



## PROFILE

### Personal Information

- a. Name : Dr.K.Amutha.,MCA.,M.Phil.,Ph.D.,  
b. Address for Correspondence (Res) : 13/19, Lakshmi Illam,  
Sakthi Nagar, Palayamkottai  
Tirunelveli-627011  
(Off) : Sri Sarada College for Women,  
Ariyakulam, Maharaja Nagar P.O.  
Tirunelveli-627011  
c. Date of Birth : 22-07-1983  
d. Sex : Female  
e. Nationality : Indian  
f. Marital Status : Married  
g. Mail Id : [amuthasivaraman83@gmail.com](mailto:amuthasivaraman83@gmail.com)

### Academic Qualifications

Degree of Examination	Name of the School/College / University	Date of		Subject	Class or Division Average Marks of Grade
		Entry	Exit		
S.S.L.C	Meenakshi Matriculation School, Tiruunelveli	1998	1999	-	First
H.S.C	Sarah Tucker Higher Secondary School, Tirunelveli	1999	2000	-	First
B.Sc	Sri Sarada College for Women, Tirunelveli	2000	2003	Computer Science	First
M.C.A	Manonmaniam Sundaranar University, Tirunelveli	2003	2006	Computer Applications	First
M.Phil	Manonmaniam Sundaranar University, Tirunelveli	2006	2007	Computer Applications	Second
Ph.D	Manonmaniam Sundaranar University, Tirunelveli	2018	2022	Computer Applications	-

### Title of the Ph.D Thesis:

Improving the Efficiency of Vehicle Authentication at Toll Gate Based on Circular Block Chain Technology

### Teaching Experience:

Assistant Professor in Department of Information Technology/Computer Applications/Computer Science from the year 2012 to Till date.

### Area of Specialization:

Network Security, Block chain Technology, Image Processing

### **Seminars, Conferences, Symposium, Workshop, etc. attended:**

- 1) On 31<sup>st</sup> August 2018 participated in the one Day National level Seminar “Python A Research Tool” organized by Department of Computer Science ,Sri Sarada College for Women, Tirunelveli.
- 2) On 7<sup>th</sup> September 2018 participated in an International Seminar on “Advanced Knowledge in InterDisciplinary Perspectives of Computational Mathematics-AKIPCM’ 18” organized by Department of Mathematics and Computer Science, Sri S.Ramasamy Naidu Memorial College, Sattur.
- 3) On 14<sup>th</sup> September 2018 presented a paper entitled on “Cryptography based data secure and retrieval for Decentralized networks in STN” in the International Conference on “Cyber security and E-Governance” organized by Department of Computer Science and Information Technology, Kodaikanal Christian College, Kodaikanal.
- 4) On 23<sup>rd</sup> February 2019, participated and presented a paper on the International conference on Recent Trends in advanced Computing and its applications held in Sri Sarada college for Women, Tirunelveli.
- 5) On 22<sup>nd</sup> and 23<sup>rd</sup> March 2019, participated and presented a paper on the International conference on Advanced Trends in Communications and Technology (ICTACT’19),which as held in Vivekananda college of Arts and science for women, Tiruchencode.
- 6) On 10<sup>th</sup> August 2019, Participated and presented a paper on the International conference on Soft Computing and optimizing techniques(ICSO’19) which was held in KamarajCollege, Thoothukudi.
- 7) On10<sup>th</sup> February participated in the One -Day State Level Workshop on Mobile App Development Organized by Dept of Computer Science held at Sadakathullah Appa College, Palayamkottai
- 8) On 6<sup>th</sup> and 7<sup>th</sup> March submitted a paper to the National Conference on Computer Science and Applications – NCCSA 2020, organized by the Department. of Computer Applications, Mepco Schlenk Engineering College (Autonomous), Sivakasi
- 9) On 5<sup>th</sup> May 2020 participated in the National Webinar on “Use of Elsevier Tools in Research Workflow” organized by the Department of Commerce, University of Madras, Chennai and Elsevier.
- 10) On 16<sup>th</sup> May 2020 participated in Mobile app technology, Organized by PG & Research Department of Computer Science at Sri Sarada college for Women, Tirunelveli
- 11) On 22 to 26<sup>th</sup> May 2020 participated in “5 days Online National FDP on “Artificial Intelligence” organized by Department of Information Technology, Anil Neerukonda Institute of Technology & Sciences in collaboration with Brain O Vision & National Youth Council of India
- 12) On 27<sup>th</sup> May 2020 participated in the National Level Online Webinar Programme on “IOT AND Its Applications” organized by the Department of Computer Science, SLS. MAVMM. Ayira Vaisyar College Madurai,
- 13) On 19<sup>th</sup> & 20<sup>th</sup> June2020 participated in Two-day National Level Online workshop on smart way to prepare thesis and get organized with gmail by South Gujarat Pradhyapak Pushtak Prakashan Sahkari Mandali Ltd, Surat, Gujarat.
- 14) Presented and participated a paper titled on “Online Toll System and Tracking of Vehicles Using RFID” in the “International E- Conference on Advances in Information Technology, Business Management and E-Commerce,” 4<sup>th</sup> and 5<sup>th</sup> July 2020 at The Quaide Milleth College for Men, Chennai, Tamil Nadu, India,Conference Journal ISBN: 978-93-5407-331-1.
- 15) On 18<sup>th</sup> And 19<sup>th</sup> August 2021 Participated and Passed In The National Level Cross Examine Program On Research Methodology Organized By The Internal Quality Assurance Cell (IQAC), The Madurai Diraviyam Thayumanavar Hindu College,

