Nation, Chunkankadai National on 08/03/2024.
- **Kanimozhi K** of III year EEE has won third prize for Poster Presentation in ELECYUVA 2K24 held at Rohini College of Engineering on 28/03/24.
- **Kanimozhi K** of III year EEE received a fund of Rs 2000 for eSim circuit simulation from Spoken Tutorial, IIT Bombay on 14.03.2024.
- **J. Jeršana** from II year CSE received the first prize for the Non- Technical Event (Music Vibes) in National level Technical Symposium conducted by Ponjesly College of Engineering on 16.03.2024.
- **Fathima Renosha** of ECE won the First prize and **Arathi Krishna K G** of ECE won the second prize in TECHCHAT organized by Ponjesly College of Engineering on 16 th March 2024.
- Four of our cadets, **CSUO Mukesh Kumar S**, **CUO Nibin Raj S S**, **Sgt Jenin J** and **Sgt Mohamed Shameem S** got the scholarship for their outstanding performance in NCC. Each cadet is provided with an amount of Rs 5000.



### GATE 2024

A. Jayson ( I M.E Energy Engineering), A.S.Akash Raj (IV MECH), Mebin (III EEE), J. Rufina (III CSE), Shiba Sihabu(III CIVIL) and Devi Krishna. R (II M.E Communication Systems) were qualified in GATE 2024.

- A team of three students (T .M.Binushaa, A.Ramya Sridevi and J.Renees Jenisha) from II IT received a **cash prize of Rs.10,000 from Design Hackathon'24** for Women Engineers organised by Tamilnadu Centre of Excellence for Advanced Manufacturing ( TANCAM) at Mahendra College of Engineering, Namakkal.
- Our IV BE CSE B students ( Naveen A S, Nithish P, Shawn Christo A N,Shakhan A) under the mentorship of Dr.R.Barona attended the final phase of the SIGHT (Sustainable Innovations for Growth and Human Transformation) Technical **Project Expo by UST** at UST Trivandrum Campus on 27.03.2024. They attained the Top 12 (among 500 teams) and received the **finalist award**.
- The Honorable Chief Minister has inaugurated the Naan Mudhalvan Grand Innovation & Skilling Challenge - AU - Niral Thiruvizha (Hackathon) – 2023 event. A total of 8,486 registrations were received across these ten themes, resulting in the submission of 65 problem statements. Following meticulous evaluation, 1,000 top ideas were selected. Three of our project ideas ( Team1 : Naveen A S, Nithish P, Shakhan A, Shawn Christo A N , Team 2: Jenitto J,Jerprin J, Joel J, Praisewin E S & Team 3: Malvin Reno A, Nithesh A, Riwan Mejo C, Shajan R ) got selected for the next level. The selected teams will be **awarded a grant of Rs.10,000** to develop their innovative solutions further.



- **Raja Rajeswari & Gopika** from III year IT **Jesla & Defitha** from III year CSE **Amritha** from II year CSE **Jincy** from IV year CSE **Steny** from III EEE got second prize for group song in cultural meet 2024 on 15.03.2024 conducted by Hindu College, Nagercoil.
- **Jesla & Defitha** from III year CSE **Jincy** from IV year CSE **Rajeswari** from II year IT and **Steny** from III year EEE got second prize for group dance in cultural meet 2024 on 15.03.2024 conducted by Hindu College, Nagercoil.
- **Parikshith .M** (Final ECE), **Sharbin I** (Third CSE), Blessed John (Final EEE), **Albin Joe** (First M.E), **Felshi** (Third ECE), **Jenisha** (Third ECE), **Kezia John**(Third CSE) and **Sree Devi** (First EEE) Won first prize in group song competition conducted by NMCC - Nemic Fest2024 dated 16/03/2024.



# ACADEMIC ACTIVITIES



## ICCIDA 2024

The Department of AI&DS and CSE organised an International Conference on Computational Intelligence and Data Analytics ICCIDA 24 in collaboration with Scopik Edu. tech Pvt. Ltd. from 21 st to 23rd March 2024. Its main aim is to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of computational intelligence in Computer, Information, Sciences and Applications. The two-day conference comprised 3 plenary sessions and 1 keynote session. Keynote speaker Dr. Hydar Sabeeh Kalash, Professor, Gulf college, Oman, has delivered 2 hours talk on Cyber security awareness. 66 attendees registered for the conference and presented their research article in different areas. 133 participants attended the conference and enhance their knowledge. 89 participants attended different technical events.

