



## Department of Information Technology

### St.Xavier's Catholic College of Engineering

Accredited with 'A' grade by NAAC

All UG programs EEE, ECE & Mech [2018-2019 to 2020-2021]

CE, CSE & IT [2021-2022 to 2023-2024] Accredited by NBA

2021-2022  
Issue - 2



From the desk of

**Editor-in-Chief**

**Dr. J. Annrose**

With great pleasure I thank the editorial board of this Newsletter 2021-2022 Issue 2- of the Department of Information Technology of St. Xavier's Catholic College of Engineering. The department nurtures the students to adapt in the fast changing pragmatic world yet maintaining the sensitivity in them. It provides the platform to expose the merits and academic achievements of both staff and students. This is the time that we have adapted ourselves completely to the online learning environment. We were very keen to update the latest technological growth and the local needs. This newsletter brings the brief accounts of both online and offline events held during July 2021 to November 2021 .

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## About the Department

The Department of Information Technology was started in the year of 2001 with the intake of 60 students. The Department works with the objective of creating excellent IT professionals to address the challenges faced by the industry and society.

The department has laboratories furnished with systems of latest configurations to improve the analytical and practical skills of the students. The department has experienced and committed faculty members to impart quality education, project guidance, personality development and mentoring. We ensure that students are up-to-date with the latest technologies through innovative teaching learning processes, MOOC courses, enrichment and value added programs. Our students are consistently excelling in their placement process with the reputed companies. It provides the platform for their overall development in sports, cultural, curricular, technical & regular academics.

## Salient Features

Strong legacy in 20 years of academic excellence.

Experienced and Dedicated faculty with 5 Ph.D. holders and 5 pursuing Ph.D's

Well-equipped air-conditioned laboratories with latest configuration.

