Faculty Profile



Dr. K. Premkumar , M.E., Ph.D
Associate Professor,
Department of AIDS

HIGHLIGHTS:

- Number of Journal Publications:18
- H-Index:7
- Project Funding Received:02
- Patents Published:03
- Patents Granted:-

PROFESSIONAL LINKS:

- Scopus ID: 55567649300
- Scopus Link: http://www.scopus.com/authid/detail.uri?authorld=55567649300
- Google Scholar ID: https://scholar.google.com/citations?user=4Nu6b6AAAAAJ&hl=en&authuser=1
- Anna University Faculty ID: 2647341973
- AICTE Faculty ID: 1-469158479
- Anna University Supervisor ID:
- LinkedIn: www.linkedin.com/in/premkumar-kumarasamy-a1864745

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 29+ Years
- Industrial Experience: 2 Years

INTERNATIONAL EXPOSURE:

AREA OF SPECIALIZATION:

- Programming Languages
- Networks

- Data Structures and Algorithms
- Data Mining and Analytics

Ph.Ds AWARDED WITH DETAILS:

S:No	Name of Scholar	Title of Thesis	Year of Completion	Full Time/Part Time
-	-	-	-	-

Ph.Ds GUIDING:

- **Full Time Scholars: NIL**
- **Part Time Scholars : NIL**

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY:

PATENTS PUBLISHED/GRANTED:

- DECENTRALIZED HEALTH PASSPORT
- SMART ELECTRICAL SENSINGIN INFRASTRUCTURE
- PATTERNORIENTED PATIENT ASSISTANT SYSTEM

COURSES CERTIFIED:

- Oracle Certified Java Professional
- C programming
- Joy of Computing using Python programming
- Java Programming

ACHIEVEMENTS AND AWARDS:

- Got Best Co Ordinator Award by ICT Academy
- Got 20 Years of Excellence Award
- Got Best Teacher Award

SPECIAL SESSIONS DELIVERED:

- Delivered Guest lecture on " AI tools"

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

- Analyzing Fatique of Driver, In Proceedings of the 2022 The First International Conference on Innovative and Cutting Edge Technologies in Electrical, Electronics, Computer Engineering and Information Technology (ICICEECI'22)(BEST PAPER)

