



St. XAVIER'S
CATHOLIC COLLEGE OF ENGINEERING
(Autonomous)
Chunkankadai, Nagercoil - 629003
Kanyakumari District, Tamil Nadu

An Autonomous Institution 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

26th COLLEGE DAY

12-04-2024

ANNUAL REPORT

Very Rev. Fr. vicar General of the R.C. Diocese of Kuzhithurai, Rev Fr Correspondent, Rev Fr Bursar, Distinguished Chief Guest, Governing Council Members, Members of sub committees, Rev. Fathers and Principals of sister Institutions, Rev. Sisters, Guests, Deans, Heads of the Departments, members of the faculty, staff members, Alumni, proud parents and my dear students...

Good Morning and Warm greetings to you all!

St. Xavier's Catholic College of Engineering has been widely recognized for its commitment to academic excellence in higher education over the last 25 years. With the enviable blessings of St.Xavier's, I deem it a great privilege to present the 26th Annual Report which contains a brief summary of educational excellence with a legacy of monumental achievements and activities of our institution.

Recent Achievements

- We have established the Centres of Excellence on Circularity and Resiliency in association with Hariterde International Council of Circular Economy Research

(HICCER) and the Centre of Excellence for Electric Vehicle Technology with TVS and in AR/VR with Scopik.

- Our Institution is one among the 29 Engineering Colleges of Anna University which got affiliation for 2023-24 without inspection based on our overall performance.
- This year two new Computer Laboratories with latest configuration systems were established in the Department of AI&DS and MCA.
- Our Institution is one among the 100 colleges participated in NSIIR Ranking. Our College comes under the category Performer.
- Our Institution is awarded with the Centre of Excellency for Design powered by Autodesk by the ICT Academy.
- A newly erected Statue of Mother Mary was opened and blessed in our campus.
- To make our college self-sufficient in Electrical energy we are in the process of installing 300kw Solar Panel over the roofs of various block inside the college premises.
- SXCCE–Cooperation circle was inaugurated in association with United Religious Initiative (Asia Region) to impart the religious harmony among the students.
- A new Photo point was set and inaugurated.
- We have NBA valid accreditation for the UG Programmes Civil, CSE, EEE, ECE, IT and Mechanical and NAAC Accreditation with A'Grade.

- Our College has UGC recognition under 2(f) & 12(B) acts, permanently affiliated UG programmes, MBA & MCA with Anna University and Anna University Recognised Research centres in Civil, CSE,EEE, ECE, Mechanical, IT, MCA and Physics Departments.
- M/S Flutter Frog, a Start-up company is functioning in our Incubation Centre.
- Institute Innovation Council of our College is awarded with 3.0 star rating based on the activities conducted on Innovation and Entrepreneurship.
- During the academic year 2023-24, 36 companies conducted the placement drives (17-on campus, 10 on & pool campus, 6 on campus virtual and 3- off campus). About 221 students received 324 offers. Our students are placed in reputed companies like, Renault Nissan, One Yes Technology, UST, Hexaware Technology, Syrma SGS, Kaar Tech, H&R Block, Omega health Care, Formcept Technologies, VI Micro System, Pinnacle Info Solutions, Mafiree, Quintessence Business Solutions, Infiniti Software Solutions, Sri Sai Power Equipments, Data Patterns, Soft Square Solutions, Digital Logiciel, Topsides Engg Design, HiGS Software, Just Dial, Zynerd, Novac Technology Solutions, Madras Engineering Industries, Cube Engineers, Pramoda Rebar, Foxconn, Vintorix, Global Quest Technologies, JSE Engg Pvt Ltd, Tessolve, Econ Systems, TCS, Prote Cooling, Movate Technologies, Bosch and so on. with the

highest salary of Rs. 8.0LPA and Average Salary of Rs.2.75LPA.

