

Dr. SELVAKUMAR.K

59, Block-10,
21st Street,
National Institute of Technology Trichy,
Tiruchirappalli-620015,
Tamil Nadu.
Mobile: +91 94864 35666

kselfvakumar@nitt.edu, selvaa21@gmail.com



Professional Objective:

To attain proficiency & expertise in my Technical experience, skills, and knowledge in the field of Computer science and Engineering, Neural networks & Medical image processing which will help me to explore myself fully and realize my potential. I am also willing to work as a key player in a challenging & creative environment.

Academic Qualification:

Programme	Name Of The Institutions	Board/University	Year Of Passing	% Secured
Ph.D.	College of Engineering Guindy Campus Chennai-600025	ANNA University	Nov'2016	8.75 CGPA
M.E(CSE)	College of Engineering Guindy Campus Chennai-600025	ANNA University	Jun'2006	72
B.E (CSE)	Arulmigu Meenakshi Amman College of Engineering, Kanchipuram – 10	MADRAS University	Jul'2002	70
H.S.C	A.C.S.M. Hr. Sec. School, Vadapudupet – 635 810.	State Board	Mar'1998	71
S.S.L.C	Concordia Hr. Sec. School, Ambur – 635 802.	State Board	Mar'1996	71

Professional Experience: (15 + Years of Exp.)

- ✓ Working as an **Assistant Professor-Grade I** in the Department of Computer Applications, at the National Institute of Technology Trichy-15, from **March 2024 to date**.
- ✓ Working as an **Assistant Professor-Grade II** in the Department of Computer Applications, at the National Institute of Technology Trichy-15, from **May 2020 to March 2024. (3.10 years)**
- ✓ Worked as an **Associate Professor** in the School of Computer Science and Engineering (SCOPE) at Vellore Institute of Technology, Vellore from **Dec' 2016 to May 2020. (3.6 years)**
- ✓ Worked as an **Assistant Professor (Senior)** in the School of Computing Science and Engineering (SCOPE) at VIT University, Vellore from **Sep' 2014 to Nov' 2016. (2 years)**
- ✓ Worked as an **Assistant Professor** in the School of Computing Sciences at VIT University, Vellore from **Jun' 2006 to Aug' 2014. (8 years)**

- ✓ Worked as a **Lecturer** in the Department of Information Technology at S.K.P College of Engineering, Tiruvannamalai from **Dec’ 2003** to **May 2004 (6 Months)**.
- ✓ Worked as a **Lecturer** in the Department of Computer Science and Engineering at Sri Nandhanam College of Engineering & Technology, Tirupattur from **Nov’ 2002** to **Nov’ 2003 (1 year)**.

List of Publications:

- ✓ K Natarajan, Dhanalakshmi Baskaran, **Selvakumar Kamalanathan**, "An adaptive ensemble feature selection technique for model-agnostic diabetes prediction," Scientific Reports-Springer, Vol-15 (1), Pages-6907, 2025. **(SCIE)**
- ✓ L SaiRamesh, G Jasper Willsie Kathrine, V Sathiyavathi, **K Selvakumar**, S Sabena, "Intelligent Intrusion Detection and Prevention System for IoT Using Game Theoretic Approach", Wireless Personal Communications, Pages 1-16, 2025. **(SCIE)**
- ✓ Sushil Kumar & **K. Selvakumar**, "Down Syndrome: Insights and Analysis", Archives of Molecular Biology and Genetics, Vol-3, Pages 24-27, 2024. **(SCOPUS)**
- ✓ **K. Selvakumar**, Premlatha K.R, M. Tamil Thendral, Sai Ramesh L, "Fake Currency Notes Detection using Supervised Learning Methods", International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI), Pages 1-7, 2024. **(SCOPUS)**
- ✓ Sushil Kumar, **K Selvakumar**, "Various Methods for Computing Risk Factors of Down Syndrome in Fetus", Archives of Computational Methods in Engineering, Pages 1-14, 2024. **(SCIE)**
- ✓ S. Sabena, K. Selvakumar, L. Sai Ramesh, Automatic Intravenous Fluid and Health Monitoring using an IoT System, Internet of Medical Things in Smart Healthcare: Post-COVID-19 Pandemic Scenario, 2023, pp. 57–75. **(SCOPUS)**
- ✓ S A Sadhana, **K Selvakumar**, S Sabena, L SaiRamesh, "Recommendation system for Twitch Social Network graph using Link Prediction Technique", International conference on Winter Summit on Smart Computing and Networks, Pp: 1-5, 2023. **(SCOPUS)**
- ✓ Sathiyavathi, V. Thenmozhi, R. Sai Ramesh, L. Sabena, S. **Selvakumar, K.**, "Clustering based secure error report fault tolerant routing in mobile adhoc networks", Journal of Intelligent & Fuzzy Systems, Vol-(Pre-press), pp:1-10, 2023. **(SCI-E)**
- ✓ Mamata Das, **K Selvakumar**, PJA Alphonse, "Analyzing and Comparing Omicron Lineage Variants Protein–Protein Interaction Network Using Centrality Measure", SN Computer Science, Vol-4, pp:1-10, 2023. **(SCOPUS)**
- ✓ B Dhanalakshmi, **K Selvakumar**, L SaiRamesh, "Healthcare therapy for treating teenagers with internet addiction using behavioral patterns and neuro-feedback analysis", Advances in Cyber Security and Intelligent Analytics (CRC-Press), pp:249-260, 2022. **(SCOPUS)**

