ST. XAVIER'S CAMPUS CONNECT

VISION

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

MISSON

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

The blessed season of Christmas beckoning us all to the many joyful celebrations and a promising New Year, full of positive possibilities and milestone achievements, define our zeitgeist now. At the very outset I would like to wish you all our Xavierans a joyful Christmas and a fulfilling New Year.

God sharing our human nature… what an honor to all the members of the humanity? What a great statement about the equality of all human beings? But..but is the humanity ready to accept this great honor, the equality of all?; to accept the brotherhood and sisterhood of all? Well humanity was not ready to accept the honor 2000 years ago; instead they killed the messiah who brought such good news! Are we now?

Wars, religious fights, caste discriminations, sickening poverty, blatant misuse of media to belittle others…. still, even after all the evolutionary scientific and technical growth, humanity is only trying to learn to accept the honor Jesus brought us all and to recognize the basic dignity of every human being.

May the baby Jesus, born on a manger sharing life with the least of least of humanity, be a challenge to shed our selfishness off and to open our eyes towards the suffering people. May this Christmas be an inspiration for us all, primarily we who think of ourselves to be educated and mature, to accept the dignity of all and to do something positive for those who are marginalized and pushed into poverty in our society. Happy and meaningful Christmas to one and all! And a brilliantly hopeful New Year!!

Contens

Upcoming Events

- BoS Meeting (MBA) -07.12.2023
- Choir Competitions for School Students - 09.12.2023
- BoS Meeting (ECE, CSE,IT,AI&DS,MCA) - 21.12.2023
- Christmas Celebration - 23.12.2023

PRINCIPAL'S MESSAGE

Dr. J. Maheswaran

My appreciations to the Editorial team members for bringing out this issue in a successful manner on monthly basis. For third and final year students, end semester exams are going on. Again we are witnessing a lot of achievements by faculty and students, congratulations to them.
Happy Christmas and a very Happy New year.

EVENTS

FINE ARTS DAY

The 26th Annual Fine Arts Day 2023 was celebrated on 03/11/2023. Mr. Bharathi Krishna Kumar (Director, Actor and Writer)and Mr. Naleef Gea, Alumnus(Actor, Model and Entrepreneur) acted as the Chief Guest and as the Guest of honor. The event begin at 10 AM in Carlos Acutis Auditorium. Session Started with a Prayer song and Welcome Dance. Mrs. J. S. Simi Mole AP/CSE gave the welcome address. Rev. Fr. P. Augustin -the President of the event gave the Presidential address. The Correspondent, the Bursar and the Principal Felicitate the event. Prizes for the talent search competitions were distributed in the event and entertainments in the middle made the event more colourful. Mr. J. Jeya Suren Raj gave the vote of thanks. The program ends with the National Anthem at 2.00 PM

GRADUATION DAY

The 21st graduation day was celebrated on November 4, 2023. Rev. Fr. S. Jesu Rethnam, contact person, R.C Diocese of Kuzhithurai, Presided over the function. Our Correspondent, Rev.Fr. Dr. M. Maria William, led the ceremony. Dr. Asir Packiyaraj, Distinguished Scientist & Director of ISRO Propulsion Complex (IPRC) Mahendragiri, was the Chief Guest and conferred degrees.

CENTRE OF EXCELLENCE

ELectric Vehicle Technology

Inauguration of the Centre of Excellence of Electrical Vehicle Technology was held on 22/11/2023 in the EEE Electrical Vehicle Lab. Our Correspondent Rev.Fr. Dr. M. Maria William blessed the lab with prayers. The Principal Dr.J.Maheswaran, gave a warm welcome to the gathering. Mohammed.S, Manager, TVS training and services explained the services rendered by the company towards training and he gave a speech on Battery Testing and Testing of safety compliance for electrical products

Immersive Technology

The MoU was signed with SCOPIK EDUTECH PVT. LTD. on November 16, 2023. The MoU is valid until November 15, 2028. The main objectives of the MoU are Establishing a Centre of Excellence Laboratory for Immersive Technology, organizing NASSCOM certification training programs in AR and VR, workshops, symposiums, conferences, internships, and providing support for consultancy work, hackathons and conclaves.