- About 86 faculty members are PhD holders out of 164 and 59 faculty members are doing PhD.
- Dr.N.AnsgarMary, Dr.S.T.Sheriba, Dr.Jesus Bobin, Dr.Sobini X Pushpa, Dr.Leon Bosco Raj J, Dr.M.Antony Joans Kumar and Dr.P.R.Sheebha Rani have completed PhD recently.
- In our Central Library, we have 30,000 volumes of books and subscribed with online Journals IEEE and Elsevier packages.
- Our College is a venue for conducting online and offline Competitive and entrance exams like GATE, JEE, TNPSC, Bank Exam, TRB, NET, NPTEL, TANCET and so on.
- Our College is acting as the Sports Coordinating centre for the Ninth time for Anna University Zone XIX for conducting various games and sports events.

Events

- Inter National Conference on :
 - Computational Intelligence and Data Analyticswas organised by the Departments of AI and CSE.
- Faculty Development Programmes on:
 - Sales Force Developer
 - Point of Contact and Linkage with innovation Ambassadors
 - Developing soft skills
 - Emerging Technologies

- Errors in Academic Communication
- Teaching Learning and Research Methodology
- DevOps

were conducted.

- About 20 Workshops, 35 Seminars, 30 Webinars were organized by the Technical Associations of various Departments for the students.
- About 6 MoUs were signed with reputed Companies like Hariterde International Council of Circular Economy of India(HICCER), Chekin Tek(CIT), CII Young Indians (YUVA), Scopik Edutech Pvt Ltd, Chennai, TVS Training and Services Ltd and Chennai Veranda Learning Solutions Limited, Chennai.
- Inauguration of the 26th batch UG was held on 9th September, 2023. Dr.Venkateswaran, Senior Scientist, Vigyan Prasar, Dept of Science and Technology, Govt of India presided over the function.
- A “Meet the Great” event with Dr.N.S.Kumar, Former Scientist and Associate Director of DRDO, Bangalore was held on 17/ 10/23.
- The Postal Department has organized a one day Aadhar camp in order to rectify the issues with the Aadhar in our campus.
- An Interaction on ‘Life Long Learning and Ethics in Education’, with Prof. Dr.Seamous O’ Tuama, University of Cork, Ireland, was held on 5th January.

- The Alumni Chapter of Kerala organized a get together at Poovar Island Resort on 18th November.
- A State level seminar on “Recent Trends in Library Sciences” was conducted on 25th August,2023 organized by the Department of Library Sciences.
- Rs.73,46,000 was sanctioned towards the Diocese scholarship and St.Xavier’s Merit Scholarship.
- We have conducted St. Xavier’s merit scholarship exam on 27th March for the academic year 2024-25.
- Seniors Calida Festa- 2024, an inter collegiate cultural fest for the college students was conducted on 29th of February 2024. Juniors Calida Festa for the school students was held on 13th October 2023.
- NSS special camp was conducted in Mulavilai Village from 4/3/24 to 10/3/24.
- A seminar on Archaeology, organized by the Department of Civil Engineering in association with the Library and Information Science and Tamil Mantram was conducted on 4th October.
- ‘Hack the Metaverse’, an event organized by the IEEE of IIT Bangalore, in which 50 teams throughout the Nation participated in it. Two teams of students from our Institution represented for the finale and a team received consolation prizes of Rs.10, 000/- each .
- Mr.Abragam Siyon Sing, Asst Prof of the Department of EEE received an Appreciation Award for the remarkable contribution to IGEN in creating a green environment by the Noble Institution for Environmental peace.

- Our NCC officer, Maj.Dr.Edwin Gladson, was awarded with the appreciation certificate for his excellent performance in all spheres of NCC by the NCC Group commander, Madurai.
- FOSSEE and EnSav clubs in association with Spoken Tutorial project, IIT Bombay organized a National level technical symposium, “FOSS Frontier 2024” on 20th March.
- IET has organized a National level Technical Symposium, “TECHXPLORE 2K24” on 1st March.
- The Department of ECE organized a value added course on Data Analytics and Visualization using Tableau and Power BI for two weeks by ChekIn Tek and also Blended AI with no code.
- The Tamil Mantram in association with NSS, NCC and Outreach cell organized Pongal celebrations at Ambedkar colony on 15th January 2024.
- The Placement cell is organizing a four month training program for the outside students on JAVA Full stack.
- A Rally on Brutality against women was organised by the Women cell of SXCCE on 25th November 2023 in association with our Diocese.
- A Hands on training on “Generative AI in Teaching and Learning” was conducted on 23rd November 2023.
- The Management Fest, “Xhibita” organised by the Department of MBA was held on 8th November 2023.
- The Department of Mechanical Engineering in association with the ICT has conducted a one week hands on training on “Fusion 360degree” for the final year Mechanical students.

