



ST. XAVIER'S CAMPUS CONNECT

Volume-I, Issue-4, AUG-2021

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MESSAGE FROM CORRESPONDENT

We are in a celebrative mood now. Having accreditation for all the six UG programs of our Engineering College was a kind of impossible dream for us few years ago. Yet, today we are celebrating the achievement of that dream. Needless to say, it was possible only because of our generous cooperation and hard work. Congratulation to all

students, parents, alumni, staff, coordinators and leaders! Times have not been easy for us. We have learned to face challenges squarely even with the limited resources we had, because we had a positive mind and determined spirit.

As the end of the Covid-19 pandemic beckons us with hopes for a normal life for us and our students, the clouds of its third wave also cautions our steps. Having faced the worst, we surely will take enough care to avoid it or face it victoriously.

This is the season of admissions. We are having mixed feelings. At one side, every day we see great rush for few programs of ours and meantime, we also see a lull concerning other few programs. We still need to put in lots of efforts enlighten our candidates that they should choose programs that will give job when they finish their course, after four years, not just now.

We are entering into new ventures too this year. We have just registered our 'SXCCE Business Incubation and Innovation Center' and at least few have come forward willingly to join us with their new start-ups. We are also going to be one of the centers of MSME for which inspection is going happen shortly.

I would like to congratulate all the faculty members and staff for their great achievements in the academic year 2020-2021.

I encourage you to start the new academic life with new spirit and commitment for excellence and I entreat you to keep the success of every student of ours close to your heart.

**Rev. Fr. Dr. M. Maria William
Correspondent**

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

Accredited with 'A' grade by NACC
All UG programs accredited by NBA
Recognized under section 2(f) & 12(B) of UGC Act, 1958
Approved by AICTE, Affiliated to Anna university
All UG, MBA & MCA programs permanently affiliated

The NBA Expert Team visited our college during April 9 – April 11, 2021 for evaluating the following UG programs for accreditation.

1. Civil Engineering
2. Computer Science and Engineering
3. Information Technology.

The members of NBA Expert Team Were:

- ❖ Dr. J.P. Saini, Vice Chancellor, Netaji Subhas University of Technology, New Delhi
- ❖ Dr. Sirajuddin Ahmed, Professor, Jamia University
- ❖ Dr. G. Varaprasad, Professor, BMC College of Engineering, Bangalore
- ❖ Dr, Ram Mohana Reddy, Professor, NIT Karnataka



Dr. J.P. Saini, Vice Chancellor, Netaji Subhas University of Technology, New Delhi was the chairperson of the team. The chairperson, through video conferencing, visited the central facilities and examined first year academics, student support services and Governance and financial resource documents. He interacted with first year faculty members, alumni, parents and employers, and visited a few first-year online classes.

Dr. G. Vara Prasad, Professor, BMS College of Engineering, Bengaluru evaluated the facilities in the Department of Computer Science and Engineering. He interacted with faculty members and verified the documents.

NBA Expert Dr. Sirajuddin Ahmed, Professor, Jamia University visited Civil Engineering programe and evaluated facilities, criteria files, faculty and staff. Also, he Interacted with faculty and verified the OBE practices in Civil Engineering department. He appreciated the course file OBE practices and Laboratory Facilities.

Dr. Ram Mohana Reddy, Professor, NIT Karnataka evaluated the facilities in the department of Information Technology. He interacted with faculty members and verified the documents.

The Exit Meeting was held on 11-04-2021.



NBA Expert team visited our institution on 9th, 10th and 11th April for Accreditation of Department of Civil Engineering, Computer Science and Engineering and Information Technology. Based on the Evaluation the authority of NBA has announced that the of Department of Civil Engineering, Computer Science and Engineering and Information Technology Accredited by NBA for the period of Academic year 2021-2022 to 2023-2024



Ms. Alvina Cynthia, Mr. Anish Ganamoni R, Mr. Ajith J, Mr. Biju Mathew B got **Third prize in IEEE project expo** conducted on 17th April 2021.



✚ Ms. S. R. Nivetha, Department of Electronics and Communication Engineering got **Third prize in National Level Virtual Project Expo** conducted on 23.05.2021 organized by TECHLAZA JIT IEEE Student Branch, Jeppiaar Institute of Technology, Chennai.

✚ She got **First Prize for paper presentation** in National Level Technical Symposium on 30.04.2021 & 01.05.2021 organized by AURORA'21, Amrita College of Engineering, Nagercoil.

✚ She received **Best Paper Award** for the paper titled “ An Efficient Analysis of Image Transmission in MC-CDMA System Using Different Equalization Methods” in AVENTURO'2K21 on 08.05.2021 organized by Kongu Engineering College, Perundurai.

