

Dr. J. ANNROSE

Associate Professor & IQAC Coordinator

Information Technology,

Mobile : +919487172539

Email : roserex@sxcce.edu.in,roseedjo@gmail.com**JOURNAL**

SCI : 07

Scopus : 10

UGC Care : 02

PATENT

Published- 01

Sanctioned-01

CONFERENCE

WoS : 03

Scopus : 05

Others : 20

BOOKS

Scopus: 01

Others : 01

PHD

GUIDANCE

Registered- 06

Completed- 00

FUNDED

PROJECTS

Co-Investigator-

01(NIUA)

RESOURCE

PERSON

Technical:26

CONSULTANCY

03

REVIEWER

International: 14

NPTEL AWARDS

Discipline Star- 01,

Gold: 02, Silver: 04,

Elite: 04

FDP

COORDINATED

Sponsored: 02

Others: 12

Faculty Identification

- AICTE Faculty Id : 1-466529947
- Anna University Chennai Faculty Id : 96220028
- Anna University Supervisor No. : 4140011
- Orchid Id : 0000-0001-9031-393X
- Scopus Author Id: 57192070556, h-index- 6 , Citation- 109
- Web of Science Researcher ID : AAV-2777_2020, h-index-4 , Citation- 36
- Google Scholar Author Id : AMVpz98AAAAJ, h-index- 6 , Citation- 145
- Vidwan-ID : 178986

Areas of Interest

- Artificial Intelligence, Deep Learning
- Computer Vision, Image Retrieval

Academic Qualification: B.Tech(IT),M.E(CSE),Ph.D

- **Doctorate in Philosophy** in Information and Communication Engineering- Computer Science and Engineering from Anna University with thesis title “Conventional optimization Techniques for feature reduction and search space reduction in Content based image retrieval”, in March 2018.
- **Master of Engineering in Computer Science and Engineer** from Noorul Islam College of Engineering, Nagercoil, Anna University, in July 2007. **(85%, First Class with Dist)**
- **Bachelor of Technology in Information Technology** from Jayamatha Engineering college, Aralvoimozhi, Anna University, in April 2005. **(80%, First Class with Dist)**

Professional Experience:17 years 7 months

- **IQAC Coordinator & Associate Professor** in the Information Technology Department of St. Xavier’s Catholic College of Engineering, Chunkankadai affiliated to Anna University, from 1st August 2023 to Till Now.
- **IQAC Coordinator & Assistant Professor** in the Information Technology Department of St. Xavier’s Catholic College of Engineering, Chunkankadai affiliated to Anna University, from 25th April 2022 to 31st July 2023.
- **Head & Assistant Professor** in the Information Technology Department of St. Xavier’s Catholic College of Engineering, Chunkankadai affiliated to Anna University, from 25th June 2018 to 20th May 2022.
- **Assistant Professor** in the Computer Science and Engineering Department of St. Xavier’s Catholic College of Engineering, Chunkankadai affiliated to Anna University, from 1st June 2010 to 24th June 2018.
- **Lecturer** in the Computer Science and Engineering Department of St. Xavier’s Catholic College of Engineering, Chunkankadai affiliated to Anna University, from 4th July 2007 to 30th May 2010.

Articles Published in Journals: 12

1. Mahizha S I, **J. Annrose**, Mano Christaine Angelo, Deep Convolutional Neural Networks for Early Detection of Interproximal Caries Using Bitewing Radiographs: A Systematic Review, Evidence-Based Dentistry, (Accepted for publication) (**Scopus**)
2. **J. Annrose**, A. Shibin Sam, S. Samnath, Jennings Rousseau Raj, AI-Powered Mark Recognition in Assessment and Attainment Calculation, ICTACT Journal on Soft Computing 15 (4), 3704 – 3708, 2025 (**UGC Carelist**)
3. CR Berlin Selva Rex, CR Edwin Selva Rex, S Shiny, **J Annrose**, Power performance and emissions analysis of outboard diesel engines by use of waste cooking oil biodiesel, Materials Today: Proceedings, Available Online 2023 (**Scopus**)
4. J. Senthil Rama, R., Edwin Selva Rex, C.R., Herald Anantha Rufus, N., **Annrose**, THD Reduction for Permanent Magnet Synchronous Motor Using Simulated Annealing, Intelligent Automation and Soft Computing, 35(2), 2325–2336, 2023. <https://doi.org/10.32604/iasc.2023.028930> (**SCI, Scopus**)