- An Awareness Rally on “ World Cancer Day” was held on 5th February 2024.
- The Department of EEE organized a one week student training programme on “Electric Vehicle Technology” from 18th March to 23rd March.
- In accordance with National Science Day, IEEE organized a seminar on “Innovation in Professional Development and Lifelong Learning” on 28th February.
- In accordance with the Women’s Day the District Welfare and Women Empowerment Department organized a bike rally for women on 8th March from Nagercoil to Thuckalay. Around 15 girls of our college participated in it.
- Tech Fest-2024 was conducted in a grand manner on 14th March. Dr.U.T.S.Pillai, Former Chief Scientist, CSIR-NIIST, was the Chief Guest.
- Sports Day -2024 was conducted on 15th March. Mr.S.Sivarajan, International Volleyball Player, Southern Railway was the Chief Guest of the day.
- A Seminar on “Exploring the power of Chat GPT” was conducted on 30/10/23 by Dr.Robin Christ M.C, Professor, Department of Bio Medical Engineering, Rajalakshmi Engineering College, Chennai.
- A Technical symposium based on SDG 7 & 13 was conducted by the Ensav club on 14th November.
- A Webinar on “Mastering the Art of Effective Consultancy” was conducted on 30/10/23 by Dr.Leon Raj, Senior Scientist, CSIR, Jorhat, Assam.

- Alumni Sports Meet was held on 23rd October.
- A training for the “e-sevai maiyam” was organised in our campus by the ICT Academy.
- ACE and Eco Club of our college jointly organised an awareness program for the community workers at Vellichanthai.
- 21st Graduation Day was held on 04/11/23. Dr.Asir Packiaraj, Scientist & Director, ISRO Complex, Mahendragiri was the chief guest.
- Annual NCC Camp was conducted at Scott Christian College, and at Rohini College of Engineering. Our students bagged up prizes for various events conducted.
- The Pre finals and Finals of Youth Talk -2023 organized by the ICT Academy were conducted on 4th and 6th October respectively. Our student, Ms.Reenu Susan Kurian of final CSE won the second prize in the regional finals.
- We also undertake regular Academic Audit and Examination Audit with experts from University College of Engineering, Nagercoil and National College of Engineering, Kovilpatti to help us identify areas of improvement so that we can continue on our path of quality expansion.
- An Eye Check up and General Medical camp was organized by the YRC, NSS, NCC and the Health Care cell of our college in association with Dr.Agarwal Eye Hospital, Bensam Hospital and the Rotary club of Nagercoil on 17th October.
- We have conducted the Fine Arts Day of this academic year on 2nd of November in a grand manner.

- The Kumari Fest, “Iymperum Vizha” conducted from 11th to 13th of January was a renowned success. In accordance with that a Science exhibition was also organized for the school students.
- An Orientation meeting on soft skills was conducted on 20th February for the Faculty members of the Department of H&Sc.
- The Management Fest, “Xhibita” organised by the Department of MBA was held on 25th March 2024.
- The Department of MCA organized a National level Technical Symposium “SCAPE 2K24” on 26th March 2024.

Faculty Achievements

- About 100 research articles were published by our faculty in indexed Journals like SCI, SCI (E) and Scopus.
- Ms.T.M.Angelin Monisha Sharean, Ms.K.Baby Lisa, Ms.M.C.Sheebha, Ms.G.Johny, Dr.N.Ansgar Mary, Dr.A.Suhasini, Ms.P.Ajitha, Dr.R.Jemila Rose and Ms.J.Anikka Nayagi Hemarina were awarded with IIC Campus Ambassador by the Ministry of Education.
- Our faculty has acted as Resource persons in various Seminars, Conferences and Workshops.
- 51 faculty members completed NPTEL courses, 31 faculty members awarded with Elite and 7 faculty members were awarded with Elite Silver. Dr.Edwin Gladson, Dr.Sheen Kumar and Dr.Amala Prathibha Janet received the topper awards.