- ✓ N Fareena, C Yogesh, **K Selvakumar**, L SaiRamesh, “Google Play Malware Detection based on Search Rank Fraud Approach”, *KSII Transactions on Internet and Information Systems (TIIS)*, Vol-16 (11), pp: 3723-3737, 2022. **(SCI)**
- ✓ **K Selvakumar**, PJA Alphonse, L SaiRamesh, “Yield Prediction Based on Soil Content Analysis through Intelligent IoT System for Precision Agriculture”, *Cloud IoT Systems for Smart Agricultural Engineering*, pp: 133-146, Chapman and Hall/CRC, 2022. **(SCOPUS)**
- ✓ L SaiRamesh, S Sabena, **K Selvakumar**, “Energy Efficient Service Selection from IoT Based on QoS Using HMM with KNN and XGBoost”, *Wireless Personal Communications* volume 124, pages3591–3602, 2022. **(SCI)**
- ✓ R Janarthanan, Eshrag A Refaee, **K Selvakumar**, Mohammad Alamgir Hossain, Rajkumar Soundrapandiyam, Marimuthu Karuppiah, “Biomedical image retrieval using adaptive neuro-fuzzy optimized classifier system”, *Mathematical Biosciences and Engineering*, Vol-19 (8), pp:8132-8151. 2022. **(SCI-E)**
- ✓ Mamata Das, PJA Alphonse, **K Selvakumar**, "An Analytical Study of COVID-19 Dataset Using Graph-Based Clustering Algorithms", *Smart Intelligent Computing and Applications*, Volume 1: Proceedings of Fifth International Conference on Smart Computing and Informatics (SCI 2021) Smart Intelligent Computing and Applications, Volume 1 pp 1–15, 2022. **(SCOPUS)**
- ✓ **K Selvakumar**, L Sairamesh, "User Query-Based Automatic Text Summarization of Web Documents Using Ontology", *International Conference on Communication, Computing and Electronics Systems*, (2021), 593. **(SCOPUS)**
- ✓ Mamata Das, PJA Alphonse, **Selvakumar Kamalanathan**, "Markov Clustering Algorithms and Their Application in Analysis of PPI Network of Malaria Genes", *IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS) 2021*. **(SCOPUS)**
- ✓ M Ambika, N Mangayarkarasi, Raghuraman Gopalsamy, L Sai Ramesh, **Kamalanathan Selvakumar**, "Secure and Dynamic Multi-Keyword Ranked Search", *International Journal of Operations Research and Information Systems (IJORIS)*, 12 (3), (2021), 1-10. **(SCOPUS)**
- ✓ **K Selvakumar**, L SaiRamesh, A Ayyasamy, M Archana, "Intelligent energy-aware multiple quality of service restraints based secured optimal routing protocol with dynamic mobility estimation for wireless sensor networks", *Journal of Intelligent & Fuzzy Systems*, (2021), 1-17. **(SCI-E)**
- ✓ Mamata Das, **Selvakumar Kamalanathan**, PJA Alphonse, "A Comparative Study on TF-IDF Feature Weighting Method and Its Analysis Using Unstructured Dataset.", *5th International Conference on Computational Linguistics and Intelligent Systems*, 2021. **(SCOPUS)**
- ✓ **Selvakumar K.**, Sai Ramesh L. “Fuzzy Expert System-Based Node Trust Estimation in Wireless Sensor Networks”. In: Smys S., Balas V.E., Kamel K.A., Lafata P. (eds) *Inventive Computation and Information Technologies. Lecture Notes in Networks and Systems*, vol 173. (2021) Springer, Singapore. **(SCOPUS)**
- ✓ L Sai Ramesh, S Shyam Sundar, **K Selvakumar**, S Sabena, "Tracking of Wearable IoT Devices Through WAP Using Intelligent Rule-Based Location Aware Approach", *Journal of Information & Knowledge Management*, 20, (01), (2021), 1-9. **(SCOPUS)**
- ✓ V Sathiyavathi, M Jessey, **K Selvakumar**, L SaiRamesh, "Smart Surveillance System for Abnormal Activity Detection Using CNN”, Vol. (40), *Advances in Parallel Computing Technologies and Applications*, 2021. **(SCOPUS)**

