



GRACE COLLEGE OF ENGINEERING  
MULLAKKADU, THOOTHUKUDI - 628005

**FACULTYPROFILE**

**Staff Name** : Dr. I. FELCIAJERLIN  
**Designation & Dept** : ASP/CSE  
**Gender** : Female  
**DOB** : 12-10-1980  
**DOJ** : 03-10-2023  
**Father'sName** : Mr.K.Inbaraj  
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**EducationalQualification**

Degree	Year of Passing	Name of the College & University	% of Marks	Class Obtained
B.E. (CSE)	2002	Easwari Engineering College for Women, Madras University	75.62	First Class
M.E. (VLSI Design)	2006	Government College of Technology , Anna University	78.3	First Class with Distinction
Ph.D. (CSE)	2020	Anna University, Chennai		

## Experience

Name of the College	Designation	Duration		
		From	To	
Dr. G. U. Pope College of Engineering	AP/CSE	03.07.2006	24.06.2019	12Years 11Months 21 Days
Holycross Engineering College	ASP/ CSE	03.07.2019	28.08.2023	4Years 0 Months 25 Days
Grace College of Engineering	ASP/ CSE	03.10.2023	Till Date	
<b>TOTAL</b>			<b>18 Years</b>	

### Additional Qualification if any:

- i. GATE Score (In case of B.E./B.Tech.): Nil
- ii. NET / SLET: Nil
- iii. Title of Ph.D. Thesis: Secure and Efficient Data Outsourcing Protocol in Un-trusted Cloud Environments
- iv. Faculty in which Ph.D. was awarded: Information and Communication Engineering

### **Membership in Professional Bodies if any**

Membership Number	Type of Membership	Societies Name
LM49396	Life Member	ISTE
AM097422-9	Associate Member	IE

### **OTHER CONTRIBUTIONS**

- Acted as a judge for paper presentation in the National Level Colloquium “PITCOL ‘13” at Pope’s College, Sawyerpuram, on 20<sup>th</sup> February 2013.
- Acted as a National Advisory Committee member in AICTE sponsored International Conference (Online) on Future Electric Vehicular Mobility and its Challenges (ICFEVMC-2021) at Joginpally B.R. Engineering College, Hyderabad (27-28 Oct, 2021)
- Contributed as a Reviewer of papers for IBSSC-2021, organized by IEEE Bombay Section and ABV-IIITM Gwalior, India (18-20 November, 2021).
- Contributed as a Primary Evaluator in “Toycathon, 2021”.
- Contributed as a Reviewer of papers for 2nd IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI-2024), organized by IEEE MP Section and ABV-IIITM Gwalior, India (14-16 March 2024)

- Contributed as a Technical Reviewer for the sixth IEEE sponsored International Conference on Electrical, Computer and Communication Technologies (IEEE ICECCT 2024) held at Chhattisgarh Swami Vivekanand Technical University (CSVTU), Bhilai, Chhattisgarh, India during 26 - 28 June 2024
- Contributed as a Reviewer in the VLSI and Embedded Systems track in the First International Conference on Electronics, Communication and Signal Processing (ICECSP-2024) organized by the Department of ECE, National Institute of Technology Delhi from August 8-10, 2024
- Contributed as a Technical Reviewer for the 2025 Fifth International Conference on Advance in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2025) held at Shankaracharya Technical Campus (SSTC), Bhilai, Chhattisgarh, India during 09 -10 January 2025

#### CONFERENCE/ SYMPOSIUM

Date	Paper Name	Venue	Conference Title	Participated/ Presented
Feb10-11 2006	Weighted Clustering Algorithm in Mobile Ad Hoc Networks	Coimbatore Institute of Technology Coimbatore	Intelligent Integrated Control and Automation (IICA 2006)	Presented
Apr27-29 2010	Secured Position Based Routing in Mobile Ad Hoc Network	Dr.SACOE, Tiruchendur	Neural Information Processing System	Presented
Feb18-19 2011	Removal of Impulse Noise by using Adaptive Median Filter	Einstein College of Engineering, Tirunelveli	CryptAnalysis Techniques in Computer Hacking <b>ISBN 978-81-920466-0-0</b>	Presented
Feb25 2011	New Gradient Model Based on Bilateral Filtering for Image Restoration	Ponjesly College of Engineering, Nagercoil	Emerging trends & Application in Computer Science	Presented
Mar4-5 2011	Live Transmission using Wireless PAN Technology	Dr.SACOE, Tiruchendur	Integrated Intelligent Computing	Presented
Mar8-9 2011	A Comparative Study of Image Restoration Techniques	Dr.SACOE, Tiruchendur	Soft Computing	Presented

