Name: K. SIVASANKARI	Photo

Designation:	ASSOCIATE PROFESSOR

Qualification:	M. E

Area of specialization:	WIRELESS TECHNOLOGIES

Experience:	Industrial Experience	Teaching Experience
	2.4	13.9

Number of workshops / FDP attended:	Number of Workshops	Number of FDPs
	5	10

Publications:	Conference		Journal	
	National	International	National	International
	4	2	7	-

Books / Book Chapters	1 Book Chapter	

Patents:	National	International
	3	-

Professional Body Membership	3

Staff Achievements	
	•
	•

Educational Qualifications:

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks/ Grades obtained	Class obtained
UG	B. E	ECE	2006	Kamaraj College of Engg & Tech	Anna University	81 %	FWD
PG	M. E	Wireless Technologies	2008	Thiagarajar College of Engg.	Anna University	9.44	FWD
PhD							

Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Sai Ram Institute of Technology	Assistant Professor	01.06.2012	Till date	13	9	-

Workshops/Seminars attended:

1. "Wavelet and Sparse Signal Representation – Research Focus" on September 2011 at Thiagarajar College of Engineering, Madurai.
2. "Emerging Trends and Future Perspective in Image Processing and Computer Vision" on 22nd & 23rd September, 2015 at Sairam Institute of Technology.
3. "How to write Research Papers for Refereed Journals" on 24th January 2015 at Sairam Institute of Technology.
4. "Digital Image Processing" on February 2005 at Kamaraj College of Engineering and Technology, Virudhunagar.
5. "Digital Signal Processing" on July 2005 at Kamaraj College of Engineering and Technology, Virudhunagar.
6. Attended one day Workshop on "REDHAT (open source) Technology & Industrial Adaptation", held during 2nd March 2018 at SSIT, Chennai

FDP/STTP Attended:
AICTE Approved NPTEL FDP
1.Ethics in Engineering Practice
2. Teaching and Learning in General Programs: TALG
3. Technical Communication for Engineers
4. Accreditation And Outcome Based Learning
5. Interpersonal Skills
6. Emotional Intelligence
7. Outcome Based Pedagogic Principles for Effective Teaching

ATAL FDPS:
1. Internet of Things (IoT) - 28.08.2020
2. Artificial Intelligence -04.09.2020
3. Artificial Intelligence - 04.01.2021
4. Cyber Security - 18.01.2021
5. Advanced Computing (Supercomputing, AI, Quantum Computing - 24.10.2024

Others

1. "Electromagnetic Theory and Transmission lines" on 25th and 26th June 2015 at Sairam Institute of Technology.
2. "Computer Networks" on 6th to 13th January 2016 at Sairam Institute of Technology.
3. "Modern Teaching and Learning Methodologies for Competency Development" on 3rd and 4th May 2017 at Jeppiar Maamallan Engineering College".
4. "Digital Image Processing, RF & Embedded System" on 20th to 22nd June 2017 at Sree Sastha Institute of Technology.
5. "Crypt Analysis & Internet Security" on 27th and 29th 2016 at Sri Sairam Institute of echnology.
6. "Teaching Excellence in Engineering & Management Curriculam" on 20th and 21st June 2016 at Sri Sairam Engineering College.
7. "Engineering & Management Teaching Strategies for Excellence" on 29th and 30th December, 2014 at Sri Sairam Engineering College.
8. "Effective Coding Skills" on 28th May 2016 at Cognizant Technology Solutions.

Symposium Attended: Young Researcher's Symposium in ICVGIP 2024, IIIT Bangalore - Dec 13th to 15th 2024.

Conference Attended:

International Conference

1. "Microcontroller Based Anesthesia Injection Setup for Complex Surgeries" has been in published the International Conference on Contemporary Engineering and Technology – 2018" on 10th and 11th March 2018 at Prince Shri Vengateshwara Padmavathy Engineering College.

2. Efficient Energy and Radiation Management in Wireless Networks" has been published in the International Conference on Advanced Computing & Communication Systems on 6th and 7th January 2017 at Sri Eshwar College of Engineering.

3. A Novel Statistical Approach on Hybrid High Resolution Image Fusion Techniques" on August 13th & 14th, 2015 at Sairam Institute of Technology.