- ✓ Dhanalakshmi, B., SaiRamesh, L. & **Selvakumar, K.** Intelligent energy-aware and secured QoS routing protocol with dynamic mobility estimation for wireless sensor networks. *Wireless Netw* 27, (2021). 1503–1514. (**SCI**).
- ✓ R Reshma, V Sathiyavathi, T Sindhu, **K Selvakumar**, L SaiRamesh, "IoT based Classification Techniques for Soil Content Analysis and Crop Yield Prediction", Fourth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC), (2020), 156-160. (**SCOPUS**)
- ✓ Shraveen B.S, **Selvakumar K**, Rajesh M, Eshwar S, "Youtube Video Ranking: A NLP based System", *International Journal of Recent Technology and Engineering (IJRTE)*, 8 (4), (2019), 1370-1375. (**SCOPUS**)
- ✓ **Selvakumar K** Akshaya B, "Innovative Waste Management Technique Via Garbage Collecting Robotruck", *International Journal of Recent Technology and Engineering (IJRTE)*, 8 (3), (2019), 272-277. (**SCOPUS**)
- ✓ Vaibhav Bangwal **Selvakumar Kamalnathan**, Yash Mishra, Vijay Kumawat, "Evolution of Different Music Genres", *International Journal of Engineering and Advanced Technology (IJEAT)*, 9 (1), (2019), 5138-5143. (**SCOPUS**)
- ✓ **K Selvakumar**, Marimuthu Karuppiah, L SaiRamesh, SK Hafizul Islam, Mohammad Mehedi Hassan, Giancarlo Fortino, and Kim-Kwang RaymondChoo., "Intelligent Temporal Classification and Fuzzy Rough Set-based Feature Selection Algorithm for Intrusion Detection System in WSNs", *Journal of Information Sciences*, 497, 77-90, Elsevier 2019. (**SCI**)
- ✓ **Selvakumar Kamalanathan**, SaiRamesh Lakshmanan, and Kannan Arputharaj, "Wise Intrusion Detection System using Fuzzy Rough Set based Feature Extraction and Classification Algorithms", *International Journal of Operational Research-Inderscience*, 35(1) 87-107, 2019. (**SCOPUS**)
- ✓ **Selvakumar K**, Yash Mishra, and Vijay Kumawat, "Performance Analysis of Flappy Bird playing agent using Artificial Neural Network and Genetic Algorithm", *Springer CCIS Series 1025 (ISSN No. 1865-0929) 2019*. (**SCOPUS**)
- ✓ **Selvakumar K.**, SaiRamesh L., Sabena S., Kannayaram G., "CLOUD COMPUTING-TMACS: A Robust and Verifiable Threshold Multi-authority Access Control System in Public Cloud Storage" *Smart Intelligent Computing and Applications. Smart Innovation, Systems and Technologies*, vol 105. Springer, Singapore, 2019. (**SCOPUS**)
- ✓ Murali, S., Manimaran, A., **Selvakumar, K.**, Dinesh Kumar, S., "Hashing based hybrid online voting using Amazon Web Services", *International Journal of Engineering & Technology*, 7 (4.10) (2018) 295-297. (**SCOPUS**)
- ✓ Sayantani Basu, Marimuthu Karuppiah, **K Selvakumar**, Kuan-Ching Li, SK Hafizul Islam, Mohammad Mehedi Hassan, Md Zakirul Alam Bhuiyan, "An Intelligent/cognitive model of task scheduling for IoT applications in cloud computing environment", *Future Generation Computer Systems* 88 (2018) 254–261. (**SCI**)
- ✓ Embedded System in Passenger Car with Medical Safety and Alert System, Shantanu Chaudhary and **Selvakumar K**, *International Research Journal in Advanced Engineering and Technology (IRJAET)*, 4(2), 3092-3095, 2018. (**NON-SCOPUS**)

