



ST. XAVIER'S CAMPUS CONNECT

Volume-I, Issue-3, APRIL-2021

Content

- Messages
- Events
- Achievements
- Academic Activities
- Placement & Training
- Extra-Curricular Activities.

Upcoming Event

- Student Induction Program on "Importance of Mathematics in Engineering" from 26.04.2021 to 30.04.2021



Message from the Correspondent

At last, we are back on our working tables after an anxious lull, because of the two cruel waves of Covid-19. Humanity has come out stronger, more resilient and more humane, after the onslaught of Corona. We have faced the delicate fragility of human life and at the same time the iron-strong resilience of human spirit. We have learned the difference between handling natural catastrophes with superstitious, simplistic gimmicks and managing them with diligent scientific planning and appropriate execution in our state. We have also seen how science and technology could come to our aid to save people from grave pandemic situations.

I am immensely happy about the solidarity our staff and students manifested when we came to know that few of us and relatives of few of us contracted Covid-19, and especially, when news about the sad demise of few of our past students and some relatives due to this heinous illness. Let us still continue to follow the SOP of Corona and keep ourselves safe and stop the third wave.

I take this opportunity to heartily appreciate all the committed staff who made on-line classes useful and enjoyable for our students. It is widely commented that our virtual classes were of good quality and standard. Hats off to the staff and the students!

We are waiting for the beginning of the next academic year, with renewed spirit. I wish and pray that we will resume our real classes at the earliest. Let us put our heads together to develop the original, studious rhythm for in campus and off campus activities. May our commitment and hard work bring us to great success.

Rev. Fr. Dr. M. Maria William
Correspondent

ST. XAVIER'S
CATHOLIC COLLEGE OF ENGINEERING
Chunkankadai, Nagercoil, Kanyakumari

Accredited with 'A' grade by NAAC
UG programs EEE, ECE & Mech accredited by NBA
Recognized under section 2(f) & 12(B) of UGC Act, 1956
Approved by AICTE, Affiliated to Anna University
All UG, MBA & MCA programs permanently affiliated

SPHINX'20

A one-day district level quiz competition-SPHINX'20 for higher secondary school students was organized by SHAX (Science & Humanities Association of Xavier's) of Humanities & Sciences on 19.02.2021.

The Quiz Competition was conducted by Dr.R.James Ligorias, Professor in English & Communication Trainer. The first prize with a cash award of Rs.3000 and Dr.A.P.J. Abdul Kalam Rolling Trophy was bagged by Alphonsa Matric Higher Secondary School, Nagercoil for the fourth time. The second prize with a cash award of Rs.2000 was received by St. Joseph Matric Higher Secondary School, Mulagumoodu and the third prize with a cash award of Rs.1000 was received by Smt. R.P.R. Hindu Vidyalaya Matric Higher Secondary School, Thuckalay.



ICRITCC'21

The virtual "International Conference on Recent Innovative Trends in Communication and Computers (ICRITCC'21)" was held on 25th and 26th March 2021. Dr. M. Mary Helta Daisy, HOD/ECE declared the conference officially open and delivered the welcome address. Ms. R.L. Janne Helma, Asst. Prof/ECE introduced the conference in a nutshell. Dr. J. Maheswaran, Principal/SXCCE felicitated the conference with his wishes and blessings. Vote of Thanks was delivered by Mr. S. Edwin Lawrence, Asst. Prof/ECE. The Keynote speakers are Dr. A. Milton, Co-ordinator of Internal Quality Assurance Cell, SXCCE], Dr. Thinagaran Perumal, Department of Computer Science and Information Technology, University, Putra, Malaysia, Mr. B. Magesh Kumar, Product Security Lead & Cyber Security Solutions Specialist, CISCO Systems Pvt.Ltd., Bangalore, Dr. M. Lakshmi, Prof., Department of Computer Science & Engineering, SRM Institute of Science & Technology, Kaatankulathur, India. Dr. J. Joshua Thomas, Senior Lecturer, UOW, Malaysia, KDU Penang University College, Malaysia. Mr. R.S. Krishna Kumar, Digital Transformation Specialist, Infrastructure Services for IBM India. Ms. Venetha Venkatesan, Agile Enthusiast, Transformation Specialist and Technical acumen, Cognizant, Belgium. Dr. Reshmy Krishnan, Head of Research and Associate Professor, Muscat College, Sultanate of Oman. Five sessions were conducted for paper presentation.