- Audio and Video Deep Fake Detection, In Proceedings of the 2022 The First International Conference on Innovative and Cutting Edge Technologies in Electrical, Electronics, Computer Engineering and Information Technology (ICICEECI'22).
- Aerial Robotics Based Water Search and Rescue System, In Proceedings of the 2022 The First International Conference on Innovative and Cutting Edge Technologies in Electrical, Electronics, Computer Engineering and Information Technology (ICICEECI'22).
- Small Scale Virtual Retailing Business for Reducing Organic Waste using AI & Blockchain, In Proceedings of the 2022 The First International Conference on Innovative and Cutting Edge Technologies in Electrical, Electronics, Computer Engineering and Information Technology(ICICEECI'22).
- Pharmaceutical Stock Supply Chain System, In Proceedings of the 2022 The First International Conference on Innovative and Cutting Edge Technologies in Electrical, Electronics "A Hidden Markov Model for Fault Tolerant Communication in VANETS", Proceedings of ACM Indexed International Conference on Advanced Research in Computer Science Engineering and Technology (ICARCSET'15), March 6th-7 th, Eluru, Andhra Pradesh, INDIA
- cs, Computer Engineering and Information Technology(ICICEECI'22).K. Premkumar, S. Jemima Evangelin, V. Amudharani, P. Inbavalli, R. Suganya, and U. Prabu. 2015. "Survey on Collision Avoidance in VANET". In Proceedings of the 2015 International Conference on Advanced Research in Computer Science Engineering & Technology (ICARCSET 2015)
- "A bioinspired artificial bee colony approach for dynamic independent connectivity patterns in VANET," in Circuit, Power and Computing Technologies (ICCPCT), 2015 International Conference on , vol., no., pp.1-6, 19-20 March 2015
- An Robust Recursive Ant Colony Optimization Strategy in Vanet for Accident Avoidance (RACO-VANET)", IEEE Xplore Indexed International Conference on Circuit, Power and Computing Technologies (ICCPCT'15), March 19th-20th (2015), Kanyakumari, Tamil Nādu, INDIA.
- Privacy-Aware Authentication Policies in Vehicular Communication Ad Hoc Networks: The Information Privacy Perspective", Scopus Indexed International Conference on Advancements in Engineering Technology (ICAET'15), Published on IJAER (ISSN: 0973-4562), Special Issue Vol.10, No.3, pp. 2055-2057, March 13th -14th, Puducherry, INDIA.
- Comprehensive Analysis on Information Dissemination Protocols in Vehicular AdHoc Networks", Scopus Indexed International Conference on Advancements in Engineering Technology (ICAET'15), Published on IJAER (ISSN: 0973-4562), Special Issue Vol.10, No.3, pp. 2058-2061, March 13th -14th, Puducherry, INDIA.
- "A hybrid ACO-PSO based clustering protocol in VANET", Proceedings of ACM Indexed International Conference on Advanced Research in Computer Science Engineering and Technology (ICARCSET'15), March 6th-7 th, Eluru, Andhra Pradesh, INDIA.
- "Performance Evaluation of Dynamic Clustering of vehicles in VANET: Challenges and Solutions", Proceedings of ACM Indexed International Conference on Advanced Research in Computer Science Engineering and Technology (ICARCSET'15), March 6 th-7 th .
- "Multi-Objective Clustering Methodologies and its applications in VANET", Proceedings of ACM Indexed International Conference on Advanced Research in Computer Science

Engineering and Technology (ICARCSET'15), March 6th-7 th, Eluru, Andhra Pradesh, INDIA

- Quantitative Analysis on various Safety Centric based approaches in VANET", IEEE Xplore Indexed Global Conference on Communication Technologies GCCT'15, April 23rd-24th (2015), Kanyakumari, Tamil Nādu, INDIA.
- A Chaotic Krill Herd Optimization Approach in VANET for Congestion Free Effective Multi Hop Communication", Proceedings of ACM Indexed International Conference on Advanced Research in Computer Science Engineering and Technology (ICARCSET'15), March 6 th-7 th, Eluru, Andhra Pradesh, INDIA.
- Demystifying Challenges, Opportunities and Issues of Big Data Frameworks", Proceedings of ACM Indexed International Conference on Advanced Research in Computer Science Engineering and Technology (ICARCSET'15), March 6th-7 th, Eluru, Andhra Pradesh, INDIA.
- Presented IEEE Conference on " Chaotic Swarm – Based Linguistic Sensing Algorithm for Disaster – Resilient Emergency Communication Systems" 8th to 10th April 2026

PROFESSIONAL MEMBERSHIPS:

- Life tine ISTE Membership: LM105760

OTHER DETAILS (If any):

- Overall College NAAC Criteria 1 Coordinator.
- Board Chairman for designing the Curriculum and Syllabi
- Board Chairman for Examination and Valuation.
- Overall College coordinator for ICT Academy.
- Department In charge for NBA Accreditation.
- Department In charge for NAAC Accreditation
- Department Coordinator for TCS Accreditation
- Overall College coordinator for Swachh Bharath & Unnat Bharat Abiyan
- Coordinator for "Sikarathai Nokki" a career guidance program for +2 students
- In-charge for Academic calendar preparation
- In-charge for updating various college events in social media like Facebook , Twitter , Instagram etc.
- Member of Board of Council in Pondicherry University • Coordinator for ISO 9001:2000 certification
- Coordinator for AISHE portal
- Co-Ordinator for Vanavil Art Academy
- Co-Ordinator for conducting online examinations