STUDENTS ACHIEVEMENTS
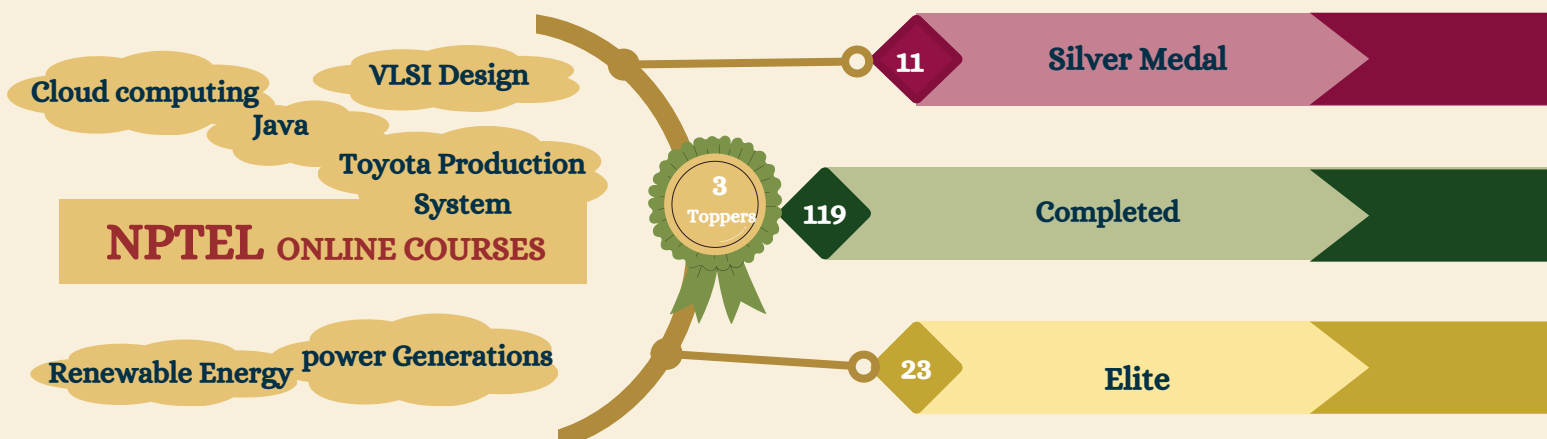
13 Ranks

ANNA UNIVERSITY RANK HOLDERS

- **K.S.Lekshmi Nair** of Electronics and Communication Engineering has received the **fourth rank.**
- **S.Jenisha Snowfy** of M.E. Communication Systems has received the **fifth rank.**
- **K.Reshma Priya** of Electrical and Electronics Engineering has received the **fourteenth rank.**
- **S. Ramya** of Master of Business Administration has received the **seventh rank.**
- **R. Hameeda Shaheen** of Master of Business Administration has received the **twelfth rank.**
- **J. Anto Vesta** of Master of Business Administration has received the **twentieth rank.**
- **J. B. Prescima** of Master of Business Administration has received the **twenty first rank.**
- **E. Shalom** of Civil Engineering has received the **thirtieth rank.**
- **C.S. Bhaviya** of M.E Structural Engineering has received **sixth rank.**
- **V. Daliya Sweetly** of M.E Structural Engineering has received **eighth rank.**
- **J. Akshaya** of M.E Structural Engineering has received **thirteenth rank.**
- **A. Lercy** of M.E Structural Engineering has received **thirteenth rank.**
- **S. Karthick** of M.E Construction Engineering and Management has received **sixth rank.**

INNOVATOR STAR AWARD

Mr. Jenishlin Brisho M , Mr. Santhosh Sharuk C & Mr. Ahamed Shafeek S of II year Artificial Intelligence and Data Science has won the Innovator Star Award 2023 and a **cash prize of Rs. 10,000** in Ideas Are Made event organized by Pephands Foundation on 18 th November 2023.