SUPERVISOR RECOGNITION

Dr. Jessie Mol Associate professor Civil Engineering Recognized as a Supervisor Ref no : 3710002 for Guiding Ph.D. Sholars of University Under the Faculty of Civil Engineering and the area of specialization are “Environmental Engineering , Water Resources Engineering ,GIS , Soft Computing in Civil Engineering”

WEBINARS

WORKSHOP ON eSIM

Society of Electrical Engineers (SEE) organized a one day workshop on eSim for the students of III year EEE department of our college on 24/02/2021. Prof. J. Leon Bosco Raj, AP/EEE handled the entire sessions. A quiz on the workshop topic was conducted and prizes were given to 8 students who scored above 75% in the quiz. Students were asked to select a circuit of their own interest and apply for internship to IIT Bombay within 2 weeks.

PYTHON PROGRAMMING

The department of ECE conducted one-day workshop on Python Programming on 24/02/2021 for all PG students and staffs of ECE. The resource persons for this workshop are Dr. D.Jeraldin Auxillia, Professor, ECE and Dr. C. Helen Sulochana, Professor, ECE, SXCCE. This workshop introduce Python, the programming language designed to emphasize code readability. The students gained the working knowledge needed to start programming, debugging and using Python in everyday tasks.

LARAVEL FRAMEWORK

A One Day webinar on “Laravel framework” was organized by Department of Computer Applications on 22.02.2021. The workshop was organized for II & III Year MCA students. The Session was handled by Mr. S. Venkadasalam, CEO, Cloverworld Technologies.



INTRODUCTION TO HDL PROGRAMMING

The department of ECE conducted one-day workshop on 'Introduction to HDL Programming' on 1/03/2021 for all PG students and staffs of ECE. The resource persons for this workshop are Dr.T.Latha/Associate Professor ECE, Dr. Y.R.Annie Bessant /AP ECE SXCCE. The participants are given Hands on training on VLSI basics and programming in Verilog HDL & VHDL. The Programming workshop was useful for them in project implementation.

HOW TO PREPARE FOR INFYTQ

The Department of Information Technology of our college has conducted a webinar on "How to prepare for INFYTQ" on 4/03/2021. The resource persons were Ms.M.Akhila and Ms.S.Sanjana. Totally 28 students participated. This program was very useful to the students who are interested to learn and willing to get a job.

WORKSHOP ON eSIM

Society of Electrical Engineers (SEE) organized a one day workshop on eSim for the students of II year EEE department of our college on 04/03/2021 by Prof. V. Jesus Bobin, AP/EEE.

PIPING DESIGN AND ENGINEERING STRESS ANALYSIS

An one day enrichment program on “Piping design and engineering stress analysis” for the mechanical engineering students was held on 19/03/2021 at CAD lab of department of mechanical engineering. Er. S. Sherin, an Alumni was the resource person for this programme.



ENGINEERING AND CAREER DECISIONS

The final year and pre final year students of mechanical engineering department were attended an one day enrichment program on “Engineering and career decisions” on 18. 03. 2021 at CAD lab of mechanical engineering department. The resource person Mr. Dawning Jeeva, an Industrialist delivered the scope for career opportunities for the young engineers



BASIC REFRESHMENT TRAINING

Er. K. Hariharan, an alumni has delivered a special talk on “Basic refreshment training” to the mechanical engineering students on 17.03.2021 at CAD lab of mechanical engineering department



AUROCRAAT WITH GOOGLE SHEETS



A hands-on training on “Autocrat with Google Sheets” was conducted on 06/03/2021 for the staffs of Department of Information Technology. The resource person was Mr.C.M.Varun, Assistant Professor/IT. He handled the topics on how to automate the certificate generation and distribution using Autocrat in Google Sheets. Everyone actively involved in the session.

BLOOM’S TAXONOMY BASED TEACHING

The Department of Information Technology conducted a FDP on the topic “Bloom’s Taxonomy Based Teaching – Part II” by Dr.R.Jemila Rose, TDC member on 06/03/2021 at 10.00 a.m. in the Tutorial Hall.



PRACTICAL PROBABILISTIC MODELING

The Department of Information Technology of our college has conducted Online two days international FDP on "Practical Probabilistic Modeling using Deep Learning" was conducted on 9th and 11th March 2021 by Dr.Shaja Arul Selvamani, Senior Director Data Science, Yodlee, San Francisco, USA.



HOW TO DO PROJECTS USING PYTHON PROGRAMMING LANGUAGE

A special program on "How to do projects using Python Programming Language" was conducted on 10/03/2021 by Mr.P.Siva Rama Krishnan, HITECH Solutions, Nagercoil for III and IV year students.