An **Autonomous Governing body meeting** was held on March 9, 2024. Dr. K. Arul Prakash, Professor, Department of Applied Mechanics, IIT, Madras and Dr. P. Subah Karuvelam, Professor, EEE,GCE, Tirunelveli Participated as UGC and Anna University nominees respectively. Dr. A. Reena Evancy, Principal, St. Xavier's Nursing College, Dr. Joseph Dunston, Former Vice Chancellor, St. Joseph University, Nagaland and Dr. V. Selvam participated as management nominees. Rev. Fr. Dr. M. Maria William, Correspondent, Dr. J. Maheswaran, Principal and all the Deans attended the meeting.

The Department of Computer Applications has arranged a national level technical symposium "SCAPE2K24" on 26th March 2024. Chief Guest of the function motivated the students to upgrade their knowledge to develop innovative products. He has explained about security of information cyber systems and prevention to mitigate the cyber threats. Dr. J. Maheswaran, Principal, SXCCE gave the keynote address. Rev. Dr. M. Maria William, the Correspondent, SXCCE gave the presidential Address.



SCAPE2K24

## XIBITA

The Department of Management Studies organized a Management Fest on March 25, 2024. The inaugural session started at 10.00 a.m. with a prayer song. The principal, Dr. J. Maheshwaran, felicitated the gathering. The Chief Guest, Mr. Nishwin Issac, director, Artic9, Nagercoil, explained and pointed out the basic qualities required for a person to become an entrepreneur.



The Department of Civil Engineering organized an Intra-department Technical Symposium on 07.03.2024. Competitions including Paper Presentation, Poster Presentation, CAD Modelling, Technical Quiz, Code Cracking and Brick & Wall were conducted for the students. Around 76 students participated in various events.



## INDUSTIAL VISITS

The field visit took place on 01 /03/2024 for the 2nd year students of Computer Science Department to keezhadi, Madurai . Firstly visited **Keezhadi Heritage Museum** which was inaugurated by Tamil Nadu Chief Minister M.K. Stalin on 5th March 2023 in Sivaganga, close to the historic archaeological site. Thereafter went to an Archaeological excavation site at Keezhadi where the beautifully crafted earthen pots were found.



The first year CSE-A class underwent an industrial visit on 22/03/2024 to **UST Global** , Trivandrum. Around 63 students along with 3 faculty members went for the IV. The incharge of the concern trip , Mr. Monish assisted the students in a good manner. Mr.Sthanu, the senior expert of UST handled the session in a great manner.The students enjoyed the tour and learned many things about UST.



On 20th March 2024 the students of 2nd -year IT embarked on an enlightening industrial visit to the renowned **Vikram Sarabhai Space Centre (VSSC)** and Priyadharshini Planetarium in Thiruvananthapuram.





A workshop on **"Whit-Hat Hacking"** was organized by the BRIGITZ – association of IT on 9th March 2024 from 11.00 a.m. to 4.15 p.m. with J Antony Reeta, Networking Specialist, Networkz Systems as the resource person. The students learned about the ethics on hacking and various hands-on training on hacking procedures.

A workshop on **AI for Students: "Build your own Generative AI Model"** was conducted on March 16, 2024, from 11:00 a.m. to 2.00 p.m. for all the ECE students. The resource person was Mr. Trivikrama, AI Expert. During the workshop, he delved into Artificial Intelligence, Machine Learning, and Generative AI, explaining how to formulate prompts and develop AI models. Practical training on Generative AI using Google Colab was provided to the students, alongside insights into future prospects and career opportunities in the field.

The Workshop on **AI CAD Design** was organized by ACE for the final year students of the Computer Science and Engineering which took place on 20/03/2024 by Mr. Anuprian .K, Technical Head ,CAD Centre, Marthandam. The workshop aimed in integrating artificial intelligence technologies into Computer-Aided Design software, enhancing automation, optimization, and advanced capabilities.

The Department of EEE organised a one week workshop on **Electric vehicle** from 18/03/2024 to 22/03/2024 for EEE students . The trainers were P. Amarnath SR-Executive and R. Anand Executive-Trainer. Students gained knowledge about the Electric Vehicle and its operation, the comparison of the components in the commercial and Electric vehicle, Battery types, ADAS concept and problem solving skills.