Tirunelveli, Tamil Nādu.

- 16) On 17<sup>th</sup> August 2021 Participated and Presented A Paper on Detailed Framework Of Blockchain Technology Architecture, Consensus, And Future Trends, In Proceedings Of International Virtual Conference On Scientific And Technological On Convergence Organized By Department Of Computer Science, Sri Sarada College For Women, Tirunelveli, ISBN- 978-81-951315-4-9
- 17) On 8<sup>th</sup> December 2021 Participated In The National Webinar Titled Lightweight Security For Iot Applications Using Cellular Automata & Ai Approach And Concepts, Organized By Department Of Computer Science, Aditanar College Of Arts & Science, Tiruchendur
- 18) On 10<sup>th</sup> December 2021 participated the Webinar On One Platform To Discover All Scholarly E-Journal Literature, Organized By Manonmaniam Sundaranar University And Informatics Publishing Limited, Bangalore.

### **List of Publications**

#### **International &UGC Listed Journals**

- 1) K. Amutha & Dr.V.Vallinayagi,2019, “Operation and Maintenance of Industry Using RFID”, Journal of Emerging Technologies and Innovative Research(JETIR) , vol-6 Issue-3, March 2019, pp 95-98, ISSN-2349-5162
- 2) K. Amutha & Dr.V.Vallinayagi,2019, “E-Security Through RFID”, International Journal of Computer Science and Engineering vol-7 Special Issue-8, April 2019, pp 75-78, E-ISSN:2347-2693
- 3) K. Amutha & Dr.V.Vallinayagi,2020, “Face Recognition And Detection Method With Image Based Security Access Control System” Web of Science International Journal of Future Generation Communication and Networking Vol. 13, No. 3, (2020), pp. 2101–2106, ISSN:2233-7857.
- 4) K. Amutha & Dr.V.Vallinayagi,2021, “Automatic Toll Verification Using Rfid And Secure Authentication Based On Novel Hybrid Saferplus Algorithm in International Journal of Advanced Research in Engineering and Technology (IJARET) Scopus Indexed Journal, Volume 12, Issue 2, February 2021, pp.767-775.
- 5) K. Amutha & Dr.V. Vallinayagi, 2021, “Systematization of Knowledge of Used Cryptographic Functions in Block Chain” Design Engineering, Volume 2021. No.Issue 8, (2021), pp. 1769-1774.

#### **Patent Published:**

1. Name of the Patent Title:  
“Smart Devices To Automatically Detect the Strength of Buildings and Land During the Construction of Multistorey Buildings” (Application no: 202241022416A) - Published in the date 29.04.2022
2. “Machine Learning Based Approach To Study the Ayurvedic Medicinal Plants  
“- Filed

#### **Declaration:**

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

Place:Tirunelveli

Date: 26.11.2022



**(Signature with Name)**