**Dr.C.EZHILAZHAGAN**

“EZHIRKAYAL ILLAM”, NO.15A/20, AMMAN KOIL STREET, SRINIVASA NAGAR & POST,

PEERKANKARANAI, CHENNAI - 600063

Mob: +91 94449 18966; Email: ezhisang20@gmail.com

***Career Objective***

To acquire a job to quench my thirst for knowledge, to feel the spirit of team work, to enjoy the oneness and to grow together with the organization.

***Profile***

A Ph.D in Wireless Communication with a total **teaching experience greater than 15 years,** publications of **4 patents**, 6 International journals, 13 International and National Conferences, with a Book and 2 Book Chapter. An M.E with specialization in Optical Communication, high-performing, results focused professional with expertise in communication and networking. Possess strong interpersonal and communications skills. Proven strengths include projects, teaching and technical facilitation.

***Educational Qualifications***

* *Ph.D. from Anna University Chennai, May 2022 – Wireless Communication*
* *M.E. First Class from A.C. College of Engineering & Technology, Karaikudi, Anna University, June 2007 – Optical Communication*
* *B.E. First Class from M.S.A.J. College of Engineering, Egattur, Anna University, April 2005 – Electronics and Communication Engineering*
* *Diploma First Class with Distinction from Chengalvaraya Naicker Polytechnic College, Vepery, April 2002 – Electronics and Communication Engineering*
* *SSLC from Corley Higher Secondary School, Tambaram, March 1999.*

***Experience***

* Lecturer at **Bharath University**, Selaiyur, Chennai from July 2007 to April 2008.
* Lecturer at **St.Peters Engineering College**, Avadi, Chennai from August 2008 to April 2012.
* Assistant Professor at **Jawahar Engineering College**, Saligramam, Chennai from June 2013 to June 2020.
* Assistant Professor (Selection Grade) at **Dr.N.G.P. Institute of Technology**, Kalapatti, Coimbatore from November 2020 to till date.

***Additional Qualifications***

* Online Certification Course – Completed 5 MATLAB Certifications
* M.B.A. from Alagappa University, Karaikudi, June 2007 – Project Management
* UHV – I certified Teacher
* UpSkill Certification – English Skill – from Cambridge Assessment English

***Additional Responsibilities***

* NBA Department Coordinator
* NAAC Department Coordinator
* NIRF Department Coordinator
* Autonomous – Institutional level Department Coordinator
* Research and Development – Department Coordinator
* Academic Development Cell – Institutional Level
* IETE Society – Institutional Coordinator
* IETE Student Forum – Institutional Coordinator
* Board of Members in Autonomous Committee
* Syllabus Framing Committee for Autonomous Work
* Class Advisor, Tutor
* Project Coordinator

***Publications :***

***Journals***

1. *Design of Power and Area efficient Carry Skip Adder and FIR Filter implementation - El-Cezeri, vol. 10, no. 1, pp. 81-89, Jan. 2023,*
2. *An Efficient Relay Selection Method based on ANN Channel Estimation Technique for Amplify and Forward Relay in Cooperative Networs – Dynamic Systems and Applications, vol 30(10), 2021, 1622-1639.*
3. *Estimation of MTOs and Channel Parameters for Multi-Relay Cooperative Network in Wireless Communication – Perspectivas em Ciencia da Informacao, vol 22(4), 2017.*
4. *Estimating Timing and Frequency Offset along with channel in Multi-Relay Cooperative Networks using Amplify and Forward Network – Middle East Journal of Scientific Research & IDOSI Publications, vol. 23, 2015.*
5. *Timing and Carrier Synchronization by offset estimation for Cooperative Relay Networks – Indian Journal of Science and Technology, vol.8(s9), 2015.*
6. *Performance Analysis of Cooperative OFDM Networks under the constraint of Timing and Frequency offsets – International Journal of Advanced Research in Electrical and Electronics Engineering, vol.1(1), 2013.*

***Book***

* *Optical Communication and Networking – Acme Learning Pvt. Ltd., New Delhi, 2013.*

***Chapter***

* *Energy and Memory Efficient Routing Protocol (E&MERP) for Wireless Sensor Networks – Springer Publications, 2022*
* *Survey on RF Coils for MRI Diagnosis System – CRC Publishers, 2022*

***Conference proceedings***

1. Fair Quality of Voice over WiMAX Coexisting of WiFi Networks for Video streaming Applications – 10th International Conference on Recent Trends in Computing ICRTC 2022
2. Multiple Timing Offset and Channel Parameters Estimation for Decode and Forward Relay Cooperative Network - IEEE Technically Sponsored 2022 6th International Conference on Devices, Circuits and Systems (ICDCS) 2022
3. Energy and Memory Efficient Routing Protocol (E&MERP) for Wireless Sensor Networks - Springer Sixth International Conference on Information and Communication Technology for Competitive Strategies- ICTCS-2021.
4. Back Propagation Neural Network based Power estimation method for CMOS VLSI circuits - AIP Conference Proceedings, 2022.
5. Marine Boundary Alert and Safety System for Fishermen - International Conference on Recent Innovations in Science, Engineering & Technology – ICRISET-2021
6. Automatic Product Detection and Smart Billing for Shopping using Li-Fi - IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology 2016
7. Automatic Product Detection and Smart Billing for Shopping using Li-Fi - National conference on Information. Networking and Communication Technologies 2016.
8. Estimating Timing and Frequency Offset along with Channel in Multi-Relay Cooperative Networks using Amplify and Forward Network - International Conference on Sensing, Signal Processing and Security 2015.
9. Performance Analysis of Cooperative OFDM Networks Under the Constraint of Timing and Frequency Offsets - International Conference on Emerging Trends in Engineering & Technology 2014.
10. Secured Wireless Monitoring System for Industrial Automation and Control - International Conference on Recent Trends in Engineering, Management & Computer Application 2012.
11. Ad-hoc Routing Protocols: Performance Analysis – A Comparative Study - National conference on Advanced Electrical and Electronics 2011.
12. Comparitive Study of ECG Signals using Soft Computing Techniques - Emerging Communication Techniques 2008
13. A Comparitive Study of Classification of Accuracy of ECG Signals using Soft Computing Techniques - National conference on Advanced Communication Techniques 2007.

