

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.

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

by **Rev. Fr. S. Godwin Selva Justus**



Dear SXCCE Family!

Indeed it's my joy to meet you through our campus connect. We know for certain that our college is situated in a rural set up. The primary motive is to empower and make excellence in the technical world our future generation hailing from such rural background. To materialize the mission, our college takes a numerous efforts. One of the efforts would be awarding the first rank holder in his or her 10th and 12th std. The contact persons of the particular areas are showing your remarkable responsibility that is to be appreciated.

The placement record this year shows a tremendous growth. Still there is a space to improve. However, the following departments namely CIVIL, MCA, MBA and ME get a special reward for their placement ratio. I hope our faculties are always sincere and serious towards the placement of the students.

The ongoing formation is needed for everyone especially the persons who are constantly in touch with the human society. The teaching faculties of this esteemed engineering college are not exempted from the fact. It is heartening that you have very well organized the FDP and OBE programs and you made your full attendance too.

The meticulous planning for the students' training program on JAVA is laudable. This is the need of the hour too. We still need to motivate many students to join such programs. Celebrating "yoga day" is made mandatory. But it is healthy if there is a follow up. It is same as the world environment day. These all have the formative value, just for report sake if such things are done, they may lose their significance.

We need researchers as our college is aiming to become a research institute. It is really a happiest thing that some of our faculties are constantly involving themselves in publishing journals and articles. A great appreciation to Dr. Marcelin Benno who rendered his service as a resource person on the environment day celebration in Stella Mary's College and conducting carrier guidance and goal setting in Mulagumoodu Vicariate and taking up the responsibility of motivating our freshers in the bridge course. My sincere appreciation also goes to Dr. J. Arul King and Dr. M. Starwin for completing their Phds.

Wish You All the Best! May God Bless You!

- Events
- Students Achievements
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- Cell Activities
- Research Activities
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Contents

Upcoming Events

- Reopening of VII semester UG Classes - 15.07.2024.
- Reopening of III, V semester UG classes & III Semester MCA - 29.07.2024
- Soft Skill Training - 18.07.2024 & 19.07.2024
- Holy Mass - 26.07.2024



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

It's my pleasure to congratulate the efforts taken by the members of our Newsletter for publishing this issue. In this period, we achieved a lot of laurels, a few include

- * Institute level Research Centre by Anna University
- * 3 years continuous approval by AICTE
- * Additional 60 seats in BE- CSE, BTech-AI & DS
- * Extension of NBA accreditation validity for three UG programs Civil, CSE & IT
- * NPTEL courses completion by many students and faculty

* Almost all students of upcoming final and third year students attending Internship in reputed Organizations

We conducted program for all faculty on Curriculum Design and Implementation, Soft Skills, IPR and innovative Research & Effective Counselling. Our Graduation rate of 2024 batch is 85%. Final year placement Training program is from 15th July and commencing classes for second, third and final year from 29th July. Hope the academic year 2024-25 will be a fruitful year in terms of lot of laurels and achievements.

All the very best

PRINCIPAL'S MESSAGE



Dr. J. Maheswaran

EVENTS

INITIATION CEREMONY



The initiation ceremony for the new correspondent and the new bursar took place on June 11, 2024. The event was honored by the presence of our distinguished Vicar General, Rev. Fr. Xavier Benedict, who officiated the ceremony. The highlight of the event was the formal transfer of duties. Rev. Fr. Dr. M. Maria William officially handed over the College Manual, symbolizing the responsibilities and guidance required to lead the institution, to Rev. Fr. S. Godwin Selva Justus. Subsequently, Rev. Fr. M. Francis Xavier passed on a financial document, representing the trust and duty of managing the College's finances, to Fr. Xavier Raj. R. This gesture marked the official transfer of responsibilities and the commitment of the new bursar to uphold the financial integrity of the institution.

Rev. Fr. S. Godwin Selva Justus delivered an acceptance speech, outlining his vision for the College's future. He expressed enthusiasm and commitment to upholding the College's standards of excellence and fostering an environment conducive to growth and innovation. Fr. Xavier Raj. R. also delivered an acceptance speech, outlining his vision for the financial future of the College.

