

ST. XAVIER'S CAMPUS CONNECT



CORRESPONDENT'S MESSAGE

by Rev. Fr. S. Godwin Selva Justus



Dear St. Xavier's Family,
Greetings and wishes to you!

It is my joy to meet you through this campus connect. The month of December was filled with celebrations starting with St. Xavier's feast and ending with Christmas. In all the celebrations I could find group involvement to make every event a successful one. The program you arranged on St. Xavier's feast was marvelous. The Eucharistic celebration was well planned. The speeches and song were well describing our patron saint.

I appreciate the first years along with their faculties for their wonderful crib with meaningful thoughts. The Christmas carols, speeches and Santa clause dance indeed promoted the feel of Christmas. The Christmas celebration of the teaching and non-teaching faculties also added flavor to the occasion. The play behind the screen portraying the birth of Christ was remarkable.

Our students are tirelessly participating in the competitions in and around the district and in the state level too. Congratulations to all who participated. What is more important is participation than winning prizes.

Energy conservation is the need of the hour today. We begin to speak about sustainable energy. The future engineers who are formed here should develop a culture of rebuilding the nature. You may also take up some mini projects that may address the present challenges that humans face today. The faculties also can guide the students to take up such responsibilities. We also need to improve our research culture identifying a challenge and working on it. It should be multidisciplinary inclusive of all departments. The likeminded faculties from various department can club together to work on a challenge.

I appreciate Dr. Marselin Benno for being awarded as the distinguished professor by IET Kanyakumari. May his efforts be blessed in the forthcoming days too. Great appreciation to those faculties who have successfully completed the NPTEL course.

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.

Inside This Issue

- Events
- Students Achievements
- Academic Activities
- Placement Activities
- Cell Activities
- Research Activities
- Others

Upcoming Events

- Pongal Celebration - 11.01.2025
- Reopening of senior UG and PG classes - 20.01.2025
- Kumari Thirivizha - 23,24,25 January 2025
- Republic Day - 26.01.2025



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
Anna University Recognized Research Institute
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

I take this moment to appreciate the works of the editorial team members of our Newsletter for bringing out this issue successfully. The period under report is full of activities, academic, cocurricular, extracurricular and placement activities. Celebrations included St.Xavier's Feast, Christmas celebrations, Alumni meet, Parents interaction meeting of first year UG students, etc. Also we conducted Fifth Academic Council meeting, Finance Committee meeting. I congratulate the students and staff for your full support and cooperation. Once again, I thank all the stakeholders for their involvement in all our activities.

All the very best



Dr. J. Maheswaran

EVENTS

ST. XAVIER'S FEAST



St. Xavier's Feast was celebrated on December 2, 2024, at the Conference Hall of St. Xavier's Catholic College of Engineering, Chunkankadai, with esteemed dignitaries including Rev. Fr. C. Amirtharaj, Rev. Fr. George, Rev. Fr. V. Dominic Savio, Rev. Fr. Charles Viju, and Rev. Fr. John Vibin. All the staff members attended the feast with calm and peaceful mind.

The event featured a Holy Mass, during which Rev. Fr. Amirtharaj, Former Correspondent of SXCCE shared an inspiring message on St. Xavier's path towards change and transformation. The celebration highlighted the saint's legacy of selfless service and adaptability, inspiring all to embrace growth and service. It concluded with prayers for the Institution's continued success.



CRIB OPENING



The Crib Opening Ceremony on 20/12/2024 at the reception area of St. Xavier's Catholic College of Engineering, Chunkankadai featured Rev. Fr. Godwin Selva Justus (Correspondent), Rev. Fr. John Vibin (CEO, Hiltek Robotics) Dr. J. Maheswaran (Principal), and Dr. V. Christus Jeya Singh (Vice Principal). The program included inspiring Christmas messages, the unveiling of a modern technology-themed crib, cake cutting, and a Christmas song by the student choir, fostering joy and togetherness.



CHRISTMAS DAY CELEBRATION

2024



The Christmas Celebrations were held at St. Xavier's College of Engineering on December 21, 2024, at 9:30 AM in the Conference Hall. Most Rev. Msgr. S. Xavier Benedict, Vicar General, graced the occasion as the Chief Guest. The event featured carols, skits, and inspiring messages. The celebrations fostered community spirit with festive performances and the distribution of gifts.



St. Xavier's Meritorious Graduate Award



St. Xavier's Meritorious Graduate Award for School Students was introduced during the silver jubilee finale to honor the SSLC and HSC students, who score the first two places (marks) among the students of the particular parish in SSLC and HSS board exams (Tamil Nadu), of both Kuzhithurai and Kottar Dioceses. Under this scheme, the awards have been given to the meritorious students of the St.Nicholas church, Neerodi, St.Lucias church, Erayumanthurai, Christ the king church, Mulavilai, Church of our lady of Perpetual, St.Holy family church, Elenthavilai, Church of St.Holy cross, Siluvaipuram, St.Xaviers Church, Yettacode, St.Judes church, Swamiyarmadam and St.Marys church, Azhikkal.