- **X. Maxminush** of third year Electronics and Communication Engineering won **silver medal** in high jump in Anna university 19th zone athletic meet held at Loyala Institute of Technology on 15.11.2023.
- **D.S Abel Dennis** of first year Electronics and Communication Engineering won the **Bronze medal** in Javelin throw in Anna University 19th Zone athletic meet held at Loyala Institute of Technology on 15.11.2023.

Cloud computing
VLSI Design
Java
Toyota Production System
NPTEL ONLINE COURSES
Renewable Energy **power Generations**

3 Toppers

11 — **Silver Medal**
119 — **Completed**
23 — **Elite**

ACADEMIC ACTIVITIES

Department of Electrical and Electronics Engineering organised a Faculty Training Programme on **"Electrical Vehicle Technology"** on 22nd and 23rd November2023 . The training program started at 10:00 AM and ended at 04:30 PM. The resource persons were Er. D. Ajith and Er. G. Karthick from TVS training and services. Dr.M.Marsaline Beno, Dean of Research felicitated the gathering.

XIBITA 8.0

The Inauguration of XIBITA 8.0 was conducted on 8/11/2023 with a prayer song. Sahaya Rinosha S. A., the Student Secretary of XIBITA 8.0 delivered the welcome address. The Organizing Secretary of XIBITA 8.0 Dr. M. Babima Asst. Prof. gave an insight about XIBITA 8.0. The Principal Dr. J. Maheswaran felicitated the gathering. Ms.S.Jasmine Suguna, HOD of Management Studies introduced the Chief Guest and the function was inaugurated by the Chief Guest Adv. T. Amal Raj, the Assistant Manager of HSSE (LPG) at Bharat Petroleum-LPG plant, Trivandrum. He delivered an inspiring speech emphasizing the values of excellence, dedication, and commitment in all endeavors. The Correspondent Rev. Fr. Dr. M. Maria William delivered the Presidential address.

SHAX INAUGURATION

The Inauguration of SHAX was conducted on 30/11/2023 at 2.45pm in the Conference hall. The program started with the prayer song. The Joint secretary of SHAX welcomed the gathering. The Faculty Advisor Ms. S. Asha Alice introduced the new office bearers for this academic year. The annual plan was presented by the Secretary of SHAX. Dr. D. Judson, Coordinator of H&Sc introduced the chief guest. Dr. D. Arun Gladwin, Founder and Director of Vantage gave the chief guest address. Felicitations were given by the Principal, Dr. J. Maheswaran and the Vice Principal, Dr. V. Christus Jeya Singh. The treasurer of SHAX rendered vote of thanks. The meeting came to an end by the college anthem.

FDP on ML & Generative AI

The FDP on ML and Generative AI aimed to empower the faculty's skills and understanding in the fields of Machine Learning (ML) and Generative AI, equipping them to impart knowledge to their students effectively. This FDP was organized by GUVI pertaining to the NM-TNCPL in association with Anna University and TNSDC on 24/11/23(offline) and 25/11/23(online) for Nagercoil region Engineering institutions coordinated by the Hackathon cell of SXCCE. Mr. Nirmal Kumar, Trainer, GUVI conducted the FDP on Applications of Generative AI. Faculty members from Nagercoil region engineering institutions attended and benefitted from the training program

INDUSTRIAL VISITS & EDUCATIONAL TOUR

- The Department of Management Studies, had arranged for an **Industrial Visit to Hatsun Agro Product Ltd.,** Tirunelveli on 21/11/2023 and 22/11/2023 for the first year MBA students.
- The Department of Management Studies, had arranged for a 3 days trip to **Wayanad, Coorg and Chikmagalur** from 14/11/2023.