- ✓ **Selvakumar K**, Sairamesh L, Kannan A, “An intelligent energy-aware secured algorithm for routing in wireless sensor networks”, *Wireless Personal Communications*, 96(3), (2017) 4781-4798. **(SCI)**
- ✓ **K. Selva Kumar**, Jasnoor Kaur and S.Ramani, “Consumer Behavior Analysis using Big Data Analytic”, *International Journal of Control Theory and Applications*, 10(30), 327-336, 2017. **(NON-SCOPUS)**
- ✓ Pulkit Suhasaria, Ankit Garg, Ashwani Agarwal, **Selvakumar K**, “Distributed Denial of Service Attacks: A Survey”, *Imperial Journal of Interdisciplinary Research (IJIR)*, 3(3), 1-13, 2017. **(NON-SCOPUS)**
- ✓ **K Selvakumar**, LS Ramesh and A Kannan, “Enhanced K-Means Clustering Algorithm for Evolving User Groups”, *Indian Journal of Science and Technology* 8 (24), 1 2015. **(SCOPUS)**
- ✓ R Vijayakumar, **K Selvakumar**, K Kulothungan, and A Kannan, “Prevention of Multiple Spoofing Attacks with Dynamic MAC Address Allocation for Wireless Networks”, *International Conference on Communications and Signal Processing (ICCSP)*, 2014. **(SCOPUS)**
- ✓ **K Selvakumar**, GS Mahalakshmi, and S. Sendhilkumar, “Application for Fuzzy Logic for User Classification in Personalized Web Search”, *International Journal on Cybernetics & Informatics (IJCI)* 3 (3), 23-49. **(NON-SCOPUS)**
- ✓ **K Selvakumar**, S Sendhilkumar, “Challenges and Recent Trends in Personalized Web Search: A Survey”, *Third International Conference on Advanced Computing (ICoAC)*, 2011, 333-339. **(SCOPUS)**
- ✓ K Vijay, and **K Selvakumar**, “Brain FMRI Clustering using Interaction K-Means Algorithm with PCA”, *International Conference on Communications and Signal Processing (ICCSP)*, 2015. **(SCOPUS)**
- ✓ **Selvakumar Kamalanathan**, Sendhilkumar Selvaraju, “Collaborative Approaches for Personalized Web Search Using Fuzzy Neural Networks”, *Global Trends in Information Systems and Software Applications*, 367-376. **(SCOPUS)**
- ✓ **Selvakumar Kamalanathan**, SaiRamesh Lakshmanan, Kannan Arputharaj, “Fuzzy Clustering based Intelligent and Secured Energy-Aware Routing”, *Handbook of Research on Fuzzy and Rough Set Theory in Organizational Decision Making*. **(SCOPUS)**
- ✓ S Gunasekaran, L SaiRamesh, S Sabena, **K Selvakumar**, S Ganapathy, “Dynamic Scheduling Algorithm for Reducing Start Time in Hadoop”, *Proceedings of the International Conference on Informatics and Analytics*, 123. **(SCOPUS)**
- ✓ **K Selvakumar**, L SaiRamesh, A Kannan, “Fuzzy Based Node Trust Estimation in Wireless Sensor Networks”, *Asian Journal of Information Technology* 15 (5), 951-954. **(SCOPUS)**
- ✓ S Sabena, LS Ramesh, **K Selvakumar**, “Multiple Cancer's Prediction using Hybrid Naïve Baye's Classifier”, *Asian Journal of Research in Social Sciences and Humanities* 6 (6), 1770-1782. **(SCOPUS)**
- ✓ Prabu Sevugan, **Selvakumar K**, “Integration of Artificial Neural Networks and Biometric Techniques for Individual Authentication”, *International Journal of Applied Engineering Research (IJAER)* 9 (22), 13511. **(SCOPUS)**