5. C.R. Edwin Selva Rex , **J. Annrose***, J. Jenifer Jose, Comparative analysis of deep convolution neural network models on small scale datasets, Optik, 271, 170238, 2022. <https://doi.org/10.1016/j.ijleo.2022.170238> (**SCI, Scopus**)
6. **J. Annrose**, N. Herald Anantha Rufus, C. R. Edwin Selva Rex, D. Godwin Immanuel, A Cloud-Based Platform for Soybean Plant Disease Classification Using Archimedes Optimization Based Hybrid Deep Learning Model, Wireless Personal Communications, 122, 2995–3017 (2022). <https://doi.org/10.1007/s11277-021-09038-2> (**SCI, Scopus**)
7. **Annrose Joseph** , Edwin Selva Rex, Seldev Christopher, Jenifer Jose, Content-based image retrieval using hybrid k-means moth flame optimization algorithm, Arabian Journal of Geosciences, (2021) 14:687, <https://doi.org/10.1007/s12517-021-06990-y> (**SCI, Scopus**)
8. C. R. Edwin Selva Rex, M. Marsaline Beno and **J. Annrose**, Optimal Power Flow-Based Combined Economic and Emission Dispatch Problems Using Hybrid PSGWO Algorithm, Journal of Circuits, Systems and Computers, Vol. 28, No. 09, 1950154 (2019), <https://doi.org/10.1142/S0218126619501548> (**SCI, Scopus**)
9. C. R. Edwin Selva Rex, M. Marsaline Beno & **J. Annrose**, A Solution for Combined Economic and Emission Dispatch Problem using Hybrid Optimization Techniques, Journal of Electrical Engineering & Technology, Published Online: (2019), <https://doi.org/10.1007/s42835-019-00192-z> (**SCI, Scopus**)
10. **J. Annrose**, Dr. C. Seldev Christopher, An efficient image retrieval system with structured query based feature selection and filtering initial level relevant images using range query, Optik, Vol: 157, March 2018, Pages 1053-1064, <https://doi.org/10.1016/j.ijleo.2017.11.179> (**SCI, Scopus**)
11. **J. Annrose**, C Seldev Christopher, Content based Image Retrieval using Query based Feature Reduction with K-means Cluster Index, Asian Journal of Research in Social Sciences and Humanities, Vol: 6-12, Pages: 852-872 (2016), 10.5958/2249-7315.2016.01334.4 (**UGC Carelist**)
12. **Annrose, J** & Seldev Christopher, C 2014, Performance Analysis of Minimum Distance Classifier and Clustering Algorithm in CBIR, Applied Mechanics and Materials, vol. 626, pp. 14-19. [Annexure II] *Online available since 2014/Aug/28 at www.scientific.net* (**Scopus**)

Patent: 02

1. Earlier Detection and Alert of Heart Disease System (Application No.202341014549 A) – **Published** (24/03/2023)
2. AI & ML BASED WALL CLIMBING ROBOT, Design No.: 400776-001, **Granted** (19/1/2024)

Papers presented in Conferences: 23

1. J. Annrose, **YOLO Based Animal Repellent Device Using Raspberry Pi**, 6th International Conference on Innovative Trends in Information Technology, 2025 (Accepted for Publication) (**WoS, Scopus**)
2. J. Annrose, **Visually Coordinated and Controlled Swarm Robots in Master-Slave Configuration**, International Conference on Computing, Circuits, Energy and Materials ICCCEM-2022. (Accepted for Publication) (**Scopus**)
3. J. Annrose, **Early Detection of Interproximal Caries using YOLOv8 Convolutional Neural Network on Bitewing Radiographs**, 5th International Conference on Data Intelligence and Cognitive Informatics (ICDICI), IEEE Xplore, 797-803, 2024 (**WoS, Scopus**)

4. J. Annrose, **Solution of Combined Economic and Emission Dispatch Problem using Hybrid Water Cycle Whale Optimization Algorithm**, International Conference on Smart Generation Computing, Communication and Networking (SMART GENCON), IEEE Xplore: 28 February 2024, [10.1109/SMARTGENCON60755.2023](#) (WoS, Scopus)
5. J. Annrose, **Survey on One-Stage and Two-Stage Detection Models for Fault Insulator Detection in High Voltage Transmission Lines**, AICTE sponsored National Conference on Emerging Engg, 978-93-91347-0, 42-44, 2021.
6. J. Annrose, **Analyzing Covid using AI techniques like Deep Learning**, International Conference on Computing Technologies, 2021.
7. J. Annrose, **Application of hybrid water cycle and whale optimization algorithms in combined economic and emission dispatch problem**, International Conference on Advances in Energy- efficient computing, control, 2020.
8. J. Annrose, **Content Based Video Retrieval Using Block Based Adaptive Threshold Keyframe Extraction**, International Conference on Networks, Images and Signals, 9788193694930, PP.62-69, 2019.
9. J. Annrose, **A Privacy-Preserving Content Based Image Retrieval Method Based on Wavelet Decomposition in Cloud Environment**, International Conference on Recent Innovations in Computer and Communication, 2018.
10. J. Annrose, **Textile based Image Retrieval Using Machine Learning Techniques**, ICAMTCS, 978-93-9300-104, 93-94, 2018.
11. J. Annrose, **“Review on various methodologies in Touchless Fingerprint Recognition”**, International conference on Advanced Innovations in Engineering and Technology at Rohini College of Engineering and Technology, 2017.
12. J. Annrose, **“Visual Content Searching using SIFT”**, International conference on Advanced Innovations in Engineering and Technology at Rohini College of Engineering and Technology, 2017.
13. J. Annrose, **“Content based image retrieval with SQL based Feature Selection and choosing intial level relevant images using range query”**, International conference on Energy Efficient Technologies for Sustainability at St.Xavier’s Catholic College of Engineering, 2016 .
14. J. Annrose, **“Wireless Power Transmission using Satellite Based Solar Power System”** , Emerging Trends in Computing, Communication and Control Engineering held on 4th September 2015 at Magna College of Engineering.
15. J. Annrose , **“Geographical Image Mining using Feature Extraction and Similarity Analysis Methods”** in a national conference on Emerging trends in Information and Communication Engineering at Cape Institute of Technology, Levengipuram on 23rd March 2015.
16. J. Annrose , **“Remote Bluetooth Desktop”** in a national conference on recent trends in Information and Computer Technology at St.Xavier’s College of Engineering, Chunkankadai held on 19th March 2015.
17. J. Annrose, **“An Efficient Privacy Preserving Access Control Technique for Data Sharing”** in a national conference on recent trends in Information and Computer Technology at St.Xavier’s College of Engineering, Chunkankadai held on 19th March 2015.
18. J. Annrose , **“Analysis of various distance measures in Image Mining”** in a national conference on recent trends in Information and Computer Technology at St.Xavier’s College of Engineering, Chunkankadai held on 19th March 2015.
19. J. Annrose , **“Home Information Management System through SMS using Android”** in an International Conference on Trends in Engineering and Technology at Tamizhan College of Engineering held on 19th and 20th of February 2015.