- On November10, 2023, First MCA students visited the **UST Global Technopark** in Trivandrum. Mr.Shanu Kumar Ramakrishnan Thambi, the senior delivery manager, presented a seminar about the overview of the organization, placement strategies, preferred skill sets for hiring and project carried out.
- The Department of Computer Applications had organized a **tour to Marayoor, Munnar and Vagamon** from 15/11/2023 to 18/11/2023.

The Association of the Department AI& DS (ADAX) organised an **industrial visit to Srishti Innovative, Techno-park,** Trivandrum for the II year AI & DS students on 25th November 2023. The objective of this visit is to interact with the technical experts and to explore the Artificial Intelligence technologies and data science concepts. Mr. Prasad, HR, interacted with students about the proficiency of having an aim. Then Mr. Kiran, the Senior Developer gave a detailed description about Data Science and how the data are explored and visualized. He also demonstrated modern tools and software for designing data

- The Artificial Intelligence and Data Science Association of Xavierians (ADAX) organized a Seminar on **App Development cum Internship awareness** on 06/11/2023. The resource persons were Ms. Jaslin & Ms. Karthika M., HR Manager,Wenoxo, Nagercoil. In this session the resource person gave a brief introduction regarding the Internship programs and the importance of doing internship in their company.

- The Artificial Intelligence and Data Science Association of Xavierians (ADAX) organized a seminar on **Computer Vision and Deep Learning** on 15th November 2023 for the II year AI&DS students at II year class room. The resource person is Dr. S. Domnic, Associate Professor, NIT, Trichy. About 54 students participated in this event. The main objective of the seminar is to create awareness in Deep Learning techniques and Computer vision. The resource person explained the basics of Machine Learning and Computer Vision tasks.

- A seminar on **AR and VR** was conducted for the 2nd year students of CSE Department on 14.11.2023 by Mr.Pradeep, Scopik Edutech, Chennai.

- A Seminar on **AI for Embedded System** was held for the 2nd year students of Computer Science and Engineering Department on 16.11.2023 by Mr.Sugith, Networkz System, Nagercoil. The event aimed to foster a deeper understanding of how AI technologies can be integrated into embedded systems to enhance functionality, efficiency, and performance

IDEA PRESENTATION

Electros organized an Idea Presentation competition for II, III and IV year ECE students on 08-11-2023 from 9.30 am to 1.30 pm at VLSI lab. The resource person was Er.Abhishek R.,CEO Founder, Chek In Tek Hardware Academy. Fourteen groups of students participated in the competition. They presented various new ideas. The competition was very useful and students enhanced their creativity and presentation skill

PLACEMENT ACTIVITIES

- A one Day training on **"LinkedIn Career Kickstarter Program"** organized by Naan Mudhalvan team to offer a LinkedIn premium account to all the II Year, III Year and IV Year Students conducted was by "FACEPrep" on 09.11.2023 in three batches. (Batch 1 – IV Year Students, Batch 2 – III Year Students, Batch 3 – II Year students)
- A one Day Faculty Development Programme On **"Academic English Practices"** Session: 1 named as "Errors in Academic Communications" by Dr. James Ligorias, Communication Trainer, SXCCE was organized for SXCCE staff on 25-11-2023.

- Five students of the Department of CSE and ECE had attended Final Round Interview conducted by Syrma SGS Technology Ltd. thorough online mode on 07-11-2023. Results yet to be announced.
- FlutterFrog organizes an Internship for II Year Students of all the Departments (CSE, IT, AI&DS, ECE, EEE, MECHANICAL, CIVIL and MCA). The selection process undergoes three rounds.
  1.First Round: Aptitude Test
- Aptitude Test was conducted on 14-11-2023 at the Conference Hall. Nearly 213 students from various departments (CSE, IT, AI&DS, ECE, EEE, MECHANICAL, CIVIL and MCA) participated. Among them 93 students shortlisted for the second round.
  2.Second Round: Task Completion
- Students was given with a task and asked to get completed within a week. Based on these 27 students got shortlisted from II Year (CSE, ECE, EEE).
  3.Third Round: Interview
- Face to Face Interview was conducted from 29-11-2023 to 01-12-2023 for 27 students shortlisted through task completion round. Results yet to be announced.