- ✓ **Selvakumar K** and Sevugan Prabu, “Centroid Neural Network-based Clustering Technique using Competitive Learning”, Proceedings of the 2009 IEEE International Conference on Systems, Man, and Cybernetics. (SCOPUS)
- ✓ L. Ramanathan, K. **Selvakumar**, S. Prabu, “Centroid Neural Network-Based Clustering Technique Using Competitive Learning for image pixel clustering”, 6th International Conference on Condition Monitoring and Machinery Failure Prevention Technologies. (SCOPUS)

Training Programme, Seminars & Workshops Attended:

- ✓ Participated in the “**Five Day Faculty Development Programme**” titled “**End-to-End Process in Data Analytics**” conducted by the Department of Information Technology, SSN College of Engineering, Chennai-110 during Nov’ 02-06 2020.
- ✓ Participated in the “**Five Day International Webinar**” titled “**Disruptive Technologies in Smart Computing for Today and Tomorrow**” conducted by the Department of Computer Science, Central University of Tamil Nadu, Thiruvarur during Sep’ 07-11 2020.
- ✓ Participated in the “**Two Day Webinar on IoT Security (WISE)**” organized by Centre for Development of Advanced Computing (C-DAC), Hyderabad and Society for Electronic Transactions and Security (SETS), Chennai during Aug’ 28-29 2020.
- ✓ Participated in the “**Faculty Development Programme**” titled “**E-Content Development**” organized by NITTTR, Chennai- 113 during Aug’ 10-14 2020.
- ✓ Participated in the “**Faculty Development Programme**” titled “**JAVA**” organized by the Academic Staff College, Vellore Institute of Technology, Vellore-14 during Jun’ 10-14 2019.
- ✓ Participated in the “**Faculty Development Programme**” titled “**Academic Aspects of Making a Learner Centric MOOC**” organized by the Academic Staff College, Vellore Institute of Technology, Vellore-14 during Mar’ 16 2019.
- ✓ Participated in the “**Six Days National Level Workshop**” titled “**Artificial Intelligence in Medical and Healthcare Applications- AIMA'2018**” organized by the Department of Electrical Engineering, Kongu Engineering College, Erode-60 during Dec’ 24-29, 2018.
- ✓ Participated in the “**Faculty Development Programme**” titled “**DevOps**” organized by the Department of Software and Systems Engineering, SITE, Vellore Institute of Technology, Vellore-14 during Nov’ 15-16 2018.
- ✓ Participated in the “**One-day Workshop**” titled “**Activity-based Learning for Technical Subjects**” organized by Academic Staff College of Vellore Institute of Technology, Vellore-14 on Jul 04, 2018.
- ✓ Participated in the “**Informatica University Training Program**” titled “**Workshop on tools for Data Quality by Informatica**” organized by Informatica University and SCOPE, VIT University, Vellore-14 during Oct’ 05-06 2017.
- ✓ Participated in the “**One-day Workshop**” titled “**Workshop on Application of Statistics using SPSS Software**” conducted by Academic Staff College of VIT University, Vellore-14 on Aug’ 23 2017.