Rev. Fr. Dr. M. Maria William expressed gratitude to the College community for their support and cooperation during his tenure. He shared valuable insights and experiences, emphasizing the importance of unity and dedication in achieving institutional goals. Then, Rev. Fr. M. Francis Xavier expressed heartfelt gratitude to the College community for their unwavering support. He reflected on his tenure by sharing valuable experiences and insights, highlighting the critical roles of transparency, accountability, and teamwork in ensuring effective financial management.

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 HSC board exams (Tamil Nadu), of both Kuzhithurai and Kottar Dioceses. Under this scheme, the award has been given to the meritorious students of Church of Sacred Heart of Jesus, Irudhayapuram, Sacred Heart Church, Parakuntu, St.Antony Church, Palavilai, St.Antony Church, Surulacode, The Sacred Heart of Jesus Church, Assisi, Nagercoil, St.Antony Church, Manali, St.Antony Church, Chinnavilai, St. Aloysius Church, Karankadu, and St. Peter and Paul Church, Saral in the month of June, 2024.



STUDENTS ACHIEVEMENTS

Placement Record 2023-2024

Sl.No	Department	Number of Students Placed	Number of Offers
1	CSE	61	94
2	ECE	46	75
3	IT	22	37
4	EEE	33	70
5	MECH	67	116
6	CIVIL	20	25
7	MCA	4	5
8	MBA	3	4
9	ME	3	4
		259	430

ACADEMIC ACTIVITIES

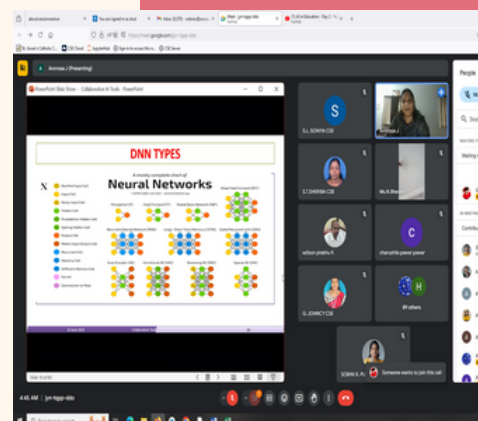
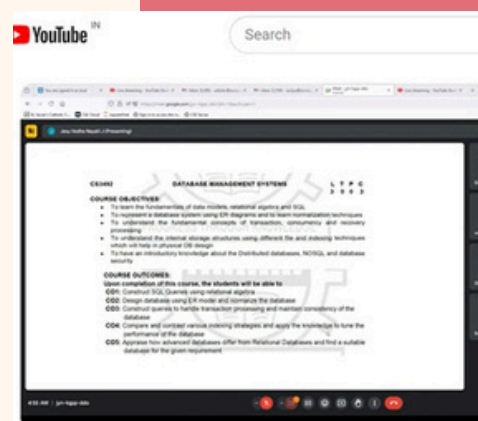


The **fourth BOS meetings** were held on the following dates: Civil Engineering Department on June 7, 2024; ECE on June 8, 2024; Computer Science and Engineering, Information Technology, Artificial Intelligence and Data Science and Master of Computer Applications on June 14, 2024; Electrical and Electronics Engineering Department on June 18, 2024; and Mechanical Engineering Department on June 20, 2024.

A **virtual FDP on Artificial Intelligence in Education: Integrating AI into Computer Science Curriculum** was organized by the Department of Computer Science and Engineering from 24/06/2024 to 29/06/2024. A total of 523 faculty members from various colleges attended the FDP. The primary objective of this FDP was to enhance the teaching skills, research capabilities, and subject knowledge of the faculty members.