STUDENT'S ACHIEVEMENTS

- **Sujin S, 3rd ECE**, participated in Smart India Hackathon 2024 Grand Finale (Software Edition) #SIH2024 conducted in Excel Engineering College, Namakkal held on 11th and 12th December.
- **Jebin, 3rd ECE**, won first prize in district level yuva utsav -2024 science exhibition conducted in Rohini college of engineering and technology on 15th December 2024.
- **Raksha J and Ashmi S of IV ECE**, participated in the IEEE TENCON 2024, held at Marina Bay Sands, Singapore, from 1st December 2024 to 4th December 2024.
- Byju B (IV ECE - A), Mohammed Abdul Hakkim A (IV EEE), Alan Lal M A (IV EEE), Anto R K Raj (III ECE - A), Ashmi S (IV ECE - A), Raksha J (IV ECE - B), Ebin A (II CSE - A), Agislin S (II ECE - A), Maria Shan Jeffy S (III CSE - B), Ashika S S (III ECE - A), Anuvarsha J (III AI & DS), Jenilyn J M (III AI & DS), and Dr. Seldev Christopher (Professor/CSE) attended Hack4Good, a 24-hour hackathon at NIT Calicut, Kozhikode, Kerala
- **108 students** successfully completed various NPTEL courses during the period from July to December 2024.



ACADEMIC ACTIVITIES

ACADEMIC COUNCIL MEETING

The fifth Academic Council Meeting was held on 16th December 2024 to confirm the minutes of the Fourth Academic Council Meeting held on 13th July 2024 and review the Decision/Action Taken report. The agenda also included the consideration and approval of the curriculum and syllabi for the seventh-semester courses, including professional core courses, management courses, and open elective courses for UG programmes, as recommended by the Board of Studies (B.O.S).

The meeting was attended by external members Dr. J. Krishnamoorthi (PSG College of Technology), Dr. N. Shenbaga Vinayaga Moorthi (Anna University Regional Campus – Tirunelveli), Mr. Arul Jerald Prakash (Former Director, Kerala State Science & Tech Museum), Mr. Roy Antony Arnold (Senior Consultant, Infosys Ltd.), and Mr. Thomas Franco (Social Activist and former Banker), along with internal members, including all HODs, Deans, the Correspondent, Principal, Dr. A. Subitha, and Dr. J. Arulking.



SMART BOARD INSTALLATION

Our college is in the process of introducing smart boards in classrooms to enhance the interactive teaching and learning process. To begin with, one such board has been procured and installed in the boardroom.

A special training programme was organized on 6th December 2024 at 1:30 PM in the boardroom for faculty members. Two faculty members from each department attended the training, which was conducted by an expert from Seagull Technologies, Mr. Ram Kumar.

ENERGY CONSERVATION DAY

The “Energy Conservation Day 2024” event, titled “SELECT 2024” (Sustainable Energy Leadership, Education, Conservation, and Training), conducted at Einstein’s Seminar Hall on 18th December, The Programme commenced at 2:30 PM with a traditional welcome by Dr.M.Marsaline Beno(Dean of Research). Following this, Er. M. R. Padma Kumar (SE,TANGEDCO) presented on energy consumption patterns and global initiatives for energy conservation.

Live demonstrations of energy-efficient technologies by L&T experts, including Mr. V. P. Balasubramanian and Mr. P. Swaminathan, followed. An interactive panel discussion on sustainable energy solutions concluded the event, followed by high tea Organized by the Institution of Engineers, Kanyakumari Local Centre (IEI KKLC), SELECT 2024 successfully provided valuable insights into energy conservation and management for participating professionals.