- ✓ Participated in the “**One-day Workshop**” on “**SMART board-Note Book Software**” organized by Academic Staff College, VIT University, Vellore on Jul 07, 2017.
- ✓ Participated in the “**Informatica University Training Program**” titled “**DI PowerCenter Train the Trainer Program**” organized by Informatica University and SCOPE, VIT University, Vellore-14 during Apr’ 03-07 2017.
- ✓ Participated in the “**Faculty Development Programme**” titled “**R Programming with STAT-CRAT**” conducted by Academic Staff College of VIT University, Vellore-14 on Feb’ 22 2017.
- ✓ Participated in the “**One-day Workshop**” on “**SMART board-Note Book Software**” organized by Academic Staff College, VIT University, Vellore on Jan’ 10 2017.
- ✓ Participated in the “**DST Ten days Training Program**” titled “**Big Data Analytics (Big Data Initiative Division)**” organized by the School of Computer Science & Engineering (SCOPE), VIT University, Vellore-14 during June’ 20-29 2016.
- ✓ Participated in the “**One-day Workshop**” on “**Applications of Differential and Difference Equations**” facilitated by Academic Staff College, VIT University, Vellore on Oct’ 09 2015.
- ✓ Participated in the “**Faculty Development Programme**” titled “**Role of Faculty Members in Skill Development and Fostering Innovation**” conducted by Academic Staff College of VIT University, Vellore-14 on Sep’ 18 2015.
- ✓ Participated in the “**Two-Week ISTE Workshop**” on “**Cyber Security**” conducted by IIT Bombay on Jul 10 to 20 2014.
- ✓ Participated in the “**Two-day Workshop**” on “**Advances in Image Processing and Its Applications**” conducted by Dept. of Information Science and Technology, Anna University, Chennai with UGC on Jan’ 24 & 25 2014.
- ✓ Participated in the “**One-day Workshop**” on “**Data Analysis using SPSS**” conducted by RCC, Anna University Chennai with SPSS South Asia Pvt. Ltd, Bangalore on May 29, 2013.
- ✓ Participated in the “**Short Term Course**” on “**Research Methodology, Techniques of Writing Research Articles and Ph.D. Thesis Preparation**” conducted by Dept. of Civil Engineering, Anna University with UGC, Chennai on Mar’ 9 2013.
- ✓ Participated in the “**Special Lecture**” on “**How to Do a Good Ph.D. Thesis**” conducted by Centre for International Affairs, Anna University, Chennai on Apr’ 10 to 12 2012.
- ✓ Participated in the “**Two-day Workshop**” on “**Social Network Analysis & Mining**” conducted by Dept. of Information Science and Technology, Anna University, Chennai on Mar’ 23 & 24 2012.
- ✓ Participated in the “**Faculty Development Training Programme**” on “**Software Testing**” conducted by Dept. of Information Science and Technology, Anna University, Chennai on Nov’ 16 to 22 2011.
- ✓ Participated in the “**Two-day Workshop**” on “**Research Methodologies in Computer Science & Engineering**” conducted by Dept. of Computer Science and Engineering, Anna University, Chennai on Sep’ 24 & 25 2011.
- ✓ Participated in the “**One-day Workshop**” on “**Research and Writing**” conducted by Centre for Empowerment of Women, Anna University, Chennai on Sep’ 14 & 15 2011.