***Patent***

1. System and Method for selecting Access Point among available Access Points for Handoff operation – Journal 39/2019 Dated 27-09-2019
2. Design of BLE based child tracking bag using IoT – Journal 43/2019 Dated 25-10-2019
3. System and Method for Channel Estimation and Relay Selection – Journal 19/2021 Dated 07-05-2021 – FER Completed
4. Anti-Helmet Theft Protection and Implementation using Multi-Bio Recognize System – Journal 45/2021 Dated 05-11-2021 – FER Filed

***Programmes Organized***

1. ***E&ICT Sponsored by NIT, Warangal Online FDP*** *– FPGA based Signal Processing using Deep Learning – February 2022.*
2. ***Student Seminar*** *– Disruptive Technologies of Artificial Intelligence – January 2023*
3. ***Faculty Awareness Program*** *– WOLFRAM MATHEMETICA – January 2023*
4. ***5 days FDP*** *-* Recent Advancement in Electronics and Communication – June 2021
5. ***Student Seminar*** *-* Challenges and Implementation of Industry 4.0 – August 2021
6. ***Student Webinar*** *-* An Art of Cracking Technical Interviews – September 2021
7. ***Faculty Webinar*** *-* Trends in VLSI Design – March 2022
8. ***Student Webinar*** *-* Computer Vision and Digital Image Understanding – March 2022
9. ***Faculty Seminar*** *-* Designing/Debugging Microcontroller Systems – April 2022
10. ***School Outreach Program*** *– Study Engineering – April 2022*
11. ***Industry Seminar*** *-* Product Design and Manufacturing – Engineers Perspective – August 2022
12. ***Value Added Course*** *-* Product Design and Manufacturing – Engineers Perspective – September 202
13. ***Industry Visit*** *-* Product Design and Manufacturing – Engineers Perspective – October 2022

***Programmes Attended***

1. **FDP & STTP –** Attended 24 Various Programmes related to Electronics and Communication Engineering
2. **Workshop & Training** – Attended 23 different Workshops and Training related to Tools, Software etc.
3. **Seminar & Webinar** – Attended 40 plus seminars related to upgradation in Engineering.

***Guest Lectures / Value Added Course / Industry Interaction***

* ***Guest Lecture*** *– ‘Intellectual Property – Know Your Rights – An Overview’ – A.C. College of Engineering Technology, Karaikudi.*
* ***Value Added Course Lecture*** *– Simulink for Mechanical Engineers – Dr.N.G.P. Institute of Technology, Coimbatore*
* *S P Industries, Coimbatore – Automation, Installing and Service – Industry Interaction Program*

***Members in Editorial Board / Reviewer***

* *Reviewer – Journal of* **Computers, Materials & Continua (SCI & Scopus Indexed, Annexure Journal)**
* *Reviewer – Journal of* **Soft Computing (SCI & Scopus Indexed)**
* *Reviewer – Journal of* **Intelligent Automation & Soft Computing SCI & Scopus Indexed, Annexure Journal)**
* *Reviewer – Journal of* **Computer Systems Science & Engineering SCI & Scopus Indexed, Annexure Journal)**
* *Reviewer – Wireless Personal Communication (***SCI & Scopus Indexed)**
* *Reviewer/Editorial Board - Various Scopus Indexed Conferences*

***Awards / Achievements***

* ***Guest of Honour – Teachers Day Award – 2022*** *at Mohammed Sathak A.J. College of Engineering, Chennai.*

***NPTEL Certifications***

* *Introduction to Industry 4.0 and Industrial Internet of Things – 12 Weeks – Elite – 2020*
* *Patent Drafting for Beginners – 4 Weeks – Elite – 2021*
* *Intellectual Property – 12 Weeks – Elite + Silver – 2021*
* *Principles of Modern CDMA/MIMO/OFDM Wireless Communication – 8 Weeks – Elite + Silver – 2021*
* *Deep Learning – 12 Weeks – Elite – 2022*
* *Fundamentals of Artificial Intelligence – 12 Weeks – Elite – 2022*

***Membership in Professional Society***

* Indian Society for Technical Education (ISTE) – Life Member – LM110025
* International Association of Engineers (IAENG) – Life Member – 160490
* Institution of Electronics and Telecommunication Engineers (IETE) - Life Member - M-502736
* Institute of Research Engineers and Doctors (IRED) - Senior Member - SNM20220118594 till 2025-01-05
* International Institute of Organized Research (I2OR) - Fellow Member - I2OR2021/FI2OR-767
* Institute for Engineers Research and Publication (IFERP) – Life Member - PM89670123

***Personal Particulars***

Father’s Name : Chenguttuvan S

Mother’s Name : Poongothai C

Date of birth : 12 October 1984

Nationality : Indian

Religion : Hindu

Total years of Experience : 15 Years

Date: 15.02.2023

Place: Chennai **Dr.C.EZHILAZHAGAN**