

Faculty Profile



Dr. G. Johncy , M.E., Ph.D
Assistant Professor (SG)-CSE

HIGHLIGHTS:

- Number of Journal Publications:12
- H-Index:5
- Project Funding Received:
- Patents Published:
- Patents Granted:

PROFESSIONAL LINKS:

- Scopus ID: 57221436761
- Scopus Link: <https://www.scopus.com/pages/authors/57221436761>
- Google Scholar ID : https://scholar.google.com/citations?view_op=list_works&hl=en&authuser=1&hl=en&user=tmEgK-kAAAAJ&authuser=1
- Anna University Faculty ID: 9622047
- AICTE Faculty ID:1-466529931
- Anna University Supervisor ID:
- LinkedIn:

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 19 years
- Industrial Experience: Nil

AREA OF SPECIALIZATION:

- Network Security
- Information Security
- Machine Learning.
- Deep Learning

Ph.Ds AWARDED WITH DETAILS:

S:No	Name of Scholar	Title of Thesis	Year of Completion	Full Time/Part Time
1.	Dr. G.Johncy	A PREDICTIVE MODEL FOR SECURING SMART GRIDS AGAINST ENERGY THEFT THROUGH DETECTION OF DATA INTEGRITY ATTACKS USING DEEP LEARNING ALGORITHMS	2025	Part Time

Ph.Ds GUIDING:

- Full Time Scholars:

- **Part Time Scholars :**

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY:

- **NIL**

PATENTS PUBLISHED/GRANTED:

- **NIL**

COURSES CERTIFIED:

- Completed NPTEL Course on Data Analytics with Python from 20.01.2025 to 11.04.2025 .
- Completed NPTEL Course on Smart Grid Basic to advanced Technologies from 20.01.2025 to 11.04.2025.
- Completed Swayam Course on Python For Data Science from 01.01.2025 to 28.02.2025.
- Completed NPTEL Course on Soft skills from 27.07.2024 to 11.10.2024.
- Completed NPTEL Course on Cloud Computing from 22.01.2024 to 12.04.2024.
- Completed NPTEL Course on Designing Learner Centric in STEM Disciplines from 09.08.2023 to 30.09.2023.
- Completed NPTEL Course on Introduction to machine learning from 09.07.2023 to 09.09.2023.
- Completed ICT Course on Cyber Shiksha for educators from 03.08.2022 to 12.08.2022.
- Completed NPTEL Course on Student Psychology from 29.07.2022 to 31.10.2022.
- Completed NPTEL Course on Introduction to Industry 4.0 and Industrial Internet of Things from 01.07.2021 to 09.10.2021.
- Completed Swayam Course on Leadership and Governance in Higher Education from 01.12.2020 to 31.03.2021.
- Completed NPTEL Course on User Centric Computing For Human Computer Interaction from 27.01.2020 to 20.03.2020.
- Completed Swayam Course on Fundamentals of Outcome Based Curriculum in Engineering Education 28.01.2019 to 23.02.2019.
- Completed NPTEL Course on Internet of things from 30.07.2018 to 24.10.2018.

ACHIEVEMENTS AND AWARDS:

- Awarded **NPTEL Discipline Star** by NPTEL for excellence in online course delivery and learner engagement on June 2025.
- Received the **Excellent Publication Award** from St. Xavier's Catholic College of Engineering(SXCCE) for outstanding research contributions on December 2024.
- Honored with the **Best Publication Award** by SXCCE in recognition of high-quality scholarly publications on December 2024.
- Secured **Close to Centum Recognition** from SXCCE for exceptional academic performance and outcomes on December 2023.
- Served as **Session Chair** at a International Conference organized by St.Xavier's Catholic College of Engineering March 2023.
- Recognized as a **Mentor** for the **IEEE YESIST12 International Project Competition**, Egypt on September 2023.
- Received **Mentoring Recognition** under the **Nan Mudhalvan Scheme**, Government of Tamil Nadu , June 2023.
- Certified as **VIDWAN Faculty** by **MHRD (Ministry of Education), Government of India** on February 2022.
- Received the **Digital Teacher Award** from Atos Syntel
- Served as **Session Chair** at a National Level Technical Event organized by Marian College of Engineering on July 2021.