- Dr.Darwin Jose Raju of EEE acted as the Chairman, Events Committee, IEEE, Humanitarian Technology Board in the annual strategic meeting of IEEE conducted at Boston, USA.
- Dr.S.S.Selva Pradeep of EEE is awarded with IET KKLN Outstanding Contributor Award.
- Dr.A.Subitha of CSE is awarded with Inspiration Award by IET.
- Our Faculty members are conducting “Next to +2- Career Guidance Programme” to the +2 students in various reputed schools. Congrats to Dr.Marseline Beno, Dr.Vijumon Moni, Mrs.Simi Mol, Dr.Joseph Ramesh, Mr.Thomas and Dr.Jesus Bobin.
- The Dean of Research, Dr.Marseline Beno, was awarded with the “Mamma Ada Award” for his academic contribution.

Consultancy Services

Department of Civil Engineering has undertaken Consultancy and Testing of Building Materials for Govt and Private Organisations. In this year the Department has earned around 2,03,700 through this.

Achievements of Students

- Five of our students were qualified in the GATE exam 2024. Rufina of III CSE got cleared in two subjects.
- Our students from II year IT, T.M.Binusha, A.Ramya Devi, and J.Renees Jenisha received a cash prize of Rs.1000 for the women Hackathon organized by TANCAM at Mahendra College of Engineering, Namakkkal.

- Our students won prizes for Short film and Poetry writing in the competition regarding drug awareness conducted by the District Social Welfare Department.
- Around 1000 of our students registered in the IIT Bombay Spoken Tutorial and completed the courses successfully. Around 350 students have been taken up NPTEL Online Examinations.
- Three of the projects of our students were selected for the next level of Niral Thiruvizha -24. Congragulations to the students and the mentors.
- Our fine arts team won the overall championship in the competitions conducted by Kumari kalaikazhagam.
- Our II year Students of the Department of AI bagged up with second and third prizes in the project expo organized by the IIC of Loyola College of Engineering.
- Students of II year AI bagged up the second prize for the Paper presentation and Debugging competitions in the technical Symposium held at Annai Velankanni College of Engineering.
- Supraja of II MCA won the third prize for elocution competition at district level conducted by the Engineers Association of DMK.
- For her outstanding performance in NPTEL, Nayana K Nair of final CSE was offered with the internship at IIT Rourke for two months.

- Our students bagged prizes for Dance, Music, Quiz and Group Discussion competitions conducted by the Rotary club, Nagercoil.
- Our students of AI&DS won the second prize with the cash award of Rs.7000/- in the Luminescence-23' a Science Expo organized by Bethany Navajeevan Institutions, Vencode.
- Our students of AI&DS won the first prize for Poster Presentation and first and second prizes in Debugging in the Technical Expo organized by Annai Velankanni College of Engineering, Azhagappapuram.
- R.Tony Mathew of Second year IT attended a 10 days NCC Basic Leadership Course Camp at KPR Institute of Engineering and Technology, Coimbatore from 25th October to 5th November.
- Francis Galo.S of final CSE has participated in the 'IEEE YESIST12' Grand Finale at Arab Academy for Science and Technology & Maritime Transport, Egypt, from 2nd to 3rd September 2023.
- Three of our students Ahamed Shafeek. S, Santhosh Sharuk. C and Jenishlin Brisho.M from the Department of AI, received the Innovator Star Award 2023 with a cash award of Rs. 10,000 for a project competition organized by Veltech University, Chennai.
- Three of our AI students won the First prize with Rs.10,000/- cash prize in the finals of the Project Competition organised by Pephands foundation at Vels University.