COE ACTIVITIES

Nov./Dec. 2023 Phase-I Examinations

End semester practical examinations for R-2017 and R-2021 B.E./B.Tech. Civil Engineering, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Information Technology and Mechanical Engineering were conducted from 14-11-2023 to 22-11-2023 and 24-11-2023
End semester theory examinations are being conducted from 27-11-2023 to 12-01-2024.

Nov./Dec. 2023 Phase-II Examinations

End semester examinations for R-2022 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, Applied Electronics, Communication Systems, Medical Electronics and Energy Engineering; R-2022 and R-2021 M.B.A. and M.C.A. are scheduled to be conducted as follows.
Practical Examinations: 03-01-2024 to 10-01-2024
M.E. Project: 22-01-2024
Theory Examinations: 23-01-2024 to 23-02-2024

IQAC ACTIVITIES

The Faculty Orientation program on **"Generative AI in Teaching and Learning"** took place on November 23, 2023, organized by the Internal Quality Assurance Cell (IQAC) at SXCCE. The Principal warmly welcomed the attendees and provided an introductory speech. Dr. J. Annrose, the IQAC Coordinator, led the session with an outstanding presentation on the topic, highlighting the potential of Generative AI in transforming teaching and learning methods.

CELL ACTIVITIES

ALUMNI GET TOGETHER

The Alumni Tour to Poovar Island Resort on November 18, 2023, organized by St. Xaviers Alumni Association was a resounding success, bringing together a vibrant community of former students. Commencing at 9:30 AM, all alumni were promptly gathered and a boat was arranged to take them to the scenic resort. The alumni gathering took place at the resort's hall at 11:45 AM, where Aswin A, the President of the IT Departmental chapter, extended a warm welcome. Mr. Aspren, thPresident of the Alumni Association and a distinguished member of the 2015 Mechanical Engineering batch, provided insights into alumni affairs. Subsequently, each alumni shared their personal introductions

PTI MEETING

- The PTA executive meeting was conducted on 08/11/2023 at 3.30 pm in the Board room.The programme started with a silent prayer and welcome address was given by Mrs.A.Anitha , AP/ECE. Our Principal Dr.J.Maheswaran presented the last meeting minutes and the action taken report. The PTA treasurer Dr. N.Ansgar Mary presented the account details of PTA. Parents participated actively in the discussion. Our Correspondent Rev Fr Dr. M.Maria William gave the presidential address. Dr.V. Christus Jeya Singh, the Vice principal, gave vote of thanks.

- **Department wise Alumni meet** was held on 04/11/2023 at 3.30 pm in the various venues to enhance the alumni relationship and facilitate managing a strong alumni community for the benefit of our institution.

- On 23rd November, 2023, **Kaloori Kalata** , a program was organized by the Radio Club of St. Xavier's Catholic College of Engineering, in collaboration with All India Radio Station, Konam, Nagercoil. Ms. Selvarani and her team from the ALL INDIA RADIO Nagercoil visited our college to host this live event. Dr. S. Absa and Dr. Amal Erinimus, coordinated the event with participation from over 51 students

- Vocational Skills training organised a one day workshop on **"Fundamentals and Applications of Photoshop"** to the technical staff of on 25-11-2023 from 9.00 am to 4.00pm at Embedded Laboratory in ECE Department. The resource persons were Mr.A.L. Ajith Leon, Designer, SXCCE and Mr.P.J. Merbin Jose, Assistant Professor/CSE Department. 20 technical staff participated in the workshop. They have attended the programme effectively. This workshop was very useful for the technical staff to improve their careers.

- A Rally on **Brutality against Women** was organised by the Diocese of Kuzhithurai in association with SXCCE Women's Cell on 25.11.2023 Saturday from Kuzhithrai post office to Vettuveni. Women's Cell members and the staff representatives attended the rally. The purpose of this rally is to create awareness about violence against women in domestic and working environment.