- Flow Global Technologies** - On Campus Placement Drive was conducted for B.E/B.Tech –ECE,EEE,CSE,IT & MCA on 15&16.10.2024 & 10.30am . Eligibility criteria was 70% and above in Degree. Salary package is 70% and above in 10th, 12th Std & 7.0 CGPA in Degree. Salary package is Rs. 3.75 lakhs per annum (CTC). 32 students were shortlisted for training and the training is going on at company premises.
- Waila Technologies** - On Campus Placement Drive was conducted for B.E/B.Tech –ECE, EEE, CSE, IT &MCA on 28.10.2024, 09.00 am. Eligibility criteria was 70% and above in 10th,12th std &7.0 CGPA in Degree. Salary package is Rs. 3.0 LPA (CTC). 3 Students were selected and provided with job offer.
- Infiniti Software Solutions Pvt. Ltd.-** On Campus Placement Drive was conducted for B.E./B.Tech – Civil, CSE, ECE, EEE, IT & MCA on 29.10.2024. Eligibility criteria was 60% and above in 10th, 12th Std & 6.0 CGPA in Degree. Salary package is Rs. 3LPA – 5LPA (will be based on the performance in the training). Online test was conducted for the shortlisted students on 12/12/2024 and 13/12/2024 and 5 students were selected and provided with job offer.
- Data Patterns (India) Pvt Ltd-** On Campus Placement Drive was scheduled for BE - ECE, EEE / M.E./M.Tech - ECE, EEE on 22.11.2024. Eligibility criteria was 65% and above in 10th, 12th Std & 6.0 CGPA in Degree. Salary package is Rs. 4.2 lakhs per annum (CTC). Jerwin N H and Arun P from final year ECE were selected and provided with job offer.
- Finsurge Technologies** - On Campus Placement Drive was scheduled for B.E/B.Tech – CSE, IT, ECE & MCA, M.E – All departmentson 10.12.2024 . Eligibility criteria was 60% and above in 10th, 12th Std & 67.5 CGPA inDegree. Salary package is Rs.10,000 per month during internship for 6months & After internship Rs.2.4 to 3.0 LPA(CTC). 5 Students were selected and provided with job offer.
- Saif Salim Essa Al Harasi & CO LLC** – On & Pool Campus Placement Drive was scheduled for B.E– CIVIL, EEE, MECH on 10.12.2024. Eligibility criteria was 60% and above in 10th, 12th Std & 6.5 CGPA in Degree. Salary package is Rs.7.2 Lakhs Per Annum (CTC). One Student was selected and provided with job offer. 5 students were kept as waiting list.
- Kaar Technologies-** On & Pool Campus Placement Drive was conducted for all B.E/B.Tech –CSE, IT, ECE, EEE & MECH on 18.12.2024, 19-12-2024. Eligibility criteria was 85% & above in 10th & 12th and 80% & above in Degree without history of arrears. Salary package is 6.5 to 8.0 Lakhs Per Annum (CTC). Level 2 Interview was conducted on 31-12-2024 for six shortlisted students at Kovilpatti.The results are yet to be announced.
- Mafiree Ltd.-** On Campus Placement Drive was scheduled for B.E/B.Tech – CSE, IT, ECE, MBA& MCA on 19.12.2024. Eligibility criteria was 60% and above in 10th, 12th Std & 6.5 CGPA in Degree. Salary package is Rs.1.5 to 3 Lakhs Per Annum (CTC). 3 Students were selected and provided with job offer.



CELL ACTIVITIES



The Parent-Teacher Interaction meeting for the first-year students was held in the Conference Hall on December 20, 2024, at 2:30 p.m. The meeting started with the prayer song. Dr. N. Sheen Kumar, the first-year PTI Coordinator, greeted the gathering. Dr. V. Vijimon Moni, the H&Sc Coordinator, discussed the activities conducted in the H&Sc department. The Principal, Dr. J. Maheswaran, delivered a brief overview of the College's activities as well as an explanation of the fundamental components of autonomy. Mrs. Johnsli Bai, a special guest, gave an awareness talk to the parents.

Dr. S. Mejila Jeevi, PTA coordinator, gave a presentation during the meeting. During the conversation with the parents, several questions and suggestions were made. Dr. V. Christus Jayasingh discussed the Parent mobile app installation. The Correspondent and Principal offered extensive responses to each of the enquiries. The presidential address was made by the correspondent, Rev. Fr. S. Goswin Selva Justus. Mrs. M. Sindhu, Faculty of Physics, proposed the vote of thanks. The meeting concluded around 4:10 p.m. Following the discussion, the parents contacted the relevant faculty members to enquire about their children's grades and attendance percentage.



The Outreach cell has visited the government elementary school at Ambedkarnagar, Chunkankadai on 19.12.2024 and Government Elementary School, Madathuvillai on 20.12.2024 to spread the joy of Christmas and share the spirit of Christmas through distribution of Christmas gifts, Cakes, Christmas carol songs were sung to the children bring a festive atmosphere among the children.

As per the training schedule approved by the NCC unit 11 (TN) BN NCC, Nagercoil, parades were conducted to our cadets on 2-11-24, 9-11-24, 15-11-24, 23-11-24, 29-11-24 and 20-12-24. Our cadets were trained in NCC subjects during these parades. This training is needed for B & C certificate examinations. Cadets were also trained in drill and weapon drill.