The Department of Computer Applications organized a one-day workshop on **"Web Designing in UI/UX"** on 11-03-2024, at the MCA Lab. The main objective of the workshop is to make the students how to develop a UI/UX Design. The session starts at 11 a.m. with the presentation of the resource person Ms. M. Donisha. In the morning session, the resource person explained the Figma App and Instagram Model . Hands-on training was conducted during the afternoon session. 42 students participated in the workshop.



## WORKSHOPS

The Department of Computer Applications organized a one-day workshop on **"Flutter App Development"** on 06-03-2024, at the MCA Lab. The main objective of the workshop is to make the students how to develop a mobile applications using Flutter App Development. The session starts at 9.30 a.m. with the presentation of the resource person K.Akash,,Oswin Jerome.46 students participated in the workshop.

Electros organized a workshop on **embedded system architecture and ARM processes** on March 19, 2024, from 9:00 a.m. to 4.15 p.m. The resource person was Mr. A. Jaya Kumar, Senior Technical Engineer, Livewire Corporate, Chennai. The major objective of this seminar was to give students knowledge about the IoT and embedded systems. He explained the concept of embedded and IoT systems. A hands-on training on how to use Thinkercad Arduino was also given to the students.

Electros organized a one-day Workshop on **UI/UX Designing** for III and IV year ECE students on 07-03-2024 from 9.00 am to 4.15 pm at VLSI lab. The resource person was Ms.S. Sahaya Jesse Monisha, Software Engineer, Networkz Systems, Nagercoil. The resource person explained the concept of UI/UX in detail and hands on training was given to the students. The various job opportunities available in the UI/UX design field were explained.

## SEMINARS

- A Seminar on **"Identifying and chasing passion for career success"** was organized by the BRIGITZ-association of IT on 21th March 2024 from 10AM to with Mr.M. Gerlyn, Site Reliability Engineer, Cybersapient as the resource person.
- A career guidance seminar on **"Strategies for students to stay inspired and achieve success"** was organized for the II-year IT students on 27 of March 2024 by BRIGITZ with Mr. Rathese Rasaiah, Managing Director & Chairman, Ranu Groups as the resource person. He motivated the students to learn the life skills and from the experience of real-life incidents to achieve in the career.
- A power seminar on **"Resume Writing"** was organized by the ICT academy and was coordinated by the BRIGITZ – association of IT on 9th March 2024 from 10.00 a.m. to 11.00 a.m. with Mr. Gregory Manoj, General Manager – Learning & Development, Allsec Technologies Limited as the resource person.
- Power seminar on **DevOps** was organized by ACE for third students of the Computer Science and Engineering department on 01/03/2024 by Ms. Abisha.J, Data Scientist,Altimetrik,Chennai. The seminar emphasized automation, continuous integration/continuous delivery (CI/CD), and a shared responsibility for the entire software development lifecycle, from planning and coding to testing and deployment.
- MBA Department conducted a seminar on 19.03.2024.The seminar was started with a welcome address by I MBA student Maxwel Rishobi P. The Resource person Mr. Ram Manoj explained about Identifying Passion and Career. The Seminar mainly focused on the Career, Passion and New Technology Stack.



# PLACEMENT ACTIVITIES



## Placement Trainings

- Four Days Interactive Training Session on **"To achieve Placement"** by Mr. Nithin P, Ms. Mary Lincy, Ms. Nayana K Nair, Ms. Reenu Susan Kurian belongs to Final Year Placed CSE students was organized for IV Year CSE students from 1st March to 6th March (4 Days). 66 students participated in this event.
- A Two Hours Session on **"Study Abroad Awareness Program"** was conducted by Ms. Archa Kamal, Country Head, Mr. Stefin Isac, Project Head, Ms. Shilpa R S, Senior Study Counsellor, LeverageEdu, Trivandrum was held on 22-03-2024. Nearly 100 students participated in this training program.
- **Digital Logiciel Solutions Pvt. Ltd-** ON CAMPUS PLACEMENT DRIVE was conducted for B.E – EEE & Mech on 07&08.03.2024. Salary package is Rs.2.4 to 4.0 Lakhs Per Annum (CTC). 18 students got selected.
- **Topsides Engineering Pvt. Ltd.-** ON CAMPUS PLACEMENT DRIVE was conducted for B.E – EEE & Mech on 18.03.2024. Salary package is Rs.1.8-2.4 lakhs per annum (CTC).
- **Webberax -** ON & POOL CAMPUS PLACEMENT DRIVE was conducted for B.E – EEE & Mech on 18.03.2024. Salary package is Rs. 2.64 Lakhs Per Annum (CTC). 7 students got selected.
- **HIGS Software Solution Private Limited -** ON CAMPUS PLACEMENT DRIVE was conducted for B.E – EEE & Mech on 21.03.2024. Salary package is Rs.1.44 to 2.10 LPA. 12 students got selected.
- **Just Dial Ltd. -** ON & POOL CAMPUS PLACEMENT DRIVE was conducted for B.E – EEE & Mech on 23.03.2024. Salary package is Rs.2.64-2.98 lakhs per annum.