20. J. Annrose , “**Review of various distance measures in CBIR**” , International Conference on Energy Efficient Technologies for Sustainability at St.Xavier’s College of Engineering, Chunkankadai, April 2014.
21. S.P.Catherine Subi, J. Annrose, “**Multiscale Feature Extraction Using Local Tetra Patterns For Texture Based Image Retrieval**”, Fourth International Conference on Advances in Computer and Communication IIST-2013 at Sun College of Engineering and Technology, pp. 1341-1345.
22. E.Kiruba ,J. Annrose, “**Bi-Similarity Mapping Based Image Retrieval Using Shape Features**”, Fourth International Conference on Advances in Computer and Communication IIST-2013 at Sun College of Engineering and Technology, pp. 1337-1340
23. J. Annrose, “**Image Retrieval System based on IGA using Color, Texture and Edge Descriptors**” at Vins Christian College during 16th and 17th March 2012.
24. J. Annrose , “**An Efficient System against network scans and attack using protocol Scrubber**” at Hindustan College of Engineering during 17th and 18th November 2006.

Book Publication: 02

1. A Novel WCWOA Hybrid Algorithm for Improved Optimal Power Flow Solutions, C.R.Edwin Selva Rex , **J. Annrose**, Neelima Kalahasthi , M. Kavitha , (**Springer Book Chapter, Accepted for publication**)
2. **J. Annrose**, A. Anisha, A. Cibi, **Object Oriented Programming**, ISBN: 978-93-5361-310-5 , Self Published, 2019.

Phd Guidance: Anna University Chennai: 06

Full-time Scholars -01

Part-time Scholars -05

Confirmation -01, Course Work completed -03, Registered-02

Funded Project: 01

1. INTELLIGENT WATER MONITORING TOOL USING MACHINE LEARNING, NATIONAL INSTITUTE OF URBAN AFFAIRS, 2022-11-25 2023-09-23, Co-Principal Investigator, (Rs. 50000/-)

Reviewer:14

1. **Soft Computing-** A hybrid retrieval Generative based chatbot for Mental Health (December 2024)
2. **Soft Computing-** LDANet: Enhancing USV's Capacity for Better Segmentation of Complex Waterway Scenes (November 2024)
3. **Qeios**, Review of Nested Neural Networks: A novel approach to flexible and deep learning architectures, (September 2024)
4. **Qeios**, Review of Enhancing food type recognition, A comprehensive study of sequential CNN for Image Classification, (April 2024)
5. **Qeios**, Harnessing Self-Supervision in Unlabelled Data for Effective World Representation Learning in AI Models, (September 2023)
6. **IEEE Transaction on Evolutionary Computing-** Privacy-preserving Evolutionary Neural Architecture Search for Federated Medical Image Segmentation (August 2023)

7. **Journal of Advanced Research in Applied Sciences and Engineering Technology**- A Robust Restructured LeNet (RR LeNet) for Plant Leaf Disease Recognition (August 2023)
8. **Soft Computing**- A Novel Reinforcement Learning based Routing Protocol for Enhancing Wireless Sensor Networks Performance
9. **Soft Computing**- Implementation of Circular Blockchain-Based Approach for Food Crops Supply Chain with Bitcoin Prediction using Deep Learning
10. **Journal of Super Computing**- Lotus Effect Optimization Algorithm (LEA): A lotus nature-inspired algorithm for engineering design optimization
11. **Soft Computing**- An adaptive moth flame optimization algorithm with historical flame archive strategy and its application
12. **IEEE Transactions on Evolutionary Computation**- TLMFO: A Novel Moth-Flame Optimization Algorithm for Improving One-Pixel Attack
13. **International Journal of Electrical Engineering Education** - Embedded Maker Movement on Work-Integrated Learning for Creativity Development
14. **Journal of Food Science and Technology**- Estimation of protein from the images of health drink powders