The resource persons were Dr. K. S. Angel Viji, Associate Professor, Department of Computer Science and Engineering, College of Engineering, Perumon, Kollam; Dr. J. Annrose, Associate Professor, Department of Information Technology, IQAC Coordinator, SXCCE; Dr. D. Beulah David, Professor, Department of Quantum Intelligence, Saveetha School of Engineering; Dr. C. Seldev Christopher, Professor, Department of Computer Science and Engineering, Associate Dean Academics, SXCCE; Dr. Jesu Vedha Nayahi, Assistant Professor, Department of Computer Science and Engineering, Anna University Regional Campus, Tirunelveli; and Mr. Anto Gracious, Assistant Professor, Department of Computer Science and Engineering, RMK College of Engineering and Technology, Trivallaur.

Topics covered in the FDP included AI education tools for teachers, collaborative AI tools, integrating AI with IoT in smart city development, computer vision, AI in education technology, and case studies of successful projects in education.



The **Faculty Orientation program on OBE based curriculum design and introduction to new SAR(TIER I)** took place on June 26, 2024, organised by the IQAC at SXCCE. Dr. R. P. Anto Kumar, Dean of Academics warmly welcomed the attendees and provided an introductory speech. The Correspondent Rev. Fr. S. Godwin Selva Justus inaugurated the FDP with an excellent speech emphasizing the importance of Outcome Based Education. Dr. J. Annrose introduced the chief guest. Dr. T. Thyagarajan, Pro-Vice Chancellor, VIT, Chennai led the session with an outstanding presentation on the topic. Finally Dr. S. Edwin Gladson, HOD/Physics delivered the Vote of thanks.

PLACEMENT ACTIVITIES

- **Keechery Engineering Company** - On Campus Placement Drive was conducted for B.E–CIVIL, EEE,MECH & MBA– All departments on 21.06.2024. Eligibility criteria was 60% and above in 10th, 12th and in degree. Salary package is Rs.1.8 to 3.0 Lakhs -CTC(company benefits like PF, Gratuity, Bonus , Medical Insurance). One student got selected.
- **COGNIZANT** – Virtual On Campus Placement Drive was conducted for B.E/B.Tech –ECE,EEE,CSE,IT, Civil, Mech, M.E/M.Tech – All departments on 25.06.2024. Eligibility criteria was 60% and above in 10th, 12th and in degree. Salary package is Rs.4.00 lakhs per annum (CTC) – Gen C. One student is shortlisted for final round.
- **TCS** - OffCampus Placement Drive was conducted for B.E/B.Tech –ECE,EEE,CSE,IT, Civil, Mech, M.E/M.Tech – All departments. Eligibility criteria was 60% and above in 10th, 12th and in degree. 14 students are shortlisted for final round.

TRAININGS

- **Java Full Stack -Batch 1** for external graduates have been started on 18-1-2024. They have trained by internal placement trainers and SFS-Dean on various modules. After completing the course, they have attended the interviews.
- Among 7 students, 2 of them got selected in Amadis Technologies.
- 1 student got selected in Infiniti software Solutions Pvt. Ltd.
- **JAVA Full Stack-Batch 2** was started on 19-6-2024. 14 students have joined in this course. Placement Assistance will be provided for the students at the successful completion of course to get their dream IT Job .



COE ACTIVITIES

April/May 2024 Phase-I Examinations

- April/May 2024 Phase-I end semester theory examinations of B.E./B.Tech. R-2021 sixth semester, R-2017 eighth semester and 2019 batch passed out Civil Engineering, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Information Technology and Mechanical Engineering were conducted from 21-05-2024 to 14-06-2024.
- Pre-valuation board meeting was conducted on 14-06-2024.
- Valuation was conducted from 18-06-2024 to 20-06-2024.
- Result Passing Board meeting is scheduled to be conducted on 01-07-2024.





April/May 2024 Phase-II Examinations

- April/May 2024 Phase-II practical examinations for R-2022 second and fourth semester B.E./B.Tech., M.E., M.B.A. and M.C.A. were conducted from 18-06-2024 to 26-06-2024.
- April/May 2024 Phase-II theory examinations are scheduled to be conducted from 01-07-2024 to 22-07-2024.