Mar23 2011	Capturing Electromagnetic Space using Wi-Fi Camera	Joe Suresh Engineering College, Tirunelveli	Emerging trends In Computing Technologies (NCECT-2011)	Presented
Apr1-2 2011	Amazon EC2 Analysis in Computing Contexts	NICHE, Kumaracoil	Recent Advances In Mechanical Engineering 2K11	Presented
Mar- Apr 31.03.2011 To 01.04.2011	Today's Attitude Towards Seeding Proficiency with Technological Aid	V.O.C College Of Education	Empowering Prospective Teachers in Channeling Children's Media-Mania <b>ISBN978-81-920761-1-9</b>	Presented
Jan5-7 2012	An Efficient Occlusion Detection Using Spatio- Temporal Approach	PSG College of Technology Coimbatore	International Conference on Innovations in Computers, Information & Communications ICICIC 2012	Presented
Mar1-3 2012	Cloud Computing Based Memory Management System	Vivekanandha Institute of Engineering and Technology for Women	International Conference on Computational Intelligence and its Applications ICCIA 2012	Presented
Mar02 2012	Ensuring Data Storage Security in Cloud Computing	SCAD College of Engineering and Technology	NCRAIT'12	Presented
Mar09 2012	Ensuring Data Storage in Cloud Computing	Einstein College of Engineering	CryptAnalysis Techniques in Computer Hacking <b>ISBN 987-81-920466-1-7 9788192046617</b>	Presented
Mar21 2012	Effective Distributed Storage in Cloud Computing	PSN College of Engineering and Technology	National Conference on Information Science &Engineering NCISE2012 <b>ISBN978-1-4675-2244-1</b>	Presented
Apr8 2013	Integrating usage control with subscription-based service providing in Cloud Computing	PSN College of Engineering and Technology	National Conference on Information Science &Engineering NCISE2013	Presented
Mar22 2014	Performance Comparison of LP over NLP Computations in Cloud	Holy Cross Engineering College	First International Conference on Innovations and Explorations in Computing Electrical, Electronics, Mechanical And Civil Technologies ICICMET'14	Presented
Mar28 2014	Novel Approach to Data Integrity for Analysis of the Cloud Computing Security	PSN College of Engineering and Technology	National Conference on Information Science &Engineering NCISE2014	Presented

Mar28 2014	Online Agent Network Admin System	PSN College of Engineering and Technology	National Conference on Information Science &Engineering NCISE2014	Presented
Mar15 2017	Data Manifold with Sink Points Sheepdog Algorithm for Medical DataSets in Web Author Identification	Francis Xavier Engineering College, Tirunelveli	International Conference on Emerging Trends in Applications of Computing ICETAC'17	Presented
Mar15 2017	Improving Robustness of Automatic Speech Recognition System	Francis Xavier Engineering College, Tirunelveli	International Conference on Emerging Trends in Applications of Computing ICETAC'17	Presented
Mar9 2018	Police Office Automation for Web	Jayaraj Annapackiam CSI College of Engineering, Nazareth	International Conference on Intelligent Computing and Communication Technology	Presented
Mar1 2019	Reliable and Secure Transmission in WBAN	Jayaraj Annapackiam CSI College of Engineering, Nazareth	International Conference on Intelligent Computing and Communication Technology	Presented
Apr 30 2024	OneInternz: Internship Portal	Grace College of Engineering. Mullakadu	National Level Conference on Convergence Summit'24: Exploring Electronics and Communication, Artificial Intelligence and Data Science Frontiers (CS'24:ECADS)	Presented
July 29-30, 2024	A Novel Technique for Detecting Concealed Malicious URLs within the Tor Network	JCT College of Engineering and Technology, Coimbatore	8 <sup>th</sup> International conference on Inventive Systems and Control (ICISC 2024)	Presented

## **NPTEL ONLINE CERTIFICATION**

- NPTEL Eight Week Course on “Introduction to Operating Systems” during July-September 2023.
- NPTEL Eight Week Course on “Ethics in Engineering Practice” during Feb-Apr 2024 (Elite)
- NPTEL Eight Week Course on “ Big Data Computing”, during Aug-Oct 2024 (Elite)

## **PATENT FILED/PUBLISHED/GRANTED**

- Patent published titled “IoT and wireless Sensor Network based Intelligent Home Bell System for Effective House Protections (Patent Number: 202141055255)” on 29-11-2021
- Patent Design published titled “Microwave Sensor Based Soil Analyzer (Design No. 405615-001)” on 25.01.24
- Patent Design Granted titled “ Machine Learning Based Stress Detection Device (Design No. 6394185)” on 04.10.24

## **BOOKS AUTHORED/CO-AUTHORED AND CONTRIBUTIONS IN BOOK CHAPTER**

- Co-authored a book chapter “Learners Learning using Design Thinking Approach (DTLA) with Machine Learning” in Design Thinking a Forefront Insight, CRC Press, ISBN 978-1-032-03905-3.