Professional Activities as Resource person: 26

1. Resource Person for a refresher program on **Assessment Tools & Attainment Calculation** to the faculty members of EEE, ECE, MECH & HSC on 03-03-2025 at St. Xavier's Catholic College of Engineering.
2. Resource Person for the **Anna University Sponsored FDP on Mobile Apps** on 12/02/2025 at DMI College of Engineering
3. Resource Person for the pre-final year students on **"Technical Report Writing & Citation Management"** on 7th February 2025 at St. Xavier's Catholic College of Engineering.
4. Resource Person for the new faculty orientation on **"Academic Roles and Responsibilities"** on 7th October 2024 at St. Xavier's Catholic College of Engineering.
5. Resource Person for the FDP on **"Global Perspective on OBE: Lessons learned and future directions"** on 19th September 2024 at Holy Cross College (Autonomous), Nagercoil.
6. Resource Person for the hands-on workshop on **"Image Classification using CNN and pretrained Models"** on 29th August 2024 at Noorul Islam University, Kumaracoil.
7. Resource Person for the online FDP on **"Collaborative AI Tools"** on 25th June 2024 at St. Xavier's Catholic College of Engineering.
8. Resource Person for the workshop on **"Accreditation Process Course File Preparation"** on 25th July 2024 at University College of Engineering, Nagercoil.
9. Resource Person for the workshop on **"OBE, Assessment Tools and Measuring Attainment of Outcomes"** on 25th April 2024 at St. Xavier's Catholic College of Engineering.
10. Resource Person for the hands on workshop on **"Generative AI in Teaching & Learning"** on 23rd November 2023 at St. Xavier's Catholic College of Engineering.
11. Resource Person for a Seminar presentation on **"Generative AI and its Use cases"** on 27th October 2023 at PET Engineering College.
12. Resource Person for Final year Project Orientation on **"Technical Writing"** organized by MECH department, St. Xavier's Catholic College of Engineering on 21st September 2023.

13. Guest Lecture for First year Orientation on “**Quality Engineer & Self Learning**” on 7th & 12th September 2023 held at St. Xavier’s Catholic College of Engineering.
14. Resource Person for “**NPTEL Awareness workshop**” on 25th July 2023 and 2nd August 2023 held at St. Xavier’s Catholic College of Engineering.
15. Faculty Orientation on “**NAAC revised benchmark, key indicators and SoP**” on 18-03-2023
16. Resource Person for one session on “**Measuring the attainment of Outcome**” for NAAC sponsored workshop organized by IQAC, St. Xavier’s Catholic College of Engineering from 10th to 12th June 2021.
17. Guest Lecture for a webinar on “**Image Classification**” at St. Xavier’s Catholic College of Engineering on 10th July 2021.
18. Guest Lecture for a webinar on “**CBIR and Implementation**” at St. Xavier’s Catholic College of Engineering on 09th July 2021.
19. Guest Lecture for a webinar on “**Making Students Own their Learning**” organized by IQAC, St. Xavier’s Catholic College of Engineering on 26th February 2021.
20. Resource person for three days workshop on “**Algorithm Development in Image Processing**” at St. Xavier’s Catholic College of Engineering on 14th June 2018.
21. Resource person for one day workshop on “**How to do Projects Effectively**” at St. Xavier’s Catholic College of Engineering on 31st August 2018.
22. Resource person for a five days FDP on “**Theory of Computation**” at Marian College of Engineering, Trivandrum on July 2017.
23. Resource person for a five days FDP on Anna University approved FDP on “**Computer Networks**” on
24. Trainer on “**Dot Net Course**” during the academic year 2011-2012.
25. Trainer on “**Java and J2EE Course**” during the academic year 2011-2012.
26. Trainer on “**Data Science and Big Data Analytics Course**” during the academic year 2017-2018.