All the classrooms are equipped with wall mounted LCD

## Exploring the Chronicles

**AWS Cloud Solutions Architect Associates**

10th of March 2022 to 23rd March 2022

**Database Design and Programming with SQL**

23rd of February 2017

# Staff Achievements

| Faculty Name  | Faculty Achievement   |
|---|---|
| Dr. ANNROSE J.  | Journal Reviewer - Soft Computing- 10/01/2023   |
| Dr. ANNROSE J.  | Clarivate Analytics Author Award - 23/12/2022   |
| Dr. ANNROSE J.  | Reviewer - Microsoft CMT- ICCCEM2022 - 12/03/2022   |
| Dr. ANNROSE J.  | Reviewer - Microsoft CMT- ICCCEM2022 - 11/03/2022   |
| Dr. ANNROSE J.  | Journal Publication:<br>1. THD Reduction for Permanent Magnet Synchronous Motor Using Simulated Annealing, Intelligent Automation & So Computing, 35,2,2325- 2336, 2023.  |
| Dr. ANNROSE J.  | Journal Publication:<br>2. Comparative Analysis of Deep Convolution Neural Network Models on Small Scale Datasets, Optik, 271- 170238, 2022.  |
| Dr. SUJA A. ALEX  | AWARDS:<br>Clarivate Analytics Author Award - 23/12/2022 Certificate of Appreciation -Centum result -IT8078 Web Design and Management- 23/12/2022   |
| Dr. SUJA A. ALEX  | REVIEWER:<br>Jun 2022 - Present - Future Generation Computer Systems, Elsevier<br>July 2022 - Present - Expert Systems with Applications, Elsevier<br>Sep 2022 - Present - Advanced Engineering Informatics, Elsevier<br>Dec 2022 - Present - Optik, Elsevier<br>Dec 2022 - Present - Biomedical Engineering Advances, Elsevier<br>Dec 2022 - Present - BMC Medical Informatics and Decision Making, Springer<br>Jan 2023 - Scientific Reports - Springer<br>Jul 2022 - Present - International Journal of Computational Biology and Drug Design, Inderscience Publishers<br>Jul 2022 - Present - PLOS ONE<br>Jul 2022 - Book Chapter - AI Methods and Applications in Computer Engineering, IGI Global |
| Jun 2022 - 17th EURECA 2022 - Taylor's University Lakeside Campus, Malaysia<br>Sep 2022 - Present - International Journal of Distributed Artificial Intelligence, IGI Global<br>Oct 2022 - Present - International Journal of Image and Graphics, World Scientific Publishing<br>Dec 2022 - Present - Computer Methods in Biomechanics and Biomedical Engineering, Taylor & Francis Group   | Dr. SUJA A. ALEX  |
| EDITORIAL BOARD MEMBER:<br>Book on Artificial Intelligence Methods and Applications in Computer Engineering, IGI Global on 07-11-2022.  | Dr. SUJA A. ALEX  |
| ACADEMIC EDITOR:<br>Jan 2023 - Academic Editor of PLOS ONE  | Dr. SUJA A. ALEX  |
| RESOURCE PERSON: Webinar on Blockchain Technology for Digital Transformation on 17-06-2022. Department of Blockchain and Cybersecurity, SIMATS School of Engineering, Chennai.  | Dr. SUJA A. ALEX  |
| Ph.D. Completion:<br>Completed Ph.D. on 02-09-2022, Anna University, Chennai  | Dr. SUJA A. ALEX  |
| SCI:<br>Published: 1<br>Suja A. Alex, Jhanjhi, N. Z., Humayun, M., Ibrahim, A. O., & Abulfaraj, A. W. (2022). Deep LSTM Model for Diabetes Prediction with Class Balancing by SMOTE. Electronics, MDPI, 11(17), 2737, Published on 31 August 2022.<br>Accepted: 1<br>Suja A. Alex, Jesu Vedha Nayahi J, Classification of Imbalanced Data using DCNN, International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, World Scientific, Accepted on July 2022.   | Dr. SUJA A. ALEX  |
| Scopus:<br>IEEE Conference - Accepted & Presented: 2<br>.Nadia Dahmani, Suja A. Alex, S. Gayathri Sadhana, S. Geethanjali Jayasree & amp; T.P. Akhil Jinu, Welcome Wagons: A Block Chain based Web Application for Car Booking, AICCSA 2022, IEEE, 2022. Accepted & presented on September 2022.<br>.Suja A. Alex, N. Z. Jhanjhi, Navid Ali Khan, Husna Sarirah Husin, G-DCNN: GAN based Deep 2D-CNN for COVID-19 Classification, IVIT2022, Accepted and presented on 1-2 November 2022.<br>Springer Conference - Accepted & Presented: 1<br>1. Suja A. Alex, Gabriel G. Oliveira, Y. Iano, Pregnant Women Diabetic Prediction using 1D-Convolutional Neural Network and the SMOTE Procedure, BTSym 2022 Symposium. Accepted & presented on October | Dr. SUJA A. ALEX  |
| 2022.<br>Book Chapter - Accepted - 1<br>1. Suja A. Alex, B. Gerald Briyolan, Convergence of Blockchain to Artificial Intelligence Application, Book chapter on Artificial Intelligence Methods and Applications in Computer Engineering, IGI Global. Accepted on August 2022.   | Dr. SUJA A. ALEX  |
| FDP Participation: 3<br>.Day FDP on IEEE CIS Summer School on Deep Learning and Computational Intelligence: Theory and Applications, organized by IIT Indore (Hybrid) from 12-12-2022 to 16-12-2022.<br>.Day FDP on CS8082 Machine Learning Techniques, organized by Anna University Regional Campus - Tirunelveli (Online) from 0-07-2022 to 09-07-2022<br>2 Day FDP on Teaching for GATE organized by GATE Training Cell, SXCCCE on 04-01-2023 and 06-01-2023   | Dr. SUJA A. ALEX  |
| FDP attended<br>27/06/2011-02/07/2022- Fundamentals of Data Science 04/07/2022 09/07/2022- Machine Learning techniques  | N. ANSGAR MARY  |
| Awards<br>Clarivate Analytics Author Award - 23/12/2022 Certificate of Appreciation - Centum result -GE8076 Professional Ethics in Engineering-23/12/2022   | N. ANSGAR MARY  |
| FDP Attended:<br>27/06/2022 - 02/07/2022 - Fundamentals of Data Science 04/07/2022 - 09/07/2022 - Machine Learning Techniques<br>21/11/2022 - 25/11/2022 - MATLAB - Artificial Intelligence and Optimization Techniques   | JOSEPHINE USHA. L   |
| Ph.D. Awarded:<br>Completed Ph.D. on 10-1-2023, Anna University, Chennai  | JOSEPHINE USHA. L   |
| FDP Attended: 22.11.2022 - 24.11.2022 - Blockchain Technology<br>2 Day FDP on Teaching for GATE organized by GATE Training Cell, SXCCCE on 04-01-2023 and 06-01-2023  | G GEO JENEFER   |
| Journal Publication - "Real-time Object Detection and Classification Using Sparse Persistence Image-based Color Directional Pattern for Indoor scenes", International Journal of Intelligent Systems and applications in engineering. (Scopus Indexed)  | G GEO JENEFER   |
| Journal publication - "Survey on Trust in cloud to Ensure Secure Cloud Computing" Journal of Xi'an University of Architecture & Technology, ISSN: 1006-7930. (Scopus Indexed)   | P AGNES ALEX RATHY  |
| FDP Attended:<br>22.07.2022 - 05-08-2022 - 5G & B5G Wireless<br>Technologies with MATLAB Practice<br>22.11.2022 - 24.11.2022 - Blockchain Technology  | P AGNES ALEX RATHY  |
| Online courses completed: Nptel<br>25.07.2022 - 14.10.2022 - Cloud Computing  | P AGNES ALEX RATHY  |
| Journal Publication - "IoT Based Rapid V- Tester Analysis", Journal of Xi'an Shiyou University, Natural Science Edition, ISSN: 1673-064X. (Scopus Indexed)  | ARUL REX A  |