- Out of the 21 ideas submitted by our students 8 ideas were selected for the Kumari Hackathon, and 15 ideas were selected out of 38 ideas submitted for AICTE Smart India Hackathon.
- A team of our students from the Department of ECE got selected in the grand finale of the National level Intelligent Innovations Hackathon 2.0, conducted by Sri Eshwar College of Engineering, Coimbatore.
- One of our students, Ms.Reenu Susan Kurian of final CSE won the third prize in the elocution competition conducted by the Tamil Nadu State Minorities Commission.
- Two of our III year ECE students won the first and second prizes in Tech Chat competition organized by the Department of ECE of Ponjesly College of Engineering.
- Our students won the first prize in group song at the NEMIC fest conducted by NMCC Marthandam.
- Our students won the second prize in group dance at the competition held at Hindu college, Nagercoil.
- Our students bagged up the First prize in the solo dance and the second prize in photography competition conducted by Thiagarajar School of Management, Madurai.
- Two of our III year ECE girl students got participated in the Hackathon for women organized by Kalainjar Karunanithi Institution , Coimbatore.
- Our Fine arts team won the overall championship trophy in the competitions conducted by Kumari Kalai kazhagam.

- Our students bagged up prizes in Dumbcharades, Group song, group dance, quiz and Group Discussion competitions in the cultural fest conducted by the Rotary Club, Nagercoil.
- W.Bency of final year CSE, received the best NSS volunteer award this year.
- One of our third year IT student Harris attended the Global Inventors meet held at Chennai as the Campus Ambassador of our Institution.
- Our II MCA students, Nagalingam, Subi and Asha won the first prize for face painting competition organized by the Department of Social Welfare and women Empowerment of KK Dist.
- One of our students of IV ECE had contributed a book chapter in “Convergence of Book chain to Artificial Intelligence Applications” published by IGI Global in 2023.
- Students of the Department of AI&DS won the first prize in the Project Expo competitions conducted by Francis Xavier HSS.
- Our II MCA students, Akash, Shelton and Merin Rijo bagged the first prize in Spot Programming and Debugging Competitions held at St.John’s college, Ammandivilai.
- 25 teams of 51 students participated in the 24 hours Hackathon organized by the IEEE Extreme Global Event.

Sports Achievements:

- One of our students, Sherjin of final ECE has participated in the Second World Silambam Open Competition held at Pattaya, Thailand and bagged up the Championship trophy.

- In the Anna University Zone 19 women Chess tournament our students bagged the first prize conducted at Amrita College of Engineering.
- In the Anna University Zone 19 Women ball badminton tournament our students bagged the second prize held at our Institution.
- In the Anna University Zone 19 Boys Table tennis tournament our students bagged the second prize held at Stella Marys College of Engineering.
- Our College Basketball team won the Silver medal in Anna University Zone 19 Basketball tournament held at our Institution.
- Our students won the Bronze medal in Anna University zone 19 Football tournament conducted at MET Engineering College.
- Our boys team won the second prize in Anna University Zone 19 badminton tournament conducted at our Institution.
- Our boys won the second prize in High jump and third prize for Javelin throw in the Anna University Zone 19 Athletic meet conducted at Loyola College of Engineering.

PTA and Alumni Association

We have an active Parent-Teacher Association & Alumni Association in the College and we are conducting Executive meetings and General Body meetings regularly.

Conclusion

It is my special privilege to express my deep and sincere thanks to the Management and the Governing Council members for their support and good wishes which we value and confidently rely on. I thank all our faculty, staff and students for their support and the efforts they put in for the overall growth and development of the institution.


Few of our projects on the Anvil are,

- Research Institute recognition from Anna University.
- Establishing Industry supported labs and centres of Excellence.
- More interaction and rapport with Industries.
- Students exchange programmes with foreign Universities.
- NBA Accreditation for MBA, MCA programmes.
- More R&D funded projects.
- Achieving International Accreditation like ABET.

It's all possible with the blessings of God and all your support.

**“You don’t have to be great to start,
but you have to start to be great”.**

Thank you.



Dr. J. MAHESWARAN, M.E. Ph.D. FIE. MISTE.
PRINCIPAL
ST. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING
CHUNKANKADAI
NAGERCOIL - 629 003