- ✓ Participated in the “**Two-day Workshop**” on “**Mobile Application Development**” conducted by Dept. of Information Science and Technology, Anna University, Chennai on Apr’ 1 & 2 2011.
- ✓ Participated in the “**One-day Workshop**” on “**Edusat Utilisation & Development of E-Learning**” conducted by College of Engineering, Anna University on Feb’ 19 2011.
- ✓ Participated in the “**International Workshop**” on “**Data Mining for Web Intelligence**” conducted by MIT Campus, Anna University, Chennai during Jan’ 20 & 21 2011.
- ✓ Participated in the “**One-day Workshop**” on “**Linux Process Management**” conducted by the School of Computing Science and Engineering, VIT University on Apr’ 11 2010.
- ✓ Participated in the “**One-day Workshop**” on “**Effective E-Learning Tools & Techniques**” conducted by the School of Computing Science and Engineering, VIT University on Mar’ 20 2010.
- ✓ Participated in the “**One-day Workshop**” on “**Project Documentation**” conducted by the School of Computing Science and Engineering, VIT University on Mar’ 6 2010.
- ✓ Participated in the “**National Workshop**” on “**Data Warehousing, Data Mining Techniques & Tools**” conducted by the School of Computing Science and Engineering, VIT University during Jan’ 8 & 9 2010.
- ✓ Participated in the “**Faculty Development Training Programme**” on “**Grid Computing**” organized by Arunai Engineering College & Anna University, during Dec’ 11 to 18 2009.
- ✓ Participated in the **One-day Training Programme** on “**Productivity Improvement**” VIT University on Nov’7 2009.
- ✓ Participated in the **One-day Training Programme** on “**Emerging Trends in ERP**” SCS, VIT University with TAFE on Sep’26 2009.
- ✓ Participated in the “**Faculty training Programme**” on “**Accelerated Learning and Competency Development**” organized by Academic Staff College, VIT University during Sep’ 18 2009.
- ✓ Participated in the **One-day Workshop** on “**FPGA based system design using Altera Tools**” SCSE, VIT University with Altera University Programme & Enixs Technology on Sep’5 2009.
- ✓ Participated in the “**Faculty training Programme**” on “**Operating System and Computer Architecture**” organized by SCS, VIT University during Jun’ 23 to Jul’ 3 2009.
- ✓ Participated in the **National Symposium Training Programme** on “**Open Source Software Development (Swantantra ’09)**” VIT University with C-DAC during Aug’ 01 to 02 ‘2009.
- ✓ Participated in the “**Faculty training Programme**” organized by Academic Staff College, VIT University during Feb’ 09 to 13’ 2009.
- ✓ Participated in the **One-day National seminar** on “**Multimedia Computing & Its Application**” SCS VIT University with Motorola, Doordharsan & CSI on Jan’24 2009.
- ✓ Participated in the **One-day National seminar** on “**Project Management Education and Career Opportunities**” SCS VIT University with PMI, QAI & CSI on Jan’19 2009.
- ✓ Participated in the **One-day International seminar** on “**Computational Intelligence**” held at **BHARATHIAR UNIVERSITY** on Dec’30 2008.

- ✓ Participated in the “**Faculty training Programme on E-learning, Leadership & Mentoring**” organized by Academic Staff College, VIT University during Oct’ 30 to 31’ 2008.
- ✓ Participated in the “**Faculty training Programme**” organized by Academic Staff College, VIT University from May 08 to 10’ 2007.

Invited Talks & Resource Person in FDTP:

- ✓ Resource person for AICTE Training and Learning ATAL Academy sponsored One week Online FDP on “**Cyber Security using ML-Practical Applications**” Dept. of CSE, Dr.M.G.R Educational and Research Institute University, Chennai - 600 095.
- ✓ Resource person for One week FDP on” **Current Research Trends in Computer Science (CRTCS)**” Dept. of CSE, Kakatiya Institute of Technology & Science Warangal-50601.
- ✓ Resource person for the 6-Days FDP on” **Blue Chips of the Current Industry-ML and Big Data**” School of Computing, Dept. of CSE, SATHYABAMA Institute of Science and Technology, Chennai- 600119.
- ✓ Resource person for the Webinar on” **Overview of AI, ML & Data Science**” Dept. of CSE, University College of Engineering, Nagercoil-620004.
- ✓ Resource person for the Webinar on” **Carrier Track in Computer Science & Engg**” Dept. of CSE, Chennai Institute of Technology, Chennai- 600069.
- ✓ Resource person for the 3-Days FDP on” **Trends in Artificial Intelligence and data Science**” Dept. of Information Technology, Easwari Engineering College, Chennai-600089.
- ✓ Resource person for the Webinar on” **Social Networking in Information Technology**” Dept. of Information Technology, Panimalar Engineering College, Chennai- 600123.
- ✓ Resource person for the 5-Days FDP on” **Emerging Technology Trends in 4th Industrial Revolution World**” Dept. of CSE, Chennai Institute of Technology, Chennai- 600069.
- ✓ Resource person for the 14-Days FDTP on” **IoT and Cloud Security**” Dept. of CSE, MNM Jain Engineering College, Chennai- 600097.
- ✓ Chief Guest and deliver the Guest Lecture on the topic “**Social Networking through IT**” in the Department of Computer Science and Engineering, The Kavery Engineering College, Mecheri, Salem - 636 453.
- ✓ Acting as a **resource person** for the 1-Days Hands-on Workshop on “**Building IoT on Cloud Environment**” in Justice Basheer Ahmed Sayeed College for Women (formerly known as the S.I.E.T Women’s College) #56 K.B Dasan Road, Teynampet, Chennai - 600 018. Tamilnadu (India).
- ✓ Acting as a Resource person and delivering the lecture on 7-Days Series of Workshop on “**Operating Systems**” in SCOPE, Vellore Institute of Technology, Vellore-632014.