Achievements

- Produced 94.6% result among 66 students in Theory of computation.
- Produced 100% results among 70 students in Software Quality Management.
- Produced 96% results among 68 students in Fundamentals Of Computing.
- Produced 95% results among 75 students in Digital Principles and System Design.
- Produced two times University first Results for Theory of Computation.

- Produced 94% results among 65 students in Theory Of Computation.
- Produced 96% results among 63 Students in Theory of Computation.
- Produced 92% results among 45 students in Object Oriented Analysis and Design.
- Produced 100% results among 59 students in Fundamentals of Computer Programming.

SPECIAL SESSIONS DELIVERED:

- Recognized as a **Trainer** by Rexkhmar Creative Solutions for student development programs on July 2021.

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

International Journals

1. Johncy, G. (2026). Deep Tasmanian Aquila quantized Shor Simon fractal network for intelligent energy theft detection in smart grids. *Computers and Electrical Engineering*, 134, 110974.
2. Johncy, G., Shaji, R. S., Angelin Monisha Sharean, T. M., & Hubert, U. Enhancing Smart Grid Security Using BLS Privacy Blockchain with Siamese Bi-LSTM for Electricity Theft Detection. *Transactions on Emerging Telecommunications Technologies*, Vol. 36, Issue 1, e70033, 2025. (Wiley, SCI-Indexed)
3. Johncy, G., & Shaji, R. S. Secure Smart Grid Implementation with Automatic Data Integrity Attack Location Prediction and Exalted Energy Theft Detection. *Connection Science*, Vol. 36, Issue 1, pp. 1–32, 2024. (Taylor & Francis, SCI Indexed)
4. Gracious, LA Anto, PJ Beslin Pajila, G. Johncy, T. P. Anish, and K. Prasanth. "Towards Precision Oncology: A Study of Machine Learning Models for Breast Cancer Prediction." In 2024 10th International Conference on Advanced Computing and Communication Systems (ICACCS), IEEE, vol. 1, pp. 1938-1943 2024.
5. Gracious, L. A. A., Jasmine, R. M., Pooja, E., Anish, T. P., Johncy, G. Machine Learning and Deep Learning Transforming Healthcare: An Extensive Exploration of Applications, Algorithms, and Prospects, IEEE, pp. 1–6, 2023. (Scopus Indexed)
6. Suresh, A. R. H., Jenifa, G., Srihar, S., Johncy, G. ASI (Agriculture Smart Irrigation) Multiparameter Optimization System for Precision Agriculture. *International Journal of Intelligent Systems and Applications*, 2023. (Scopus Indexed)
7. Monisha, J., Johncy, G. Deep Learning Models on Heart Disease Estimation – A Review. *Journal of Artificial Intelligence and Capsule Networks*, Vol. 4, Issue 2, pp. 122–130, 2022. (Scopus Indexed)
8. Manohar, B., Shaik, S., Johncy, G. An Intellectual Procurement Innovation of Smart Grid Power System with Wireless Communication Networks Based on Machine Learning. *International Journal of Nonlinear Analysis and Applications*, Vol. 12, Issue 2, pp. 1567–1576, 2021. (Scopus Indexed)
9. Felise, G. J. A. A., Johncy, G. An Efficient Power Theft Detection Using Mean-Shift Clustering and Deep Learning in Smart Grid. *IOP Conference Series: Materials Science and Engineering*, Vol. 983, Issue 1, 012003, 2020. (Scopus Indexed)