SEMINAR ON WIND ENERGY

Society of Electrical Engineers (SEE) organized a seminar on Wind Energy technologies for the III EEE year students of our college was conducted by Prof. A. George Ansfer, AP/EEE handled on 12/03/2021.

STRUCTURAL DESIGN

A Seminar on "Structural Design" was conducted on 12th march 2021 for Civil Engineering Final Year students. The Session was handled by Mr S U Sriram, Structural Designer , Designer Construct , Nagercoil .



DEMYSTIFYING BLOCKCHAIN



A seminar on "Demystifying Blockchain" was conducted on 18/03/2021 for the Computer Science and Engineering staff and students. The Session was handled by Dr. Sonali D. Patil, Professor and Head, Department of IT, Pimpri Chinchwad College of Engineering, Pune – 44.

A seminar on “Starting Cloud Journey with Azure” was conducted on 19/03/2021 for the Computer Science and Engineering staff and students. The Session was handled Mr. GAVASKAR S, Delivery Director Alibaba Cloud, Multicloud4u and Academy.



ARTIFICIAL NEURAL NETWORK

Society of Electrical Engineers (SEE) organized an online workshop on Artificial Neural Network for the PG students EEE department and interested students and faculty of our college on 22/03/2021. Dr.C.K.Babulal, Professor/EEE, Thiagarajar College of Engineering handled the online sessions.

INTRODUCTION TO UI DESIGN

A seminar on “Introduction to UI Design” was conducted on 26/03/2021 for the Computer Science and Engineering staff and students. The Session was handled Mr.ANTO P, Graphic Designer,Rajas group of Institutions.



ORIENTATION FOR ALL STUDENTS AND FACULTIES

Institution Innovation Council (IIC) of St.Xavier’s Catholic College of Engineering, organized Webinar on “Orientation session for all students and faculties of the Institute by innovation Ambassadors” the resource person of the session was Dr.S.Balakrishnan, Professor and Head-Computer science and Business systems, Sri Krishna college of Engineering and Technology on 30-03-2021.



IQAC ACTIVITIES

- IQAC meeting was conducted on 27-02-2021.
- IQAC and TDC conducted an online FDP on Bloom's taxonomy based teaching for all the faculty members of SXCCE on 26-02-2021.
- Meeting of internal members of IQAC was conducted on 24-02-2021.
- NBA expert team visit in blended mode was held on 9, 10 and 11-04-2021 for the accreditation of the UG program Civil Engineering, Computer Science and Engineering and Information Technology.

STUDENT’S ACHIEVEMENTS

- Gayathri and Sadhana.S of Third IT have won the Top Performer award in National level Crossword Finding competition held at Jeppiaar Institute of Technology on 15.03.2021.
- Alvina Cynthia, Anish Gnanamoni, Ajith.J, Biju Mathew of final year IT have won Third Prize with a cash award of Rs. 2000/- in IEEE Project Expo – Demonstration of software project entitled “Analyzing Covid using AI” on 17.04.2021.

VOTERS AWARENESS CYCLE RALLY

In order to motivate the public to cast vote in the assembly election 2021 a cycle rally was conducted by the NCC company of Muslim Arts College, Thiruvithancode. The rally started from Kalliyakavilai and ended in Kaniya Kumari. Fifteen cadets from our college and the ANO greeted the cadets who were involved in cycle rally at Chunkankadai. Our cadets joined them in creating awareness among the public on 100 % voting. Our cadets also distributed pamphlets to the public in this regard. This program has really motivated the public in general and the cadets in particular.



SPORTS ACTIVITIES

We have conducted a zonal physical directors meeting on 01-03-2021, for zone-19. Twenty members present in the meeting



Our Principal (Zone-19 sports coordinator) and our director of physical education (zone-19 sports secretary) attended a meeting conducted at Anna University sports board on 05.03.2021 at Anna University, Chennai

Our College Men Basket ball team Participated the Anna University 19th zone Basket ball Tournament Held at SXCCE College of Engg Dated 18/03/2021



Our college Women Badminton team won the Gold Medal in the Anna University, 19th zone Badminton Tournament held at St Xavier's catholic College of Engg, dated 20/03/2021

Our college Men Chess team won the Fourth Place in the Anna University, 19th zone Chess Tournament held at University College of Engg, Nagercoil dated 22/03/2021



Babish.M , Jenish.P, Lajin.Y of Third year IT have won the Third Prize in state level Cricket – Anna University Zonal Tournament 2021 held at MET College of Engineering on 31/03/2021.