- ✓ Acting as a Resource person and delivering the lecture on 6-Days AICTE-ISTE FIP on **“Machine Learning using R Programming”** in **RMK College of Engineering and Technology, Chennai-206.**
- ✓ Chief Guest and delivered the Guest Lecture on the topic **“Modern Approaches of Artificial Intelligence”** in **Paavai Engineering College, Namakkal.**
- ✓ Acting as a Chief Guest and delivering the Guest Lecture on the topic **“ Recent trends in IoT”** in **TECHFEST’18, DKM College for Women, Vellore-2**
- ✓ Acting as a Resource person and delivering lecture on the topic **"Data Mining Tools"** on 28th March 2017 **First International Conference on Recent Trends in Media Science and Technology (RTMeST '17)** at **Dept. of Media Sciences, Anna University, Chennai-25.**
- ✓ Acting as a Resource person and delivering a lecture on 7 days Faculty Development and Training Programme on the topic **“Introduction to Artificial Intelligence and Searching Algorithms”** in the subject **“Artificial Intelligence”** on 05.12.2016 at **Dept. of Information Science and Technology, CEG Campus, Anna University, Chennai-25.**

Certification courses Attended:

- ✓ “Hardware Trouble Shooting & Networking” in **RELIANCE Communication**, Ashok Nagar, Chennai-83.
- ✓ “Object-Oriented Analysis and Design using UML with fundamentals of **RATIONAL ROSE**” in **IBM**.
- ✓ “Advanced Internet Power Programming” in **SAVANT Technologies Ltd**, Nandanam, Chennai-35.

Scientific & Professional Societies of which a Member :

- ✓ Life member in **Computer Society of India (CSI)**
- ✓ Life member in **International Association of Engineers (IAENG)**
- ✓ Life member in **Indian Society of Technical Education (ISTE)**
- ✓ Member of **IEEE Computer Society**

Honors & Achievements:

- ✓ **UGC-BSR Fellow during 2013-2015**
- ✓ **UGC –NET Qualified**, National Eligibility Test for Lectureship in the subject “**Computer Science and Application**” on 2005-2006.
- ✓ **GATE Qualified** during 2003 (81-percentile)
- ✓ Secured 85 percentile in **NIIT’s** National Level Aptitude Test for IT in the year 2004.
- ✓ **College 2nd Rank in II- semester ME (CSE)** at **Government College of Engineering (Anna University) Tirunelveli-7**.
- ✓ Member of Event Management committee, **PHREAK08**
- ✓ Organizing In charge of Guest care committee in **ConfER 2008**
- ✓ Member of Event Management committee, **PHREAK’O.7**
- ✓ Organizing member of Guest care committee for **ObCom’2006**.

Ph.D. Thesis Title :

- ✓ Intelligent Trust based Secured Energy-Aware Protocols for Effective Routing in Mobile Wireless Sensor Networks (CEG Campus, Anna University, Chennai-25 in Full-Time mode during 2010-2014)

Personal Profile:

Name : Selvakumar. K
Father's Name : Kamalanathan .P
Sex : Male
Marital Status : Married
Nationality : Indian
Permanent Address : #12, Kovil Street, S.K Road, Azghapuri, Ambur.

DECLARATION

I hereby declare that the above-stated information is true to the best of my knowledge and belief.

Yours Truly
(Dr. SELVAKUMAR. K.)