## COE ACTIVITIES

### Nov./Dec. 2023 Phase-I Examinations

- Revaluation results were published on 25-03-2024.
- Review result was published on 03-04-2024.

### Nov./Dec. 2023 Phase-II Examinations

- The eighth Result Passing Board meeting to pass the results of R-2022 First and Third Semester B.E./B.Tech. Artificial Intelligence and Data Science, Civil Engineering, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Information Technology and Mechanical Engineering; M.E. Construction Engineering and Management, Structural Engineering, Computer Science and Engineering, Power Electronics and Drives, Applied Electronics, Communication Systems, Medical Electronics and Energy Engineering; M.B.A. and M.C.A. was conducted on 11-03-2024.
- Nov./Dec. 2023 Phase-II results, except the results of first semester PG, were published on 13-03-2024.



## CELL ACTIVITIES

### NSS CAMP

A special camp for the year 2023-24 was conducted from 04-03-2024 to 10-03-2024 in the village 'Muzhavilai', Vilanvancode Taluk, Kanyakumari District. Around 100 NSS volunteers attended and performed NSS activities. Our Principal Dr. J. Maheshwaran inaugurated this programme. The NSS Volunteers actively participated in all the events individually and also as a group thus improving their social and cultural skills. Several resource persons from various fields visited the camp and educate the students. Students actively participated in various activities such as cleaning the village, house visits, school students interaction, separate medical camp for NSS volunteers itself and the village people, Village Energy Audit, etc.







On March 22, 2024, the **Federation of All Civil Engineers Association of Tamil Nadu and Puducherry (FACET&P)** organised a seminar on the topic "An Earthen Dam Construction- Start to End." The resource person for the seminar was Er. C. Kingsly Jebasingh, ME (Structural), the director of AKN Associates PVT Ltd. Er. C. Kingsly Jebasingh has worked as an engineer during the construction of Ulu Tutong Dam in Brunei and shared his experience.



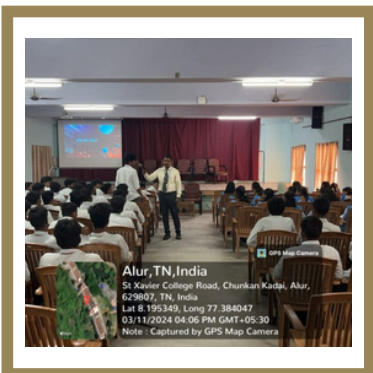
**Fossee club - SXCCE and SXCCE IGEN EnSAv Club** have jointly conducted National Level Technical Symposium "FOSS FRONTIER 2023" on 20th March 2023. The objective of the symposium is to cultivate the innovative solution from the students towards free open source softwares and sustainable energy solutions. Er. Ajith Kumar, IoT Developer, Chennai, is the chief Guest for the event. Five technical events such as Paper presentation, poster presentation, code migration, and quiz were conducted for the students.



The student members of **EnSAv club** visited Mulavilai village on 09th March 2024 to give awareness to the village people. Around 48 student members have visited along with 5 staff members. The students visited each home in the village and asked certain questions to the family members regarding the usage of electricity in their home. Depending on the answers, the student suggested some ideas in order to save electricity and money.



**The Reading Awareness Programme**, was conducted on 20th, 21st, 23rd and 25th of March 2024 with the aim of promoting the importance of reading among students. The theme was "Open Minds, Open Books, Embrace the Journey". The student members of the Readers Club delivered presentations on the following topics: The Importance of reading books, Importance of books in students' lives, Benefits of reading books, Reading strategies, How to create a habit of reading books. First-year students and readers club members benefited in this awareness programme.



An orientation session about **GATE** exam has been conducted for all the first year students on 07-03-2024, 09-03-2024, and on 11-03-2024 with Dr. V. Christus Jeya Singh and Dr. Suja A. Alex as resource persons. The students learned about the benefits of GATE exam in getting PSU jobs and higher studies at National Institutes.