PLACEMENT ACTIVITIES

Allsec Technologies – On campus placement drive was organized for final year B.E/B.Tech & MCA students on 19th Feb 2021. Eligibility criteria was 6.0 & above CGPA and students with standing arrears can also attend. 43 students got placement offers.



Flow Global – On campus placement drive was organized for final year B.E/B.Tech & MCA students on 5th march 2021. Eligibility criteria was 6.0 & above CGPA with no standing arrears. 3 students got placement offers.

The placement training for all the final year & pre final year B.E. / B.Tech, MCA students in “programming/coding skills” was conducted for 8 days on 8th,10th,15th,16th,17th,29th,30th,31st March 2021. External trainer Mr. Mr.Manikantan from Syspro Academy, Nagercoil trained the students.



Justdial Ltd. –On & pool campus placement drive was organized on 16th April 2021. Eligibility criteria were 6.0 & above CGPA in degree and the students with standing arrears can also participate. 6 students got placement offers.

- ❖ Noevos Market Research and Analysis Pvt Ltd. – Off campus placement drive was organized at company premises, Nagercoil for final year B.E/B.Tech-CSE, IT students on 15th Feb 2021. Eight students got placement offers.
- ❖ Infosys virtual campus placement drive was organized virtually for final year B.E/B.Tech & MCA students on 21st Feb 2021. The results are yet to be announced.
- ❖ Sutherland Global Services Pvt Ltd. – Virtual on campus placement drive was organized virtually for all B.E/B.Tech , M.E, MCA & MBA students on 22nd Feb 2021. Eligibility criteria was 6.0 & above CGPA and students with standing arrears can also participate. 52 students got placement offers.
- ❖ Reliance Retail – On campus Placement drive was organized for final year MBA students on 18th March 2021.
- ❖ 10 students got placement offers.
- ❖ CRI Pumps –On campus placement drive was organized for final year B.E- EEE, MECH students on 19th March 2021. Eligibility criteria was 6.0 & above CGPA in degree and the students with standing arrears can also participate. 62 students got placement offers.
- ❖ Kyungshin Industrial Motherson Pvt. Ltd.(KMIL) – On campus placement drive was conducted for B.E-ECE, EEE students on 22nd March 2021. Eligibility criteria was 6.0 & above CGPA in degree and the students with standing arrears can also participate. 45 students got placement offers.
- ❖ ICICI Prudential Pvt Ltd. – Virtual on campus placement drive was organized virtually for all B.E/B.Tech, MCA and MBA students on 24th March 2021. Eligibility criteria was 6.0 & above CGPA in degree and the students with standing arrears can also participate. 27 students got placement offers.
- ❖ Sureti IMF Pvt Ltd. – On campus placement drive was organized for all B.E/B.tech, MBA and MCA students on 29th March 2021. Eligibility criteria was 6.0 & above CGPA in degree and the students with standing arrears can also participate. 15 students got placement offers.
- ❖ ZOHO – Off campus placement drive was organized in company premises, Villukuri, Nagercoil on 29th March 2021. One student got placement offer.
- ❖ Sri Mookambika Infosolutions (SMI) – Virtual on campus placement drive was organized for final year B.E/B.Tech & MCA students on 23rd April 2021. Eligibility criteria was 6.0 & above CGPA with no standing arrears. Results are yet to be announced.
- ❖ Rising Stars Mobile India Pvt. Ltd.(Foxconn Group) on & Pool-campus placement drive was organized for final year B.E/B.Tech & Diploma students on 27th April 2021. Eligibility criteria was 6.0 & above CGPA with no standing arrears. Results are yet to be announced.

TRAINING

- ❖ A Study Abroad Awareness Programme was organized for all III & IV year B.E/B.Tech students on 6th March 2021 by Ms.Aishwarya Sasidaran, Branch Manager, IDP, Trivandram.
- ❖ Infosys-Campus connect conducted a Webinar based training on “Programming Fundamentals using Python through INFYTO Platform”, from 8th to 12th March 2021 for two staff members and eight III year CSE/IT students. Upon successful completion of the program, a PEP (Peer Enablement Program) is organized for 25 students [Each student shares knowledge with 3 more students], guided and monitored by the trained two staff members.
- ❖ Online placement training in soft skills was organized for all I year students on 12th & 13th April 2021 by Ethnus Training Solutions, Bangalore.
- ❖ Online placement training in soft skills was organized for all II year students on 12th & 13th April 2021 by Ethnus Training Solutions, Bangalore.
- ❖ Online placement training in Quantitative aptitude was organized for all III year students on 12th & 13th April