✚ She got **First Prize for Tech Talk** in National Level Technical Symposium (WHEEDLE'21) on 17.06.2021 organized by Dept of Mechanical Engineering, Academy of Maritime Education and Training, Chennai.

✚ She also received **second prize in Project Expo** conducted on 06.06.2021 organized by Learn Era Academy (Way to Excellence)



Dr. M Marsaline Beno, Vice Principal & Dean of Academic Affairs received **“Education Excellence Award”** from Skill Indian Award 2021.

Internal Quality Assurance Cell of St. Xavier's Catholic College of Engineering, Nagercoil, Tamil Nadu 629003 organized a three-day national level online workshop on **“Course and Instruction Design for Effective Outcome Based Education”** on 10, 11 and 12th June 2021. This online workshop was sponsored by NAAC. The workshop was inaugurated on 10-06-2021 at 9:30 a.m. by Rev. Dr. M. Maria William, Correspondent and Dr. J. Maheswaran, Principal, SXCCE.

The resource persons presented their presentation in Google Meet. The presentation was live streamed in YouTube for the participants. The workshop was packed with eight sessions. On 10-06-2021, Dr. S.L. Rayar handled the first session on NAAC Revised Accreditation Framework, Dr. A. Milton handled the second session on Overview of Outcome Based Education and Dr. M. Marsaline Beno handled Classification of Learning Levels in the third session. On 11-06-2021, Dr. R.S. Shaji handled the fourth session on Writing and Correlating Outcomes, Dr. S.V. Kayalvizhi handled the fifth session on Designing Curriculum using ADDIE Model and Dr. A. Milton handled the sixth session on Designing Instruction using Merrill's Principles. On 12-06-2021, Dr. J. Annrose handled the seventh session on Measuring the Attainment of Outcomes and Dr. R. Edwin Raj handled the eighth session on Continuous Improvement.

The valedictory function was held on 12-06-2021 at 2:30 p.m. A Google Classroom with all the participants was created and the presentation materials and the recorded videos were posted in the Google Classroom for participant to refer. 185 faculty members participated in the online workshop, 56 faculty members are from other states.



RESOURCE PERSONS



JAL SHAKTI ABIYAN Catch the Rain

AICTE guided program on **“JAL SHAKTI ABIYAN Catch the Rain”** Organized by the department of Civil Engineering, Reach & Faceat&P Association with the theme “Catch the Rain where it falls When it falls” On 12 may 2021. The civil Department had invited all department students from SXCCE to participate the following competitions Pencil Drawing, Poem writing, Poster Presentation, Group Discussion through google meet. Students were enthusiastically taking part in the competition.

Guest lecture on **Query Processing, SQL and concurrency Management** organized by department of Management Studies. The session was handled by Mr. Bright Jose, Assistant Professor, Department of Computer Science Engineering, SXCCE

Guest lecture on **Data Warehousing DataMart and data mining** organized by department of Management studies. The session was handled by Dr. M. Jeyasudha, Assistant Professor, Department of Computer Applications, SXCCE



A five days online Student Induction Program(SIP) on “Importance of Mathematics in Engineering” was organized by Department of Humanities and Sciences and Department of Mathematics in association with Science and Humanities Association of Xavier’s from 26-04-2021 to 30-04-2021. The speakers were Dr.J.Baskar Babujee, Associate Professor of Mathematics Anna University, MIT Campus, Chennai, Dr.Raju K. George, Dean (R&D), Dean (Students Welfare), Professor of Mathematics, Indian Institute of Space Science and Technology, Trivandrum, Dr.J.John, Associate Professor of Mathematics, Government College of Engineering, Tirunelveli, Dr.V.Vijimon Moni, Assistant Professor of Mathematic and Dr.L.Mary Florida, Associate Professor of Mathematics of St. Xavier’s Catholic College of Engineering, Chunkankadai.



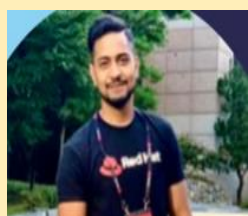
Predictive Analytics in Stock Market

A two-week training on “Predictive Analytics in Stock Market” has been organized by BRIGITZ – the association of the department of Information Technology from 31st May 2021 to 15th June 2021 with the resource person Mr. C. Aleesh Bibin, Managing Director, Lurecap Market Science Pvt. Ltd.



Five Days webinar on “**Recent Research Trends in Information Technology**” was organized by Department of Computer Applications from 21.06.2021 to 25.06.2021. The workshop was organized for I, II & III Year MCA students. The first day session was handled by Dr. M. Jeya Sutha, Assistant Professor, Department of Computer Applications on the topic “Data Mining for Medical Diagnosis”. The second day session was handled by Dr. R. Reena Rose, HOD, Department of Computer Applications on the topic “Biometric Image Processing”. The third day session was handled by Dr. R. Ramesh Dhanaseelan, Professor, Department of Computer Applications on the topic “Block Chain Technology”. The fourth day session was handled by Dr. M. M. Janeela Theresa, Associate Professor, Department of Computer Applications on the topic “Natural Language Processing”. Day five session was handled by Mrs. M. Jasmin Annie Genefer, Assistant Professor, Department of Computer Applications on the topic “Introduction to FOG Computing”.