Collaborations with International / National Conferences

- **Session Chair** for the IEEE International conference on Recent Advances in Energy-Efficient Computing and Communication held at Annai Velankanni College of Engineering from 07/12/2021 to 08/12/2021.
- **Co-Convener** for the Virtual International Conference on Computing Technologies held at St. Xavier’s Catholic College of Engineering from 28/04/2021 to 29/04/2021.
- **Convener** for the International Conference on Computational Intelligence & Theoretical Sciences held at St. Xavier’s Catholic College of Engineering from 06/02/2020 to 08/02/2020.
- **Session Chair** for the IEEE International conference on Recent Advances in Energy-Efficient Computing and Communication held at St. Xavier’s Catholic College of Engineering from 07/03/2019 to 08/03/2019.
- **Venue Director** for the international Conference ICAMTCS 2018 held at St. Xavier’s Catholic College of Engineering from 01/03/2018 to 03/03/2018

Consultancy: 03

- Common Accounting Software to Kulithurai Diocese (Completed)
- Basic Expansive Software (Completed)
- Website Design- Puthuvasantham (Ongoing)

Online Courses Completed: 25**NPTEL Courses – NPTEL Discipline Star (Jan-Apr 2024)**

- Deep Learning- Computer Vision
- Developing Soft Skills & Personality - **Elite**
- Introduction to Soft Computing - **Silver**
- Designing Learner-Centric E-Learning in Stem Disciplines - **Elite**
- Programming, Data Structures and Algorithms using Python- **Elite**
- Deep Learning - **Elite**
- Introduction to Machine Learning (Tamil) – **Silver**
- Machine Learning -**Silver**
- Accreditation and Outcome based Learning - **Silver**
- Introduction to Internet of Things - **Gold**
- Introduction to R - **Gold**

Swayam Courses

- Fundamentals of Outcome Based Curriculum in Engineering
- Student Psychology

Coursera Courses

- Overview of Data Visualization
- Essentials of Entrepreneurship
- Foundations of Everyday Leadership
- Python Data Structures
- Python Programming Essentials
- Coursera Administrator Training
- Neural Networks and Deep learning
- Convolutional Neural Networks

Tata Steel

- Machine Learning
- MS Office

Udemy Courses

- Google Data Studio A-Z for Data Visualization and Dashboards
- Deep Learning with Keras and Tensorflow in Python and R

Faculty Development Program/ Workshop/Seminar Organized: 14**Sponsored FDPs**

- **Coordinator** for one-week AICTE sponsored ATAL FDP on Cloud DevOps at St. Xavier's Catholic College of Engineering from 19/8/2024 to 24/8/2024. (**AICTE 3.5 L**)
- **Coordinator** for one-week Anna University Sponsored FDP on Big Data Analytics conducted at St. Xavier's Catholic College of Engineering from 18/11/2019 to 23/11/2019. (**Anna Univ 0.3 L**)

Other FDPs

1. **Coordinator and Resource Person** for half-day hands-on training on Generative AI in Teaching & Learning on 23/11/2023 at St. Xavier's Catholic College of Engineering.
2. **Coordinator** for one-day workshop on NAAC Benchmarks, SOP for Autonomous Institution on 18/03/2023 at St. Xavier's Catholic College of Engineering
3. **NITTTR- Chandigarh Remote Centre Coordinator** for a one-week FDP on Free and Open-Source Software for Effective Curriculum Design from 20/02/2023 to 24/02/2023
4. **NITTTR- Chandigarh Remote Centre Coordinator** for a one-week FDP on Matlab-Artificial Intelligence & Optimisation Techniques from 21/11/2022 to 25/11/2022
5. **Coordinator** for one-week online workshop on Predictive Analytics on Stock Market from 30/05/2021 to 09/06/2021 at St. Xavier's Catholic College of Engineering
6. **Coordinator** for two days online FDP on Practical Probabilistic Modeling using Deep Learning at St. Xavier's Catholic College of Engineering on 09/03/2021 & 11/03/2021
7. **Convenor** for a seminar on Open-Source Software **was conducted** at St. Xavier's Catholic College of Engineering on 14/10/2020.
8. **Coordinator** for one-week online workshop on Web Programming jointly organized with CSE dept of St. Xavier's Catholic College of Engineering from 03/8/2020 to 08/8/2020.
9. **Coordinator** for one-week online workshop on Data science using R jointly organized with CSE dept of St. Xavier's Catholic College of Engineering from 20/7/2020 to 25/7/2020.
10. **Coordinator** for one-week online FDP on Image Processing using MATLAB jointly organized with CSE dept of St. Xavier's Catholic College of Engineering from 6/7/2020 to 11/7/2020.
11. **Coordinator** for one-week online FDP on Cyber Security in association with Hactify Cyber Security, Mumbai from 22/6/2020 to 27/6/2020.
12. **Coordinator** for one-week online FDP on Cloud Computing jointly organized with CSE dept of St. Xavier's Catholic College of Engineering from 13/6/2020 to 17/6/2020.

Professional Membership

- Member (1100372787) – Association for Institution of Engineering and Technology (IET).
- Life Member (LM 68130) – Indian society for Technical Education (ISTE).