INTERNATIONAL WOMEN'S DAY

International Women's Day was celebrated on 8/03/2021 in the seminar hall. Miss. B.V. Benila Grace, President, Women cell, delivered the welcomed address. Dr. J. Maheswaran, Principal, delivered the Felicitation address. Dr. T. Latha, Faculty Advisor, Women cell, introduced the Chief Guest. The Chief Guest on the day was Mrs. R. Leema Rose, Ex MLA, Thiruvattar Constituency and State Committee Member of All India Democratic Women's Association. She shared about the status of women and the problems faced by the working women in the society. The Best Female Student Award was given to Miss. Farhana of IV ECE. Miss. K. Atchayah, of IV EEE, Women cell member, delivered the vote of thanks.

ANTI-RAGGING

The Anti-ragging committee was conducted at St. Xavier's Catholic College of Engineering, Nagercoil at 3.00 pm on 18-03-2021. The meeting was headed by the Principal Dr. J. Maheswaran and organized under the support of Dr. T.M. Chenthil Jegan, Convener/Anti ragging committee and members of anti-ragging committee for discussing the various issues to avoid ragging and make the college as the ragging free campus.

LOCAL VISIT

A Local Visit to Chunkankadai Construction Site was Organized by the Department of Civil Engineering on 16-03-2021. In this visit students got knowledge about Reinforcement Knowledge about one way slab and Two way slab.



BLOOM'S TAXONOMY BASED TEACHING



The Department of Civil Engineering conducted a Faculty Development Program on the topic of "Bloom's Taxonomy Based Teaching" Part II. The session was handled by Dr. Jessy Mol on 6th March 2021. The Staffs from Civil Department were benefited and got Idea about the Bloom's concept, Concept Map and instructional plan.

ALUMINI INTERACTION

A Motivation Program Conducted by our Alumni Members on 12th March 2021 for Civil Engineering Final Year students. The Session was handled by R. Aspren President 2015 Batch and Jeffy Pavithra President 2017 Batch.



JOURNAL ARTICLES PUBLISHED

- S.T.Sheriba & D.Hevin Rajesh(2021). Improved hybrid cuckoo black widow optimization with interval type 2 fuzzy logic system for energy-efficient clustering protocol. International Journal of Telecommunication Systems. 10.1002/dac.4730.
- Energy-efficient clustering protocol for WSN based on improved black widow optimization and fuzzy logic, ST Sheriba, DH Rajesh, Telecommunication Systems, 1-18
- Enhancement of network lifetime by fuzzy based secure CH clustered routing protocol for mobile wireless sensor network, D Rajesh, T Jaya, Journal of Ambient Intelligence and Humanized Computing, 1-11.
- Content-based image retrieval using hybrid k-means moth flame optimization algorithm, Annrose Joseph, Edwin Selva Rex, Seldev Christopher, Jenifer Jose, Arabian Journal of Geosciences (2021) 14:687, <https://doi.org/10.1007/s12517-021-06990-y>
- T. Berjin Magizha, M. K. Angel Jebitha , " The Domination uniform subdivision number of $G^{\circ}K_1$ " , Advances in Mathematics Scientific journal 9 (2020), no. 6, 4139- 4144. ISSN : 1857- 8365.

NCC ACTIVITIES

- Training for 'B' certificate examinations was held for NCC subjects on 3.03.2021 and 4.03.2021 by the ANO and Cadets at Scott Christian College.
- 'B' certificate examinations was held for NCC subjects on 6.03.2021 and 7.03.2021 at Scott Christian College.
- Human chain was arranged to create awareness to the public on 100% voting 20.03.2021 by Maj.S.Edwin Gladson, NSS PO, Dr.S.M.R.Joseph Ramesh & YRC PO Mr. Leon Bosco Raj.
- Training for 'C' certificate examinations was held for NCC subjects on 22.03.2021 and 23.03.2021 by the ANO and Cadets at Scott Christian College.
- 'C' certificate examinations was held for NCC subjects on 27.03.2021 and 28.03.2021 at Scott Christian College.
- Our CUO K P Chella Vignesh and Sgt Swetha got an amount of Rs 5000 each, as the Tamil Nadu Govt. scholarship for Outstanding NCC cadets of the Unit in the year 2020-2021.

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