The **Math club** conducted an aptitude training programme on 23-03-2024 at 1.00 pm. The main objective of this aptitude training programme was to prepare the students to face the competitive examinations with confidence. The resource person, Mr.A.Dave Andrew, explained the fundamental ideas of Mathematical aptitudes related BODMAS, LCE, HCF, Ratio and Proportion. He explained with examples and exercises. Around 23 Math club members attended the programme.

**Women's Cell** celebrated Women's Day on 7.03.24. The theme for Women's Day 2024 is Invest in Women: Accelerate Progress. This day is celebrated to make women understand their capability and to create awareness about women empowerment.

The online seminar titled "**Secure Your Future: Cybersecurity Essentials for a Connected World**" was conducted on March 2nd, 2024 by L.A. Anto Gracious, an Assistant Professor at R.M.K. College of Engineering & Technology. The seminar aimed to provide participants with essential knowledge and insights into the field of cybersecurity in the context of an increasingly interconnected world.

On 23rd March, Saturday the **Radio club** organised "A one day workshop on Canva". One of the student from Radio club and the faculty advisor handled the session.

A seminar on '**Earth hour**' was conducted on 23.03.24 by Mrs.C.Sudhamathy, Mr.Saravanan, Mrs.S.Malar Vizhi at Einstein seminar hall. They encouraged the students to give an hour to earth by switching off non essential electric lights.

On 09/03/2024 various competitions were conducted for our ISTE students. Morning session, we have conducted the drawing competition and Topic presentation competition for our ISTE members. Theme for these competitions was "Impact of Technology in Society". Afternoon, we had the Quiz competition. 3 Batch of students involved in this.







A workshop on "Design Thinking" was organized by **CII-YI-YUVA** on 09-03-2024 at 9:30 a.m. in the Einstein Seminar Hall. The Resource person of this event was Mr. Neil Kikani, Executive partner of Kikani group and Director of Ragok Medicare Pvt.Ltd., Coimbatore. The workshop was focused the concept of Design thinking mindset, Idea to product, Systematic Innovation and Structured Teamwork.



Seminar on "Democratizing Software development" was organized by **CII-YI-YUVA** on 23-03-2024 at 2.00 p.m. in the Einstein Seminar Hall. The Resource person of this event was Mr. Gokul Kumar S, Co-Founder, Flutterfrog Software Solutions. This seminar focuses the significance, challenges, and future prospects of democratizing software development.



**IETE Student Forum (ISF)** conducted a workshop on Canva was conducted on 9/03/2024, around 9.00 am t by Mr.P.Nithish, final year CSE student. The objective was to provide participants with practical skills and knowledge on utilizing Canva. The Workshop was divided into two sessions: a learning session and a practical session. In the learning session, explained the basic concepts of Canva, including how to create posters, text messages, backgrounds, templates, and elements. Additionally, the students learned how to upload images to incorporate them into our designs. In the Afernoon Session, there is a completely practical session where we create our own poster based on our innovative ideas.



**ACM and ACM-W** student Chapter of SXCCE organized a Hands on training in CANVA on 9 th March 2024 by Mr.P.Nithish, Final CSE.Around 23 students of ACM and ACM-W Student chapter members along with two faculty members actively participated in this event.



**IIC** organized an expert talk on Role of Industry Institution Collaboration to promote Innovation and Entrepreneurship 01-03-2024 by Mr. Arun Rajeev Sankaran, Founder & CEO, FinOs, Nagercoil. 127 Students from III year, final year along with 4 faculties from department of CSE & ECE of St.Xaviers catholic college of engineering has actively participated in this event.

## RESEARCH ACTIVITIES

### Journal Article published

- **Suja A. Alex, J. Jesu Vedha Nayahi, Sanaa Kaddoura**, Deep Convolutional Neural Networks with Genetic Algorithm-Based Synthetic Minority Over-Sampling Technique for Improved Imbalanced Data Classification, Applied Soft Computing (IF: 8.7), Elsevier on 11th March 2024.

### Conference Publications

- **Dr. M. Marsaline Beno**, Dean, Research Published a paper titled Advancing Deep Fake Detection: A Novel Deep Net Approach in International Conference, Latest Advances in Computational and Applied Mathematics- LACAM 24 at IISER Thiruvananthapuram.
- **Dr. Suja A. Alex**, Assistant Professor, Department of Information Technology presented a paper titled “Intelligent Medication Compliance System for Patients Using IoT” in seventh International Conference on Information and Computer Technologies (ICICT2024), Honolulu, Hawaii, USA on 15th March 2024.
- **Ms.S.Shiny** Assistant Professor of EEE department Published a paper titled Solution of Combined Economic and Emission Dispatch Problem using Hybrid Water Cycle Whale Optimization Algorithm in the International Conference on Smart Generation Computing, Communication and Networking (SMART GENCON),IEEE Xplore March 2024 10.1109/SMARTGENCON60755.2023.