## **JOURNALS**

- Published a Paper titled “Reduction of Noise using Low Power Design of Adaptive Median Filter” in CiiT International Journal of Digital Image Processing, Nov 2011
- Published a Paper titled “Reduce the Energy Consumption Using Power Aware Scheduling in Green Computing” in International Journal on Engineering Technology and Sciences (IJETS), Volume 1, Issue IV, Aug 2014, Pg. 412-418
- Published a Paper titled “ Delta Encoding for Deduplication of Hybrid Clouds” in International Journal on Engineering Technology and Sciences (IJETS), Volume 1, Issue V, Sep 2014, Pg. 80-86
- Published a Paper titled “ An Active Storage Framework Based on Storage Security in Cloud Computing” in International Journal on Engineering Technology and Sciences (IJETS), Volume 1, Issue VI, Oct 2014, Pg. 472-476

- Published a Paper titled “ Ranking of Cloud Computing Services with the PRASPM Model Using Shortest Path Algorithms” in International Journal of Applied Engineering Research, Volume 10, No 5 (2015), PP. 12751-12760, Research India Publications
- Published a Paper titled “ Secure and Efficient Data Outsourcing Protocol in Un-Trusted Cloud Environment”, in Journal of Computational and Theoretical Nanoscience, Volume 14, Number 12, Dec 2017, pp.5717-5726
- Published a Paper titled “DDoS Attack Classification and Prediction Method using Machine Learning”, in International Journal of Innovative Research in Technology (IJIRT), Volume 10, Issue 3, Aug 2023, pp.33-42.

### **SEMINARS, WORKSHOPS & FDP ATTENDED**

<b>Topic</b>	<b>Venue</b>	<b>Duration</b>
Knowledge Engineering	National Engineering College, Kovilpatti	Jan 05-06, 2007
Pervasive Computing	National Engineering College, Kovilpatti	Apr 20-21, 2007
Workshop on “VLSI”	Raaja Sabai Conference Hall, Hotel Vijayetha, Nagercoil	July 07, 2007
Recent Methods and Tools for Design of Fault Diagnosis and Fault Tolerant Systems for Wireless Networks	National Engineering College, Kovilpatti	Aug 02-03, 2007
Visual Programming	National Engineering College, Kovilpatti (FDP)	Dec 10-22, 2007
Research Challenges and Trends in Intelligent Web for Information Retrieval	National Engineering College, Kovilpatti	Mar18-19, 2011
Research Issues in Computer Simulation and Modeling for Advanced Nuclear Energy Systems	National Engineering College, Kovilpatti	July15-16, 2011
Game Theoretical Models for Problem solving in Wireless Networks	National Engineering College, Kovilpatti	Jan 20-21, 2012
Research Issues and Optimization in Cloud Computing	K.L.N. College of Engineering, Madurai (FDP)	Feb10-11, 2012
Workshop on “Soft Computing Techniques Using Matlab”	Dr.G.U. Pope College of Engineering, Sawyerpuram	Mar16, 2012