Examination Audit

- Audit of Nov./Dec. 2023 end semester examinations was conducted on 12-06-2024 by Dr. S. Muthuramalingam, Controller of Examinations, Thiagarajar College of Engineering, Madurai.

CELL ACTIVITIES

An external IQAC meeting was held on 03.07.2024 to discuss about the achievement status of benchmarks 2023-2024.

As per the direction given by our NCC unit 11(TN) BN NCC, Nagercoil, **International Yoga Day** was celebrated in our college on 21st June 2024 from 7.30 am to 8.30 am. A brief introduction about Yoga day and the importance of Yoga was given to the cadets by the ANO Maj S Edwin Gladson. Under the guidance of Physical Director Mr M Thomas Mathiyas, cadets Tony Mathew and Shergin Sam led the Yoga program. Yoga practice started with yoga prayer followed by loosening practices. After that ten different asana were practiced and ended with Sankalpa. The program was conducted with the blessings of our correspondent Rev.Fr.S.Godwin Selva Justus, Principal Dr.J.Maheshwaran and bursar Rev.Fr R Xavier Raj. Seventy three cadets (48 SD and 25 SW) participated in this event. NSS Programme Officers Mr John Paul and Mr Agnel Livingsten were also present during the program.



The **World Environment Day** (WED) was established in 1972 by the United Nations. It had resulted from the discussions on the integration of human interactions and the environment. The theme of WED – 2024 is 'Land restoration, desertification and drought resilience'. In view of WED – 2024 an awareness program was conducted to the cadets on 5-6-2024. The ANO explained the theme of WED – 2024. Cadets took pledge to nurture nature so that our forests grow denser, air gets purer and oceans teem with life. After that the cadets removed the plastic wastes in the campus. Twenty one cadets and the ANO participated in this program

RESEARCH ACTIVITIES

Journal Article Published

- **Dr. A. Bamila Virgin Louis, AP, CSE** has published a paper on “Resource allocation in paired users: Optimization-assisted user grouping for fairness improvement of NOMA”, Int J Commun Syst, vol.37, issue.9, June 2024.
- **Dr. B.C.Preethi, AP/ECE** has published a paper on “Intrusion detection and secure data storage in the cloud were recommend by a multiscale deep bidirectional gated recurrent neural network”, Expert Systems With Applications, 255 (2024) 124428.
- **Dr. M. Gerald Arul Selvan** Assistant professors from department of mechanical engineering has published a paper titled as “Extraction and characterization of Oplismenus hirtellus grass fiber for possible bio-reinforcement material in polymer composites” <https://doi.org/10.1007/s00289-024-05360-4>, ‘Polymer Bulletin’
- **Dr.M Marsaline Beno, Dean, Research**, published a paper titled “Comparison of Interference Isolation using Meta material Bowtie Decouple in MIMO Tilted S Shaped & EL Shaped Antenna” Conference Proceedings, 7th National Conference on Innovative Technologies in Engineering (NCITE-24)

As A Resource Person

- **Dr. M. Marsaline Beno, Dean, Research** acted as a resource person for Environment Day at Stella Mary’s College of Engineering, KK District on 05/06/2024
- **Dr. M. Marsaline Beno, Dean, Research** conducted Career Guidance & Goal Setting Orientation Program for 9 to 12 Students at Mulagumoodu Vicariate YCS on 16/06/2024
- **Dr. M. Marsaline Beno, Dean, Research** conducted Motivational Program on Self-Awareness and Time Management for the newly joined First Year Students 27/06/2024

Dr.J. Arul King, AP/ECE , Completed his PhD in Anna University, Chennai on the title “Certain Investigations on Lung Nodule Segmentation Using Deep Learning Architectures” under the supervision of Dr. C. Helen Sulochana, Professor/ECE on 27.05.2024



Dr.M.Starwin, AP/ECE , Completed his PhD in Anna University, Chennai on the title “Performance Analysis on Complementary Coded CDMA Systems for Uplink transmission with different detection Scheme” under the supervision of Dr. Judson, Associate Professor/ECE, SRM Valliammai Engineering College, Chennai on 27.06.2024

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