A workshop on “**Cyber Security & Ethical Hacking**” was conducted on 20th June 2021 for Computer Science and Engineering students. The Session was handled by Mr. Santosh Chaluvadi, Founder & CEO, Supraja Technologies, Andhra Pradesh.



A Power Seminar on “**Open-Source Technology & Career Opportunities with Red Hat Academy**” was conducted on 14th May 2021 for Computer Science and Engineering students. The Session was handled by Mr. Gulshan Prasad, Technical Consultant, Red Hat.



A Power Seminar on “**IoT in Smart Cities**” was conducted on 14th June 2021 for Computer Science and Engineering students. The Session was handled by Dr. Beulah David D, Assistant Professor, Department of Computer Science and Engineering, Jeppiaar Engineering College, Chennai.

A One Day webinar on **“SATELLITE IMAGE PROCESSING CONCEPTS”** was organized by Department of Computer Applications on 27.04.2021. The workshop was organized for I, II & III Year MCA students. The Session was handled by Dr. S. Jenicka, Associate Professor, Sethu Institute of Technology, pulloor.



A One Day webinar on **“Disruptive Technology & Role of IT”** was organized by Department of Computer Applications on 14.05.2021. The workshop was organized for I, II & III Year MCA students. The Session was handled by Mr. Binuchandran, Director, MN PARK, Hyderabad.

Institution Innovation Council (IIC) of St.Xavier’s Catholic College of Engineering, organized Webinar on **“Intellectual Property Rights (IPRs) and IP Management for startup”** the resource person of the session was Dr.N.M.Jothi Swaroopan, Professor, RMK college of Engineering, Chennai on 25-06-2021.



A Seminar on **“Angular from Scratch “** was conducted on 15th May 2021 for Computer Science and Engineering students. The Session was handled by Mr. S.Jebin Shalom, Project Engineer, Wipro, Chennai.

A One Day webinar on **“Google Cloud Platform - ACE”** was organized by Department of Computer Applications on 22.05.2021. The workshop was organized for I, II & III Year MCA students. The Session was handled by Ms. Sujithra, Google Cloud Developer, Atos Syntel, Tirunelveli.



A One Day webinar on **“Biomedical Image Processing Using MATLAB”** was organized by Department of Computer Applications on 12.06.2021. The workshop was organized for I, II & III Year MCA students. The Session was handled by Ms. Arjuna, Research Scholar, Department of Computer Applications, SXCCE.

Institution Innovation Council (IIC) of St.Xavier’s Catholic College of Engineering, organized Session on **“Accelerators/Incubation opportunities for students and faculties- Early Stage Entrepreneurs”** the resource person of the session was Er.V.N.Shiju, Managing Director, Ethamozhy Coir Cluster Pvt.Ltd., District Resource Person at Department of Agriculture



Institution Innovation Council (IIC) of St.Xavier’s Catholic College of Engineering, organized Session on **“Validation of prototype for Innovation Product”** the resource person of the session was Er.M.Gunasekaran, Assistant Professor, Innovation Ambassador, Solaimalai College of Engineering, Madurai, on 28-06-2021.

Institution Innovation Council (IIC) of St. Xavier’s Catholic College of Engineering, organized Session on **“Building an Innovation/Product fit for market”** the resource person of the session was Dr. M Marsaline Beno, Vice Principal & Dean of Academic Affairs, St. Xavier’s Catholic College of Engineering, Nagercoil, Tamil Nadu on 29-06-2021.

PLACEMENT

- ❖ CSS Corp – Virtual on campus placement drive was organized for all final year B.E/B.Tech, M.E & MCA students on 22nd May 2021. Eligibility criteria was above 60 % in 10th, 12th & degree and students with standing arrears can also participate.
- ❖ FIS Univ Program – Virtual off campus placement drive was organized for final year B.E/B.Tech – CSE & IT students on 28th May 2021. Eligibility criteria were above 60% throughout the academics with no backlogs.
- ❖ Accenture – Virtual off campus placement drive was organized for all final year B.E/B.Tech & MCA students on 11th June 2021.
- ❖ TRANE Technologies – Virtual off campus placement drive was organized for final year B.E/B.Tech – CSE, ECE, IT, EEE students on 16th June 2021. Eligibility criteria was above 70% in 10th, 12th, UG and PG.
- ❖ ATOS Syntel – Virtual off campus placement drive was organized for all B.E/B.Tech & MCA students on 18th June 2021. Eligibility criteria was above 60% in 10th, 12th, UG and PG [all semesters].
- ❖ KPIT – Virtual off campus placement drive was organized for all final year B.E/B.Tech students on 19th June 2021.
- ❖ CTS – Virtual off campus placement drive was organized for all final year B.E/B.Tech, M.E & MCA students on 23rd June 2021.
- ❖ Scedor Soft - Virtual off campus placement drive was organized for all final year B.E/B.Tech students on 28th June 2021.
- ❖ Xpressbees – Virtual on & pool campus placement drive was organized for final year BBA & MBA students on 31st May 2021.
- ❖ Aspire Systems- Virtual on campus placement drive was organized for final year B.E/B.TECH- CSE, ECE, EEE, IT students on 21st June 2021. Eligibility criteria were 60 % in 10th, 12th & degree and no standing arrears.