Exploring Network and Network Security from Root to Research	Dr.G.U. Pope College of Engineering, Sawyerpuram	Sep 26, 2012
Research Issues in Soft Computing Techniques for Nuclear Energy Systems	National Engineering College, Kovilpatti	Sep 28-29, 2012
NS2 and MATLAB	Einstein College of Engineering, Tirunelveli	Oct 12-13, 2012
Workshop on “HTML and Web Technologies”	Annammal College of Education for Women, Tuticorin	Jan 31, 2013
Wireless AdHoc Network Simulation using NS2	Dr. Sivanthi Aditanar College of Engineering, Tiruchendur	Feb14-15, 2013
Recent Trends in Computer Science	Sadakathullah Appa College, Tirunelveli	Feb19, 2014
CS6504 - Computer Graphics	Dr. Sivanthi Aditanar College of Engineering, Tiruchendur	May 28 - June 3, 2018
Future of Robotics and AI	SCAD College of Engineering And Technology, Tirunelveli	May 23, 2020
Android Programming and PHP	Bishop Caldwell College, Thoothukudi	May 23, 2020
CS8391–Data Structures	Velammal Engineering College, Chennai	May 25-29, 2020
Identification of Internet Suspect Criminals Using Forensic Field True Traveller kit	Francis Xavier Engineering College, Tirunelveli	May 27.2020
Agile Methodology and DevOps	Popes College (Autonomous), Sawyerpuram	May 28, 2020
Electrical Vehicles: The Future Of 21 <sup>st</sup> Century	St. Mother Theresa Engineering College, Thoothukudi	June1, 2020
AWS Cloud Computing Services	Joginpally B.R. Engineering College, Telangana	June 3, 2020
Introduction to Basics in R Programming	Popes College (Autonomous), Sawyerpuram	June 5, 2020
API	Bishop Caldwell College, Thoothukudi	June 8, 2020
Cyber Security	PSN College of Engineering And Technology, Tirunelveli	June 10, 2020
Cyber Security	Loyola – ICAM College of Engineering and Technology, Chennai	June 11, 2020

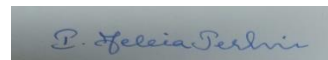


Software Engineering	S.A Engineering College, Chennai	June 11-13, 2020
Scope in Administrative Jobs after Engineering	NSHM Knowledge Campus Durgapur – GOI	June 21, 2020
Digital Fraud	Bharat Institute of Engineering And Technology (BIET), Telangana	July 7, 2020
Artificial Intelligence	Coimbatore Institute of Technology, Coimbatore (ATAL Academy Online FDP)	Oct 5-9, 2020
Internet of Things (IoT)	Thiagarajar College of Engineering, Madurai (ATAL Academy Online FDP)	Oct 19-23, 2020
Internet of Things (IoT)	Kongunadu College of Engineering and Technology (ATAL Academy Online FDP)	Jan 25-29, 2021
Research Innovation in Computer Vision	Kings Engineering College, Chennai (FDP)	May10-14, 2021
Introduction and Overview of Networking Technologies, Opportunities and Challenges	Bharat Institute of Higher Education and Research, Chennai	May 21, 2021
AI Integrated Web Services	Easwari Engineering College, Chennai (International FDP)	May 25-29, 2021
Examination Reforms Workshop (Online)	AICTE & KLE Technological University, Hubli, Karnataka	June 28-30, 2021
Patent Filing, Copyright & Trademarks	Joginpally B.R. Engineering College, Hyderabad	Feb 05, 2022
Advanced Research Methodology	SRM Institute of Science and Technology, Chennai	July 03-18, 2023
CS8691-EmbeddedSystems And IoT	Jayaraj Annapackiam CSI College of Engineering	July10-14, 2023
Emerging Technologies for Next Generation Networks	Kings Engineering College, Chennai(FDP)	July17-22, 2023
Cloud Infrastructure (AWS)	Francis Xavier Engineering College, AICTE & Brain O Vision (FDP)	Aug 21-25, 2023
Cloud Computing AWS and Azure	Dhole Patil College of Engineering, Pune (Workshop)	Oct 17, 2023
Emerging Technologies in Computer Science	Easwari Engineering College, Chennai (International FDP)	Jan 21–27, 2024
AI–Augmented Scientific Writing and Publishing	Vardhaman College of Engineering, Hyderabad (National Level Workshop)	Feb14-16, 2024

National Maritime Day 2024	The Institution of Engineers (India), Tiruchirappalli (National Webinar)	April 02, 2024
AI Tools for Teaching	Star International Foundation for Research and Education, Tiruchengode (Online FDP)	June 26, 2024
Harnessing Artificial Intelligence for Healthcare Excellence: Innovations, Insights and Impacts	SRM Institute of Science and Technology, Ramapuram (Online International FDP)	June 24-29, 2024
Generative and Ethical AI: Techniques and Applications with hands-on	National Institute of Technology, Tiruchirappalli (ATAL Academy Online FDP)	Jan 20 – 25, 2025
Cyber Security by Google	Naan Mudhalvan Program at Anna University Regional Campus, Tirunelveli	Feb 10 – 16, 2025
AI Tools for Research and Teaching	St. Xavier's College (Autonomous), Palayamkottai (National Level Virtual FDP)	March 9, 2025

## DECLARATION

I solemnly, hereby declare that the above-mentioned information is true to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.



**Signature of the Faculty**