

<b>Name</b>	SIVASAKTHI T			
<b>Designation</b>	Associate Professor			
<b>Qualification</b>	B.E., M.E.,			
<b>Area of specialization</b>	RF and Photonics			
<b>Experience (As On Dec 2022)</b>	<b>Industrial Experience</b>		<b>Teaching Experience</b>	
	0		15 Years +	
<b>Number of workshop / FDP attended:</b>	<b>Number of Workshops</b>		<b>Number of FDPs</b>	
	02		03	
<b>Publications</b>	<b>Conference</b>		<b>Journal</b>	
	<b>National</b>	<b>International</b>	<b>National</b>	<b>International</b>
	-	8	-	11
<b>Professional Body Membership</b>	<ol style="list-style-type: none"> <li>1. ISTE(Life Member)</li> <li>2. IEEE (Senior Member)</li> <li>3. IEEE SPS Society Advisor</li> </ol>			
<b>Remarkable Activities</b>	<ol style="list-style-type: none"> <li>1. Completed Digital Transformation Course from Singapore Management University in 2022.</li> <li>2. Completed 3 ATAL FDP Courses.</li> <li>3. Completed 12 online courses through Coursera Platform.</li> <li>4. Completed 2 online courses Udemy Platform.</li> <li>5. Completed 6 NPTEL Courses.</li> <li>6. Organizing committee member of ATAL FDP “Artificial Intelligence for Robotics” held on 7.12.2020 – 11.12.2020.</li> <li>7. Conducted a session “NBA Tier II-Criteria -3” in the AICTE MARGDARSHAN- Faculty Development Programme on 20.12.2020.</li> <li>8. Conducted a session “NBA Tier II-Criteria -3” in the AICTE MARGDARSHAN- Faculty Development Programme on 3.12.2020.</li> <li>9. Mentor of SIH- Finalist Team.</li> <li>10. Mentor of Internship won team.</li> <li>11. Guide of Best Mini Project won team.</li> <li>12. Class Coordinator of Gold Medal won student in Anna University Exam.</li> <li>13. ATAL Mentor of Sathya Sai Matriculation School, Cuddalore District.</li> <li>14. Conducted a session “Micro Level Analysis of CO and PO Attainment with Particular Reference to Tier –I NBA Accreditation” at Sri Sairam Institute of Technology on 25th &amp; 26th May 2022.</li> <li>15. Completed one week UHV Course (Offline) 26<sup>th</sup> July 2022 to 30<sup>th</sup> July 2022.</li> <li>16. Completed one Short Term Course on FIBER OPTICS AND</li> </ol>			

	OPTOELECTRONICS TECHNOLOGY from 3.2.2022 to 8.2.2022		
<b>Workshop Attended</b>	High Frequency Design Using ADS	MIT	August/2017
	"Advances in Digital Image Processing & MATLAB".	Karpagam College of Engineering, Coimbatore	September/2009
<b>FDP Attended</b>	Advances in Non Linear Dynamics	VIT	June 2024
	Learning Analytics Tools	NPTEL	July-Oct 2024
	ISO 21001 Lead Auditor Training	The Knowledge Academy	July 2024
	Next Generation Photonic	Optiwave Systems	Nov 2024
	Ec6703- Embedded And Real Time Systems	SSEC	JUNE/2016
	Teaching Excellence In Engineering And Management Curriculum	SSEC	JUNE/2016
	Ec6303-Signals And Systems	MIT	JUNE/2011
	Research Methodology	B.S. Abdur Rahman Institute	May 2023
	Research Writing and Publication Process (Centre for Research & Training	Centre for Research & Training	Nov 2023
	UHV-II	SSEC	July 2022
	Digital Transformation Programme	Singapore Management University	June-Aug 2022
	NO CODE AND LOW CODE MACHINE	SSEC	Dec 2022
	Optical Wireless Communications	NPTEL	Jan-April 2023
	Inculcating Universal Human Values	AICTE	July 2021
FIBER OPTICS AND OPTOELECTRONICS TECHNOLOGY	IITDM	FEBRUARY/2022	
<b>Conference Publication</b>	Power Analysis of CMOS Family Using 90 & 45 Nanometers	IEEE Explore	2025
	Cardiac Signal Regeneration Using Regenerative AI	IEEE Explore	2025
	AI-Driven Braille Display for Visually Impaired Individuals	IEEE Explore	2025
	Design and Development of" RESCUBA" for Life Rescue Administration	IEEE Explore	2024
	An Enhanced Surveillance System for Gun and Knife Detection using YOLOv8 and Raspberry Pi	IEEE Explore	2024
	Fish biomass estimation based on	IEEE Explore	2023

	object detection using YOLOv7		
	Suspicious Activity Detecting Camera	IEEE Explore	2022
	Real-Time classification of Plankton species using Convolutional Neural Networks	IEEE Explore	2022
<b>Journal Publication</b>	Preparation of Cr-modified SnO <sub>2</sub> nanoparticles through hydrothermal method for enhanced methane sensing performance	Journal of Materials Science: Materials in Electronics	2025
	Enabling secure high-speed data transmission: Coherent chaotic optical communication with deep learning and electro-optic feedback	Yugoslav Journal of Operations Research	2024
	A Filterless Generation of Optical Millimeter Wave Signal Based on Frequency 16-Tupling Using Cascaded Polarization Modulators	IETE Journal of Research	2022
	Solvothermal synthesis of magnetically separable Co-ZnO nanowires for visible light driven photocatalytic applications	Physica B: Condensed Matter	2023
	A filter less method of generating frequency 32-tupling millimeter-wave using external modulators for green communications and its applications	Journal of Green Engineering	2020
	Radio over fiber based signal transport schemes for emerging mobile front haul networks--a review	Journal of Optical Communications	2020
	An efficient energy conservative protocol in wireless sensor network	Journal of Green Engineering	2020
	Cryptographic Based Secured Communication between Army Stations	UGC	2019
	Chaotic Dynamics of a Non-linear Electronic Circuit	International Journal of Recent Technology and Engineering (IJRTE)	2019
	Guiding System For Smart Shopping Of Visually Impaired People	Ilkogretim Online	2020
	Bird Repellent In Terrace	Elementary Education Online	2022
<b>Patent</b>	Title: Design and Development of [Product Name] - Type: Indian Patent - Nature: Product - Patent Number: 202341071373	Published	2023