Our cadets Aju N J Blessing, Stephen Raj J And John Jins J were selected to attend the 12 days BLC camp at Bannari Amman Institute of Technology, Sathyamangalam from 04th Nov 2024 to 15th Nov 2024. All the three cadets got selected and attended the Advanced Leadership Camp at NIT Karnataka, Surathkal from 9-12-2024 to 20-12-2024.



An interaction meeting for the Vicariate quota students and St. Xavier's Merit Scholarship Examination beneficiary students in first year was held on 06-12-24 at 12.30 p.m in the Einstein seminar hall. Correspondent, Principal, Vice-Principal, Head of H&Sc department and Faculty advisor of student welfare cell were present in the meeting. The main objective of the meeting is to motivate the students to excel in their academic, co-curricular and extra curricular activities.



RESEARCH ACTIVITIES

Journal Article Published

- Dr. Y. Balto**, Assistant professor from Department of Mechanical Engineering has published a Journal paper titled as "Modelling and analysis of heat transfer for roof structures made using novel discarded insulative materials" Journal of Architectural Engineering with an Impact Factor: 1.5
- Dr. J. Jebeen Moses, M. Felix Xavier Muthu** Associate professors from Department of Mechanical Engineering has published a Journal paper titled as "Machining of Ti6Al4V under Cu particle mixed dielectric medium using aluminium composite tool for production of electric motors components" Journal of Ceramic Processing Research, Impact Factor: 1.4, 2024; 25(6): 1069-1086.
- Dr. J. Jebeen Moses, M. Felix Xavier Muthu** Associate professors from Department of Mechanical Engineering has published a Journal paper titled as "Tribological behavior of AA7075 hybrid composites reinforced with Al₂O₃ and TiO₂ particles", Journal of Ceramic Processing Research, Impact Factor: 1.4, 2024; 25(6): 1142-1153.
- M. Jasmin Annie Genefer & M. M. Janeela Theresa** : Soft Actor critic-based Distributed Routing Scheme for Edge Computing Integrated with Dynamic IoT Networks, IETE Journal of Research, 2024 DOI: 10.1080/03772063.2024.2428738.
- Mary Charles Sheeba, Christopher Seldev Christopher**, "Adaptive deep residual network for image denoising across multiple noise levels in medical, nature, and satellite images", Ain Shams Engineering Journal 16 (2025) 103188 <https://doi.org/10.1016/j.asej.2024.103188>
- S. I. Mahizha, J. Annrose, J. M. Christaine Angelo and I. Domilin Shyni**, "Early Detection of Interproximal Caries using YOLOv8 Convolutional Neural Network on Bitewing Radiographs," 2024 5th International Conference on Data Intelligence and Cognitive Informatics (ICDICI), IEEE Xplore, 2024, pp. 797-803, doi: 10.1109/ICDICI62993.2024.10810960.

- Dr. M. Marsaline Beno**, Dean, Research acted as a resource person and delivered a talk on Waste Management at IGEN Industry Challenge 2024 at Anna University, Chennai on 14/12/2024 & 15/12/2024
- Dr. M. Marsaline Beno**, Dean, Research participated in the Christmas Day Celebration held at Nanjil Catholic College of Arts & Science and delivered the Christmas message on 20/12/2024
- Dr. M. Marsaline Beno**, Dean, Research acted as a resource person and delivered a talk on Climate Action and Energy Conservation on World Meditation Day organized by Brahmma Kumaris at Kottar Railway Station Recreation Club on 21/12/2024.

As a Resource Person

As Journal Reviewer

- Dr. J. Anrose** has acted as reviewer for the journal Soft Computing, 14th Dec 2024, A hybrid retrieval generative based chatbot for mental health.
- Dr. Ajith J Kings** has awarded a certificate in recognition of his contribution to a reviewer of manuscript in Applied Sciences Journal December 2025.
- Dr. N. Sheen Kumar**, Assistant Professor of Physics has reviewed a paper in Indian Journal of Physics.



Dr. M. Marsaline Beno was honored with the Distinguished Professor Award by the IET Kanyakumari Local Network at Soma Palmshore, Kovalam, Thiruvananthapuram on December 13, 2024. This prestigious award recognized his exceptional contributions to the field of education, encompassing 25 years of effective teaching and his exemplary academic leadership.

- During the period from July to December 2024, 98 faculty members successfully completed various NPTEL courses, with 9 of them achieving topper status.

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, AP/MECH | Mr. L. Lucase, AP/HSc | Mrs. T. M. Angelin Monisha Sharean, AP/IT | Mrs. S. Shiny, AP/EEE | Mrs. M. Jasmin Annie Genefer, AP/MCA | Ms. C. M. Flora Dani, AP/CIVIL | Mrs. S. Joyse Rebecca, AP/MBA | Mrs. A. Annie Portia, AP/AI&DS