International Conferences

1. G. Johncy A. Shubin “ “Hybrid Spatial-Frequency Boundary-Aware framework For Forensic Image Tampering Detection” International Conference on Engineering Innovations for Sustainable Development ICEISD 2026 organized by the Department of Mechanical Engineering, College of Engineering Perumon, held on March 24-25, 2026.
2. Johncy, G., Shaji, R. S., Angelin Monisha Sharean, T. M. A Novel Deep Learning Model for Privacy-Based Blockchain with Electricity Theft Detection in SmartGrid. *International Conference, Research scholar*, 2023.
3. Johncy, G., Rizvana, S. M. S., Sheffrin, S. Sentiment Analysis Using Deep Learning in Twitter Dataset. *Proceedings of ICASME-2023*, pp. 266–275.
4. Johncy, G., Allen Mathew, Darwin, Tony Certificate Generation and Validation Using Blockchain. *Proceedings of ICASME-2023*, pp. 349–356.
5. Johncy, G. Vinisha S Stock Market Trend Prediction Using Deep Learning Techniques. 2nd International Conference on Emerging Trends in Materials, Computing and Communication

6. Johncy G, Mahalakshmi B "Image restoration of underwater images using Energy Minimization Algorithm", International Conference on Emerging Trends in Applications of Computing (ICETAC 2K17), ISSN: 2394-2231, Pages. 1-5, 2017. <http://www.ijctjournal.org>.

Conferences Attended

International Conferences

- Presented a paper titled "Brain Tumor Detection and Classification Using Deep Learning" at the 5th International Conference on Advances in Sustainability, International, 2025.
- Presented a paper titled "Heart Attack Detection by Heart Beat Sensing Using IoT" at ICASME'25, International, 2025.
- Presented a paper titled "Crop Assistance through Machine Learning: A Comprehensive Survey" at the 13th International Conference on Contemporary Engineering, International, 2025. ISBN: 978-81-985365-9.
- Presented a paper titled "Enhancing Credit Card Fraud Detection with Hybrid Deep Learning" at the 13th International Conference on Contemporary Engineering, International, 2025. ISBN: 978-81-985365-9.

National Conferences:

- Presented a paper titled "A Fast Palm print verification System using Wavelet transform", National level conference On Advances in Communication, Instrumentation and Informatics-NCACII –Organized by the department of CSE,ECE,EEE,IT,IET and IEEE of St.Xavier's Catholic College of Engineering."
- Presented a paper titled "Palm print verification with 2-D Gabor filter using competitive coding scheme", National level conference On Internet and Multimedia Communication -IMC–Organized by the department of Computer Science and Engineering of Noorul Islam College of Engineering.
- Presented a paper titled, "Privacy preserving and Data Integrity in cloud Computing." National level conference On recent Trends in Computer Technology (NCRTCT-14) by the department of Computer Science and Engineering of St. Xaviers Catholic College Of Engineering on 26th March 2014
- Presented a paper titled "Detecting Driver fatigue based on Eyelid movement". National level conference On Network, Communication and Embedded System (NCNCE-2014)–Organized by the department of Electronics and Communication Engineering of Vins College of Engineering on 28th March 2014.

Books Published:

- Published an "Book titled "Theory of Computation" as First Author, published by St. Xavier's Catholic College of Engineering, July 2021, ISBN: 978-93-5493-709-5, 250 pages.
- Published an "Book titled "Artificial Intelligence" as First Author, published by St. Xavier's Catholic College of Engineering, July 2020, ISBN: 978-93-5407-762-3, 300 pages.
- Published an "Book titled "Operating System" as Second Author, published by St. Xavier's Catholic College of Engineering, August 2020, ISBN: 978-93-5408-160-6, 250 pages.