4. "Design of Automated Visual Inspection System" on December 2005 at Bannari   Amman   Institute of Technology, Sathyamangalam.

National Conference

1. Attended "Indian Conference on Computer Vision, Graphics and Image Processing" in IIIT Bangalore and presented a paper in Young Researcher's Symposium.

2. "IoT Based Online Examination Monitoring System", in the National Conference on Information and Communication Engineering on 21st April 2017 at Sri Sairam Institute of Technology.

3. "Microcontroller Based Anesthesia Injection Setup for Complex Surgeries" has been published in National Conference on Advanced Research and Innovations in Information and Communication Engineering on 7th March 2018 at Sri SairamInstitute of Technology.

4."Rotation invariant Classification using Three Image Based Photometric Stereo for Non Lambertian Surfaces" has been published in the Proceedings of National Conference held on February 2008 at SAINTGITS College of Engineering,Kottayam.

4. "Performance of Wavelets on Different Images in Image Compression using Set Partitioning in Hierarchical Trees" on 2006 at Kamaraj College of Engineering and Technology, Virudhunagar.

5. "Highlight Detection and Removal in Texture images using Photometric Stereo Method" in May 2008 at College of Engineering, Anna University, Chennai.

Patent:
1. A System for Providing Hardware Access Using a Virtual Machine Environment With a User Authentication - 2021-07-16

2. A device and method for generating meteorological data on basis of image processing and machine learning - 2022-03-04

3. Wearable Safety Uniform for Miners - 2025-04-25

Journal Publications:

1. Valarmathi, G; Suganthi, SU; Sivasankari, K; "Efficient energy and radiation management in wireless networks", 4th International Conference on Advanced Computing and Communication Systems (ICACCS)", IEEE

2. Mrs.K.Sivasankari, Miss. K.Kowsalya, Miss. M.Manisha Harrini; "Microcontroller Based Anaesthesia Injection Setup for Complex Surgeries", International Journal of Science and Innovative Engineering and Technology.

3. Mrs. P.Rajeshwari, Mrs. K. Sivasankari, Mrs. S. Shobana; "A Novel Statistical Approach on Hybrid High Resolution Image Fusion Techniques", International Journal of Applied Engineering Research", Research India Publications.

4. Subashini, V; Janaki, R; Valarmathi, G; Suganthi, Su; Prabha, R; Sivasankari, K; Kavitha, S; "Survey on regression analysis of photoplethysmography using machine learning", Materials Today: Proceedings, Elsevier

5. MRS. K SIVASANKARI , C J. AKASH , M. DILLI GANESH, R. ARIKNESH SIJIN; "CNN BASED SKIN CANCER CELL DETECTION SYSTEM FROM DERMOSCOPIC IMAGES", Turkish Journal of Physiotherapy and Rehabilitation.

6. Chitra, V; Valarmathi, G; Sundararajan, M; Hema, R; Sivasankari, K;"Fabrication of Arsenic (III) Nano

Sensor After Optimising by Glassy Carbon Electrode", International Conference on Computer, Power and Communications (ICCPC)179-186, 2022, IEEE

7. Mrs. K. Siva sankari, Dr. B. Sathya Bama; "Literature Analysis on Three Dimensional Object Recognition using Deep Learning", International Journal of Scientific Research in Engineering and Management (IJSREM).

Books / Book Chapters:
Emerging Technologies in Engineering Research, Chapter 26 - Artificial Intelligence of Things - 978-93-5419-211-1, Dec 2020.

ON - LINE COURSES: NPTEL Courses and COURSERA Courses.
NPTEL COURSES
1. Principles of Digital Communications
2. Ethics in Engineering Practice
3. Teaching and Learning in General Programs: TALG
4. Principles of Communication Systems - I
5. Discrete Time Signal Processing
6. Machine Learning and Deep Learning - Fundamentals and Applications
7. Technical Communication for Engineers
8. Communication Networks
9. Accreditation And Outcome Based Learning
10. Digital Image Processing
11. Interpersonal Skills
12. Emotional Intelligence
13. Digital Circuits
14. Introduction to Programming in C
15. Outcome Based Pedagogic Principles for Effective Teaching

NITTTR Courses: All eight modules completed

Professional Membership: IEEE, ISTE, IETE