TRAININGS

- ❖ A “Careeer Guidance Programme for Graduates” was organized by District Employment and Career Guidance Centre, Nagercoil in association with Training and Placement Cell, SXCCE for III and IV year B.E/B. Tech students on 21st May 2021 from 11am to 12.30pm.
- ❖ Online placement training in Quantitative Aptitude skills was organized for all Pre-final year B.E/B.Tech, MCA students on 01st to 10th June 2021 by FACE, Coimbatore.
- ❖ Online placement training in Soft and Aptitude skills was organized for all year II B.E/ B.Tech students on 31st May 2021 to 09th June 2021 by SMART Training Solutions, Bangalore.

- ✚ Ancilin J. and Milton A., 2021, 'Improved speech emotion recognition with Mel frequency magnitude coefficient', Applied Acoustics, Vol.179, pp.108046.
- ✚ Dyana Christilda V. and Milton A., 2021, 'Speed, power and area efficient 2D FIR digital filter using Vedic multiplier with predictor and reusable logic', Analog Integrated Circuits and Signal Processing, Vol. 108, No. 2, pp. 323-333.
- ✚ GB Ezhiljenekha, M Marsalinebeno, Comparative Analysis of Open Loop And Non-Isolated Control For Solar Panel, Materials Today: Proceedings 2021, <https://doi.org/10.1016/j.matpr.2021.05.635>.
- ✚ Saravanan.S, Marsaline Beno. M, Performance Inspection of Double Stator Single Rotor Permanent Magnet Machine Using Finite Element Analysis, Journal Of Electrical Engineering, Vol 21 No 1 , 34-39
- ✚ S Sivasamy, M Marsalinebeno, P Sundaramoorthy, Performance Investigation of Doubly Salient Outer Rotor Switched Reluctance Motor Using Finite Element Analysis, Circuit World, June 2021

AS A RESOURCE PERSON

- ✚ Dr. M Marsaline Beno, Vice Principal & Dean of Academic Affairs has acted as a Resource person in a session on "Classification of learning levels with Blooms Taxonomy" at the national level online workshop on "Course and Instruction Design for Effective Outcome Based Education" held on 10, 11 and 12th June 2021 and organized by Internal Quality Assurance Cell of St. Xavier's Catholic College of Engineering, Nagercoil, Tamil Nadu.
- ✚ Dr. M Marsaline Beno, Vice Principal & Dean of Academic Affairs was a resource person for the technical session "Environmental restoration" to IET- Thiruvallur Local Centre- Panel Discussion on 17/06/2021.
- ✚ Dr. M Marsaline Beno, Vice Principal & Dean of Academic Affairs was a resource person for the Career Guidance programme "After +2" to CPDM, Kottar Diocese- Career Guidance event on 19/06/2021.
- ✚ Dr. A. Milton Handled Faculty Development Program on "Effective Instruction Design for Improving Students' Learning" on 25-06-2021, organized by Internal Quality Assurance Cell, Hindusthan Institute of Technology, Coimbatore-32.
- ✚ Dr. M Marsaline Beno, Vice Principal & Dean of Academic Affairs was a resource person for the Career Guidance programme "STEM Courses" to St Mary's School Mulagumoodu - Career Guidance event on 26/06/2021.
- ✚ Dr. M Marsaline Beno, Vice Principal & Dean of Academic Affairs has acted as a Resource person in a session on "Overview of Power system Analysis & Indian Power Scenario" on 28/06/2021 at the national level online Faculty Development Programme organized by department of Electrical and Electronics Engineering, St. Xavier's Catholic College of Engineering, Nagercoil, Tamil Nadu.
- ✚ Dr. M Marsaline Beno, Vice Principal & Dean of Academic Affairs was a resource person for the technical session "Build an Innovation/Product fit for Market" organized by Institution Innovation Council (IIC), St. Xavier's Catholic College of Engineering, Nagercoil, on 29/06/2021.

EDITORS

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