# Achiever's Corner

# Editorial Board

Editor-in-Chief

Dr. J. Annrose

Staff Editor

Prof. L. Josephine Usha

Student Editor

Mr. J. Midhun

Department of Information Technology

2021 – 2022

Placed Students



Akhil Jinu T P  
Infosis  
Atos



Amartiya Jeffly V  
Global Software  
Solutions  
Sutherland  
Justdial



Babish M  
Justdial



Dias Reju S  
Justdial



Gayathri Sadhana S  
Tech Mahindra  
Atos



Geethanjali  
Jayasree S  
Atos



Gerlyn M  
Atos



Jeba Anto K  
Vision Groups  
Justdial



Jenish P  
Justdial



Jenita Janu J  
ResBee Tech



Jibin Raj S  
Atos  
Justdial



Lajin Y  
CETAS



Saujana S  
TCS  
CSS Corp



Sudhashini A  
Digital Consulting &  
Software Partners  
Pvt. Ltd.



Sukanya A M  
Atos Syntel



Sushmitha Gayathri  
A C  
Justdial



Vijaya Lakshmi N  
Atos



Winey R  
Micro Systems  
Justdial



## Vision

Creating top-notch Information Technology Engineers, innovative researchers and successful entrepreneurs towards developing a technically empowered humane society

## Mission

- M1.** Providing quality technical education and high caliber skill training that meets the needs of society and latest technical expectations of the industry.
- M2.** Fostering innovative and rigorous research culture among staff and students to find optimal solutions for complex problems.
- M3.** Imparting value-based education to imbibe ethical principles and act with social responsibility, team spirit, and leadership.
- M4.** Promoting and developing entrepreneurial skills of the students and handhold them towards commercial success.

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