Faculty Development Program/ Workshop/Seminar Attended:106

Attached in Annexure 01

Details of Appreciation Received

Near to Centum results has been received for the following courses

- Theory of Computation
- Principles of Compiler Design
- Computer Programming
- Data Warehousing and Data Mining
- Principles of Compiler Design
- Software Project Management

- Programming Paradigm
- DevOps

Theory Subject Handled

Overall theory average pass percentage (89.68 %)

- Fundamentals of Computing & Programming
- Design and Analysis of Algorithms
- Advanced Computer Architecture
- Database Management Systems
- Advanced Databases
- Data Mining and Data Warehousing
- Information Retrieval Techniques
- Mobile Computing
- Theory of Computation
- Principles of Compiler Design
- Software Project Management
- Programming Paradigm
- Computer Programming
- Multimedia Compression Technique
- Total Quality and Management
- Artificial Intelligence
- Cloud Computing
- Database Technology
- Computational Intelligence
- DevOps
- Project Report Writing

Details of Practical Subjects Handled

Overall practical average pass percentage (100%)

- Computer Practices Laboratory
- Python Programming Laboratory
- Database Management Laboratory
- Mobile Application Development Laboratory
- Compiler Laboratory
- Computer Programming Laboratory
- Java Laboratory
- Project Work
- DevOps Lab
-

Academic Responsibility

- IQAC Coordinator
- HoD

- NPTEL Local Chapter SPOC
- Coursera Organization Admin
- Mentor
- ACE Faculty Advisor (2012-2013)
- Class Coordinator
- Course Trainer
- Project Coordinator
- Venue Director
- Session Chair

Annexure 1- FPDs/ Workshops/ Seminars Participated :

Sl.No.	Title	Mode	Venue	Start Date	End Date
1.	International Conference of Data Intelligence and Cognitive Informatics	Online	Scad College of Engineering and Technology	2024-11-18	2024-11-20
2.	Developing Soft Skills	Remote Centre - SXCCE (NITTTR Chandigarh)	NITTTR Chandigarh	2024-02-12	2024-02-16
3.	Introduction to Soft Computing	Online	Swayam- Nptel	2024-01-18	2024-03-29
4.	Six-day AICTE ATAL fdp on Research Application in AI & ML	SXCCE	ECE Dept, ATAL	2024-12-02	2024-12-07
5.	Curriculum Design & Evaluation	Online	NITTTR- Chandigarh	2023-02-06	2023-02-10
6.	Free and Open Source Software for Effective Curriculum	SXCCE- Remote Centre	NITTTR- Chandigarh	2023-02-20	2023-02-24
7.	Blended Learning & Flipped Classroom	Online	NITTTR- Chandigarh	2023-10-16	2023-10-20
8.	R & D Funding Opportunities and Challenges	EEE Seminar Hall, SXCCE	Centre for R & D	2023-10-17	2023-10-17
9.	4th National Level Workshop on NIRF India Rankings 2023	Online	Institute for Academic Excellence (IAE), Hyderabad	2022-12-21	2022-12-22
10.	Matlab- Artificial Intelligence & Optimisation Techniques	SXCCE- Remote Centre	NITTTR- Chandigarh	2022-11-21	2022-11-25
11.	National Intellectual Property Awareness Mission	Online	Intellectual Property Office, India	2022-01-21	2022-01-21

12.	MS Azure AI Engineer Associate	SXCCE	ICT Academy	2022-04-25	2022-04-29
13.	Computational Intelligence	UCEN, Online	Anna University Sponsored FDP, UCEN	2022-02-11	2022-02-17
14.	Anna Univ FDP- Fundamentals of Data Science	Online	Meenakshi Sundararajan Engineering College	2022-06-27	2022-07-02
15.	Machine Learning using AWS cloud platform	online	Psitron Technologies	2021-11-20	2021-11-21
16.	Machine Learning, ML	NPTEL, Online	NPTEL	2021-02-01	2021-04-30
17.	Best Teaching Learning and Assessment Practices in Computer Science/Information Technology based on	Online	ATAL-Sri Jayachamarajendra College of Engineering.	2021-07-05	2021-07-09
18.	Value of IEEE Publications in Research and Career Development	Online, SXCCE	IEEE, SXCCE	2021-04-23	2021-04-23
19.	Blockchain and Smart Contract Technology	Online	NIT Tiruchy	2021-06-25	2021-06-29
20.	NPTEL E- awareness workshop	Online	NPTEL	2021-01-12	2021-01-12
21.	International Conference on Computing Technologies (ICCT-2021)	SXCCE, Online	IT, CSE dept SXCCE	2021-04-28	2021-04-29
22.	Indo-European Hackathon (IEE-Hacks2020),IITK , Dare-to-start (Germany)	Online	IITK , Dare-to-start (Germany)	2020-11-27	2020-11-29
23.	Let's Break the chain of COVID-19 Infection	Online		2020-03-29	2020-03-29
24.	Basics of Machine Learning	Online	IISER-Bhopal	2020-04-06	2020-04-06
25.	Deep Learning with MATLAB	Online	CIT & MathWorks	2020-05-26	2020-05-26