Training Experience:

- Had undergone internship in "Ethical Hacking and Cyber security" Organized by SUPRAJA TECHNOLOGIES during 4th August to 4th September 2021(1 month)
- Had undergone in-plant training in BHARAT SANCHAR NIGAM LIMITED (BSNL)
- Had undergone in-plant training in KERALA ELECTRONICS CORPORATION (KELTRON)

- Had undergone Industrial Visits in ISRO, KODANKULAM POWER PLANT, UST Global
- FDP organized**
- Organized Faculty Development Program on Big Data Analytics and Visualization from 14.05.2025 to 20.05.2025.
 - Organized Faculty Development Program on AI in Education from 24.06.2024 to 29.06.2024.

Workshop Organized:

- Organized Workshop on Computer Hardware and Networking from 26.08.2024 to 27.08.2024.
- Organized Workshop on Amazon Web Services from 07.06.2023 to 07.07.2023.
- Organized Workshop on IoT Networking on 07.12.2021.
- Organized Workshop on Web Design Series–I on 11.09.2020.

Seminar Organized:

- Organized Seminar on Virtual Webinar Series by Industrial Experts from 10.04.2025 to 16.05.2025
- Organized Seminar on Redhat and DevOps to Shape Your Career on 27.10.2022.
- Organized Seminar on How to Think Project Idea Like Startup on 13.10.2022.
- Organized Seminar on World of Technology on 28.05.2022.
- Organized Seminar on 30 Days Machine Learning Master Class from 25.05.2022 to 24.06.2022.
- Organized Seminar on Java Programming Master Class Series from 11.04.2022 to 10.05.2022.
- Organized Seminar on Skill Development and Career Opportunities on 11.04.2022.
- Organized Seminar on A Road Map to Machine Learning Algorithms on 07.09.2021.
- Organized Seminar on Cyber Security and Ethical Hacking on 20.06.2021.
- Organized Seminar on Introduction to Generative Adversarial Network on 19.06.2021.
- Organized Seminar on IoT in Smart Cities on 14.06.2021.
- Organized Seminar on My Career Path on 11.06.2021.
- Organized Seminar on Open-Source Technology & Career Opportunities with Red Hat Academy on 14.05.2021.
- Organized Seminar on Demystifying Block Chain on 18.03.2021.
- Organized Seminar on Journey of a Software Engineer & Basic UI Design with Angular on 07.11.2020.
- Organized Seminar on Project Management in Information Technology on 31.10.2020.
- Organized Seminar on Why Millennials Should Enhance Their Digital Skills and Capabilities on 17.10.2020.
- Organized Seminar on Machine Learning without Code using Amazon SageMaker AutoPilot on 13.10.2020.
- Organized Seminar on SAP ERP Software on 10.10.2020.
- Organized Seminar on Digital Marketing on 03.10.2020.
- Organized Seminar on DevOps on 01.10.2020.
- Organized Seminar on Business and Operational Support in Telecom Industry on 26.09.2020.
- Organized Seminar on Web Design Series–II on 23.09.2020.
- Organized Seminar on Startup Entrepreneurship for Beginners on 19.09.2020.
- Organized Seminar on Intelligent Process Automation & AI and ML on 16.09.2020.
- Organized Seminar on Media Analysis on 12.09.2020.
- Organized Seminar on TensorFlow for Deep Learning Application on 04.09.2020.
- Organized Seminar on IoT & its Industrial Applications on 02.09.2020.

- Organized Seminar on Database Trends in the Industry on 07.08.2020.
- Organized Seminar on Revamping Business After Covid on 31.07.2020.
- Organized Seminar on Learn to Solve Java on 29.07.2020.
- Organized Seminar on How to File Patent? on 24.07.2020.
- Organized Seminar on Power of Python on 22.07.2020.
- Organized Seminar on Data Science and Machine Learning on 17.07.2020.
- Organized Seminar on Fundamentals of Digital Marketing on 15.07.2020.
- Organized Seminar on Alibaba Cloud on 10.07.2020.
- Organized Seminar on How to Create a Chatbot? on 08.07.2020.

PROFESSIONAL MEMBERSHIPS:

- IEEE and IEEE WIE Member(2022 to till 2025)
- ISTE Life Member
- IAENG membership