- The outreach Club members of SXCCE visited **Nava Jeevan Orphanage** at Pampanvilai, Asaripallam on 10/11/2023.

- **Basic Leadership Course camp** was conducted by 2 TN Air Sqn NCC, Coimbatore under the aegis of NCC Gp HQ Coimbatore, on behalf of NCC Dte (TN, P&AN), Chennai at KPR Institute of Engineering and Technology, Coimbatore from 25 Oct 2023 to 05 Nov 2023. Our cadet Tony Mathew along with other ten cadets from 11 (TN) BN NCC attended this camp. He has performed excellently and was selected for Advanced Leadership Camp.

RESEARCH ACTIVITIES

Dr. N S Kumar, a distinguished retired scientist and former Associate Director of DRDO, has been visiting our campus regularly. His invaluable presence is aimed at guiding our esteemed faculty and students in the development of research proposals and projects.

Journal Article Published

- **Saravanan S , Dr. M. Marsaline Beno, and Prabhu S** published a paper on "A Comprehensive Investigation of Outer Rotor Permanent Magnet Switched Reluctance Motor for Enhanced Performance in Electric Vehicles" IEEE Canadian Journal of Electrical and Computer Engineering/IEEE Journal canadien de génie électrique et informatique , Vol.46, No. 1, November 2023.
- **L.A Anto Gracious, R.Megiba,E.Pooja, T.P.Anish, G.Johncy ,R.Siva Subramanian**,"Machine Learining and Deep Learning Transforming Healthcare:An Extensive Exploration of Applications, Algorithms, and Prospects" 2023 4th IEEE Global conference for Advancement in Technology(GCAT),Bangalore,India.Oct6-8,2023,979-8-35503-05525-8/23-IEEE.

As Resource Person

- **Dr. M. Marsaline Beno, Dean**, Research delivered a talk on Three Priorities, Communion ,Mission and Participation at Synod Conference , Bishop House , Kuzhithurai Diocese on 1/11/2023
- Dr. M. Marsaline Beno, Dean, Research acted as a Chief Guest at Mount Carmel Hr. Sec School, Kolvel for Silver Jubilee School Day and provided Career Guidance and Motivation talk on 4/11/2023
- Dr. M. Marsaline Beno, Dean, Research acted as a Resource person on 5/11/2023 at Pader Nilam Church, Catechism teachers training and delivered a talk on Role of Catechism Teachers
- Dr. M. Marsaline Beno, Dean, Research acted as a Resource person at Hindustan University, Chennai on 7/11/2023 and delivered a talk on Role of Academy in Working Engineers better World
- Dr. M. Marsaline Beno, Dean, Research provided a Felicitation address on Role of Engineers for Sustainable Development at IET Head office Bangalore on 6/11/2023
- Dr. M. Marsaline Beno, Dean, Research acted as a Chief Guest on 11/11/2023 at Present around the World, KKLN and delivered a talk on IET and Leadership development
- Dr. M. Marsaline Beno, Dean, Research, delivered a talk on Benefits of Energy Audit at Emmanuel College of Arts and Science, RC Diocese of Neyyatinkara, Kerala on 24/11/2023 & 25/11/2023

Dr. P.R. Sheeba Rani, Head, CSE completed her PhD work titled" A Novel segmentation and classifier approach of cervical cancer using Machine Learning Techniques" under the guidance of Dr. R. Jemila Rose, Professor & Head, AI&DS.

EDITORS

Mrs. J. Jencewin, AP/CSE | Dr. Y.R. Annie Bessant, AP/ECE | Mrs. P. Ajitha, AP/CSE |Dr. J. P. Vidhya,AP/HSc | Dr. Y. Balto | Mr. L. Lucas, AP/HSc| Mrs.S.Viji Chitra AP/MBA | Mrs.T.M.Angelin Monisha Sharean,AP/IT|Mrs.S. Shiny/AP/EEE| Ms.C.M. Flora Dani,AP/CIVIL| Mrs. M.C.Sheeba/AP/AI&DS