26.	Virtual Teaching	Online	CIT	2020-04-20	2020-04-21
27.	Machine Learning and AI	Online	Andhra Loyola Institute of Tech	2020-05-04	2020-05-06
28.	IoT with Artificial Intelligence	Online	360DigiTMG, Sri Reddy College of Engineering	2020-05-27	2020-05-29
29.	Devops	Online	Sri Kamala & Sri Venkappa M. Avadi College of Engg	2020-06-11	2020-06-13
30.	Application Aspect of Python Programming Language	Online	IIC-Anna University	2020-06-18	2020-06-19
31.	Angular JS to develop web apps faster	Online	Brainovision Solutions India Pvt.ltd & CCET	2020-06-26	2020-06-26
32.	R Programming Language	Online	IITB, Sri Kamala & Sri Venkappa M. Avadi College	2020-06-28	2020-06-30
33.	ATAL FDP on Artificial Intelligence	Online	VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY	2020-08-24	2020-08-28
34.	How to Conduct Online Class to Students	Online	ATAL, Pondicherry	2020-04-08	2020-04-08
35.	Networking in Cloud	Online	AWS	2020-04-07	2020-04-07
36.	Introduction to serverless cloud	Online	AWS	2020-04-09	2020-04-09
37.	Block chain basics	Online	Sri Eshwar College of Engineering	2020-05-18	2020-05-18
38.	AI and ML	Online	Sri Eshwar College of Engineering	2020-05-14	2020-05-14
39.	Data Science and Application	Online	SXCCE, ICT	2020-06-05	2020-06-05
40.	Database trends in the industry	Online	CSE, SXCCE	2020-08-07	2020-08-07

41.	How to Write a Good Research Project Proposal	Online	Punjabi University, Patiala, IITK	2020-05-31	2020-05-31
42.	ICT Convergence meet	Online	ICTacademy	2020-07-15	2020-07-15
43.	MATLAB and Simulink	Online	Mathworks and ICT academy	2020-07-30	2020-07-31
44.	IoT and Sustainable Development	Online	IET, SXCCE	2020-07-15	2020-07-15
45.	Applications of image processing	Online	St.Joseph's College	2020-07-14	2020-07-18
46.	Interdisciplinary research in Civil Engineering	Online	Civil, SXCCE	2020-08-19	2020-08-22
47.	NAAC Awareness Programme for Faculty	Online	Marathwada Mitramandal's INSTITUTE OF TECHNOLOGY	2020-05-09	2020-05-09
48.	eSim, a First Course in the IoT Series for Teachers	SXCCE	Teaching Learning Centre ICT at IIT Bombay	2019-09-21	2019-09-21
49.	Data Structures	SXCCE	IT department	2019-07-13	2019-07-13
50.	Accreditation and Outcome based Learning	Online	NPTEL- AICTE	2019-08-01	2019-10-31
51.	Python for Data Science	Online	NPTEL- AICTE	2019-08-01	2019-09-30
52.	3DS MAX for ENGINEERS	SXCCE	CADD Central Nagercoil	2019-02-23	2019-02-23
53.	Introduction to IoT	MOOC- Online	NPTEL	2019-01-16	2019-04-27
54.	Python- machine Learning	Concept Solutions, Trivandrum	Concept Solutions, Trivandrum	2019-07-19	2019-07-19
55.	NPTEL workshop	IC & SR, IIT Madras	NPTEL IIT Madras	2019-07-26	2019-07-26
56.	Orientation on OBE, Methods and Strategies	SXCCE	IQAC	2019-06-20	2019-06-22

57.	Intellectual Property Management	SXCCE	IET, SXCCE	2018-10-27	2018-10-27
58.	Introduction to R Software	Online Certification from NPTEL IIT Kanpur	NPTEL- Swayam , IIT Kanpur	2018-08-01	2018-09-30
59.	Recent innovations in computer and Communication	Rohini College of Engineering and Technology	Department of CSE	2018-04-10	2018-04-11
60.	Webinar on Deep Learning	Online	TCS ion	2018-06-28	2018-06-28
61.	Algorithm Development in Image Processing	Dept of CSE, SXCCE	Dept of CSE, SXCCE	2018-06-12	2018-06-14
62.	ICRAEC- 2018	SXCCE	Dept of ECE	2018-03-01	2018-03-02
63.	VLSI programming	St.Xaviers Catholic College of Engineering	St.Xaviers Catholic College of Engineering	2017-09-20	2017-09-21
64.	Foundation Program in ICT for Education	St.Xavier's Catholic College of Engineering	IIT Bombay(PMMMNM TT),MHRD	2017-08-03	2017-09-07
65.	Webinar on Cloud Computing	Online	TCSion	2017-10-25	2017-10-25
66.	Webinar on Data Science	Online	TCSion	2017-12-13	2017-12-13
67.	FDP201x, Pedagogy for Online and Blended TLP	SXCCE	IITB. PMMMNM TT	2017-09-14	2017-10-12
68.	Data Science and Big Data Analytics	SXCCE	ICT Academy	2017-11-27	2017-12-01
69.	4G/5G MIMO wireless Communication	St.Xaviers Catholic College of Engineering	Department of ECE	2017-07-07	2017-07-07
70.	Image Processing through Matlab	St.Xaviers Catholic College of Engineering	CSI , SXCCE student Branch	2017-06-19	2017-06-19