### As A Resource Person

- **Dr. M. Marsaline Beno**, Dean, Research acted as a resource person for the Webinar on Enhancing Research Methodology Skills for Engineering Educators at Christ King College, Coimbatore on 01/03/2024.
- **Dr. M. Marsaline Beno**, Dean, Research acted as a resource person for the Webinar on Quality Impact Measurement at IET Events organised by IET Communities Committee South Asia on 09/03/2024.
- **Dr. M. Marsaline Beno**, Dean, Research conducted Career Guidance for 9 to 10 Students at St Joseph’s Metric HSS on 19/03/2024.
- **Dr. M. Marsaline Beno**, Dean, Research conducted Career Guidance for 11 & 12th Students at Christ the King Church, Vertunimadam on 23/03/2024.
- **Dr. Suja A. Alex**, Assistant Professor, Department of Information Technology has been invited as a speaker and delivered a session "Text Analytics using Machine Learning" in Two day National level Online faculty development programme on “To get Pattern Rights in India using the Emerging Area of Academics and Research in the Current Situation and Technologies” organized by S.K.P. Engineering College, Tiruvannamalai on 27th March 2024.

### Book Chapter Publication

- **Dr. Suja A. Alex**, Learner-Centric Teaching Practices for Achieving Learning Outcomes, in the book Revitalizing the Learning Ecosystem for Modern Students, IGI Global on 11th March 2024.

### PATENT :

- **T.V. Geetha** received a patent for the design for ROBOT FOR PHARMACY (23/03/2024).



## As a Reviewer

**Dr. Suja A. Alex**, Assistant Professor, Department of Information Technology reviewed articles for the following SCI Journals:

- Reviewer of IEEE Access on 24th March 2024.
- Reviewer of Applied Soft Computing Journal, Elsevier on 5th March 2024 and 31st March 2024.
- Reviewer of Heliyon, Elsevier on 14th March 2024 and 17th March 2024.
- Reviewer of Expert Systems With Applications, Elsevier on 17th March 2024.
- Reviewer of Journal of Intelligent & Fuzzy Systems, IOS Press on 17th March 2024.
- Reviewer of Future Generation Computer Systems, Elsevier on 20th March 2024 and 31st March 2024.
- Reviewer of Health Information Science and Systems, Springer on 24th March 2024.
- Reviewer of Discover Mental Health, Springer on 26th March 2024.
- Reviewer of PLOS ONE journal on 27th March 2024.

**Er. T M Angelin Monisha Sharean** has been acted as the reviewer in IEEE Transactions on Instrumentation & Measurement on 28th march 2024.

**Dr.S.Caroline,AP/ECE**, acted as reviewer for International Conference on Advanced Technology-ICAT 2024 organized by National University of Science and Technology sultanate of Oman on 3 rd March 2024.

### Editor:

- Dr. Suja A. Alex, Assistant Professor, Department of Information Technology handled five articles as an Editor of "Future Generation Computer Systems" (FGCS) Journal (Impact Factor 7.5), Elsevier in March 2024.
- Dr. Suja A. Alex, Assistant Professor, Department of Information Technology handled four articles as an Editor of PLOS ONE Journal (Impact Factor is 3.7) in March 2024.

### Reviewer Recognition:

Dr. Suja A. Alex, Assistant Professor, Department of Information Technology received

- Certificate of Appreciation for participating as a Reviewer in Fifth International Conference on Innovative Trends in Information Technology (ICITIIT'24) organized by Indian Institute of Information Technology Kottayam, Kerala on 21st March 2024.
- Appreciation with a Reviewer Certificate for the Second IEEE ic-ETITE'24 conference, which was held at Vellore Institute of Technology, Vellore on 21st March 2024.
- Appreciation from the Managing Editor and Editorial Board of the 'Engineering Reports' journal with a 'Reviewer Certificate' on 7th March 2024.

**Dr. M. Marsaline Beno**, Dean, Research attended a Two days, United Religious Initiative – Leadership Workshoporganised by URI Headquarters, San Francisco, USA from 19/03/24 & 26/03/24.

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