71.	Theory of Computation	Marian College of Engineering, Trivandrum	Department of CSE	2017-07-03	2017-07-04
72.	How to prepare a research project proposal	St.Xaviers Catholic College of Engineering	IET	2016-08-18	2016-08-18
73.	IBM Bluemix	PET Engineering College	ICT Academy of Tamil Nadu	2016-06-30	2016-07-01
74.	Web Designing and Scripting	St.Xaviers Catholic College of Engineering	ICT Academy of Tamil Nadu	2016-11-14	2016-11-18
75.	Data warehousing and Data Mining using Weka	St.Xaviers Catholic College of Engineering	Department of IT	2016-07-28	2016-07-29
76.	IBM Bluemix	Mar Ephraem College of Engg and Tech	ICT Academy of Tamil Nadu	2016-05-12	2016-05-13
77.	Technical Communication	St.Xaviers Catholic College of Engineering	NMEICT(MHRD)	2015-10-08	2015-12-15
78.	Ubuntu Desktop Course	St.Xaviers Catholic College of Engineering	Cube N Square	2015-05-06	2015-05-06
79.	National Digital Literacy Mission	St.Xaviers Catholic College of Engineering	Software Cell, SXCCE	2015-12-07	2015-12-07
80.	Big Data Analytics using R Programming	St.Xaviers Catholic College of Engineering	Research Centre, SXCCE	2015-07-16	2015-07-17
81.	Computer Networks	St.Xaviers Catholic College of Engineering	Anna University, Chennai	2015-06-15	2015-06-23
82.	Mobile App Development	St.Xaviers Catholic College of Engineering	ICT Academy of Tamil Nadu	2015-07-06	2015-07-10

83.	Mobile Application Development	St.Xaviers Catholic College of Engineering	Software Cell,SXCCE	2015-11-12	2015-11-13
84.	Paper Publishing	St.Xaviers Catholic College of Engineering	IET	2015-07-25	2015-07-25
85.	Latex	St.Xaviers Catholic College of Engineering	Department of HSC	2015-02-05	2015-02-05
86.	PHP and MySQL	St.Xaviers Catholic College of Engineering	ICT Academy of Tamil Nadu	2014-11-10	2014-11-14
87.	Operating System Design	St.Xaviers Catholic College of Engineering	Linux Expert System	2014-02-21	2014-02-22
88.	Cyber Security	St.Xaviers Catholic College of Engineering	NMEICT(MHRD)	2014-07-10	2014-07-20
89.	Ubuntu Intermediate Course	St.Xaviers Catholic College of Engineering	Cube N Square	2014-05-15	2014-05-15
90.	Software Engineering	St.Xaviers Catholic College of Engineering	Anna University, Chennai	2014-12-12	2014-12-19
91.	Knowledge Discovery through Weka	St.Xaviers Catholic College of Engineering	Department of IT	2014-11-07	2014-11-08
92.	Cloud Infrastructure and Services	St.Xaviers Catholic College of Engineering	ICT Academy of Tamil Nadu	2014-01-20	2014-01-24
93.	Computer Programming	St.Xaviers Catholic College of Engineering	NMEICT(MHRD)	2014-05-20	2014-06-21
94.	Neural and Fuzzy methods in Engg	CSI institute of tech	IEEE madras section	2013-09-27	2013-09-27

95.	Application of Artificial Intelligence Techniques	St.Xaviers Catholic College of Engineering	Department of EEE	2013-09-12	2013-09-12
96.	Applied Mathematics on Theoretical Computer Scienc	St.Xaviers Catholic College of Engineering	St.Xaviers Catholic College of Engineering	2013-01-24	2013-01-25
97.	Database Management Systems	St.Xaviers Catholic College of Engineering	NMEICT(MHRD)	2013-05-21	2013-05-31
98.	Matlab training on Intelligent System Design	University College of Engg, Konam	Department of ECE	2013-04-11	2013-04-12
99.	Efficient writing for research paper usingLatex	Sardar Raja College of Engg	Department of CSE	2013-12-18	2013-12-18
100.	FOSS- Free and Open Source Software	St.Xaviers Catholic College of Engineering	M/s Leenux Technologies, Chennai	2012-05-25	2012-05-26
101.	Image Processing and Web image mining	St.Xaviers Catholic College of Engineering	Department of IT	2012-11-14	2012-11-15
102.	Soft Computing tools for signal and image processi	St.Xaviers Catholic College of Engineering	Research Centre, SXCCE	2012-05-21	2012-05-23
103.	Aakash for Education	St.Xaviers Catholic College of Engineering	NMEICT(MHRD)	2012-11-10	2012-11-10
104.	Recent Trends in Image Processing	Udhaya School of Engineering	Department of CSE	2011-07-28	2011-07-29
105.	VLSI and Image Processing	The Indian Engineering College	Department of ECE	2010-01-07	2010-01-08
106.	Certificate in Java Programming	PET Engineering College	ICT Academy of Tamil Nadu	2010-12-04	2010-12-11