


<b>Name:</b>	S.RAJALAKSHMI			
<b>Designation:</b>	Assistant Professor			
<b>Qualification:</b>	ME (Pursuing Ph D)			
<b>Area of specialization:</b>	COMPUTER and COMMUNICATION			
<b>Experience:(As On May2018)</b>	<b>Industrial Experience</b>		<b>Teaching Experience</b>	
	-		15Yrs 6 months	
<b>Number of workshop/FDP attended:</b>	<b>Number of Workshops</b>		<b>Number of FDPs</b>	
	11		25	
<b>Publications:</b>	<b>Conference</b>		<b>Journal</b>	
	<b>National</b>	<b>International</b>	<b>National</b>	<b>International</b>
	1	7	--	10
<b>Patents:</b>	<b>National</b>		<b>International</b>	
	1		-	
<b>Professional Body Membership:</b>	1.ISTE: LM131465 3.IAENG- 278115 5.IEEE:96437913	2.IEI:M-1707811 4.IETE:F-502792		
<b>Number of Online courses:</b>	28			
<b>Staff Achievements:</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> 100 Percent result in four subjects</li> <li><input type="checkbox"/> Published many papers in scopus indexed journal</li> <li><input type="checkbox"/> Organized a three days IEEE Sponsored workshop on Image Processing 2018</li> <li><input type="checkbox"/> Coordinator for Project Exhibition 2019</li> <li><input type="checkbox"/> NPTEL online certification courses.</li> <li><input type="checkbox"/> Co-ordinator for the webinar series for III ECE during May 2020</li> <li><input type="checkbox"/> NBA &amp; NAAC department Coordinator</li> <li><input type="checkbox"/> Consistent and Active mentor of <i>ATL Tinkerpreneur bootcamp2020-2021</i>.</li> <li><input type="checkbox"/> An <i>Award of honour and recognition</i> for publishing a book chapter in the record event “<b>maximum authors contributing for a book on covid 19 and its impact</b>” by ESN Publications</li> <li><input type="checkbox"/> Audited the departments for Accreditation related activities.</li> <li><input type="checkbox"/> Department Alumni Coordinator</li> </ul>			

<b>Events organized:</b>	<b>Sl. No.</b>	<b>Event</b>	<b>Co-ordinators</b>	<b>Month/Year</b>
	<b>1.</b>	Webinar on Digitization on Block chain in energy sector	Ms S. Rajalakshmi, Ms R.Chitra	15 <sup>th</sup> June, 2020
	<b>2.</b>	Webinar on working style of IT hub	Ms S. Rajalakshmi, Ms V Remya	17 <sup>th</sup> June, 2020
	<b>3.</b>	Webinar on Trends in Automotives	Ms S. Rajalakshmi, Ms R.Chitra	18 <sup>th</sup> June, 2020
	<b>4.</b>	Webinar on Web Development using Java	Ms S. Rajalakshmi, Ms V Remya	20 <sup>th</sup> June, 2020
	<b>5.</b>	Webinar on Introduction to Industry 4.0	Dr.S.Sumathi, Ms S Rajalakshmi	25 <sup>th</sup> July, 2020
	<b>6.</b>	Zenista2020symposium Coordinator	Ms.V.A.Velvizhi Ms S. Rajalakshmi,	8 <sup>th</sup> October, 2020
	<b>7.</b>	Event Judge in share your vision-ideas in symposium	Ms S Rajalakshmi	8 <sup>th</sup> October, 2020
	<b>8.</b>	Webinar on Senior talk	Dr.S.Sumathi, Ms S Rajalakshmi	3 <sup>rd</sup> December, 2020
	<b>9.</b>	PoetryRecitationon Nethaji Subhash chandrabose jayanthi	Ms S Rajalakshmi	23 <sup>rd</sup> January 2021
	<b>10.</b>	WebinaronAntenna Concepts & its applications to 5G	Ms.N.Nazeeya Anjum,Ms.V.Remya, Ms. S.Rajalakshmi, Ms.J.Sandhya	18 <sup>th</sup> March, 2021
	<b>11.</b>	AlumnitalkonArt of learning	Ms. S.Rajalakshmi, Ms.V.A.Velvizhi	21 <sup>st</sup> October 2021
	<b>12.</b>	SeminarOnAlumnitalkon Developing modern Applications in the Cloud	Ms.S.Rajalakshmi, Ms.V.A.Velvizhi	29 <sup>th</sup> October 2021
	<b>13.</b>	SeminarOnAlumnitalkon- Biomedical Engineering its past, present and future	Ms.S.Rajalakshmi, Ms.V.A.Velvizhi	8 <sup>th</sup> June 2022
	<b>14.</b>	Seminar On Alumni talk on Careergrowththroughsocial media	Ms.S.Rajalakshmi, Ms.V.A.Velvizhi	29 <sup>th</sup> September 2022
	<b>15.</b>	SeminarOnAlumnitalkon Personal Values	Ms. S.Rajalakshmi, Ms.V.A.Velvizhi	5 <sup>th</sup> November 2022
<b>16.</b>	SeminarOnAlumnitalkon Findyourpassion,Build your Career	Ms.S.Rajalakshmi, Ms.V.A.Velvizhi	17 <sup>th</sup> November 2022	

	<b>17</b>	Alumni Talk on ResumeBuilding	Ms.S.Rajalakshmi, Ms.V.A.Velvizhi	12th October 2023
	<b>18</b>	Alumni Talk on Navigating the path to an international business school	Ms.V.A.Velvizhi Ms.S.Rajalakshmi	27th August 2024
	<b>19</b>	Alumni Talk on The Next Four years Educate, Explore & Envision	Ms.S.Rajalakshmi, Ms.V.A.Velvizhi	9th september 2024
	<b>20</b>	Workshop on Edge intelligence Harness IOT Processors	Ms.S.Rajalakshmi	11th september 2025
	<b>21</b>	Essential Skill for a future in LTI Mindtree and the IT Industry	Ms.S.Rajalakshmi	30th october 2025

<b>Workshop Details:</b>	<b>Sl. No.</b>	<b>Title</b>	<b>Venue</b>	<b>Month/Year</b>
	<b>1</b>	Telecommunication & Wireless commn Networks	SSN,Chennai	2012
	<b>2</b>	Wireless Communication	MIT,Chennai	2013
	<b>3</b>	Tamil Kanitha Peravai	Tamil Virtual Academy,Anna university	2015
	<b>4</b>	Tamil Virtual		
	<b>5</b>	Staff Seminar on Recent Trends in Optical Fiber by RTTC, Chennai	Sri Sairam EngineeringCollege, West Tambaram	<b>2015</b>
	<b>6</b>	Industrial Visit	BSNL, Meenambakkam	2017
	<b>7</b>	Robotic System Design	Sri Sairam EngineeringCollege, West Tambaram	<b>2018</b>
	<b>8</b>	Antenna Design for Consumer Electronics using CST	Tesla Minds, Nandanam, Chennai	17 <sup>th</sup> to30 <sup>th</sup> April, 2021
	<b>9</b>	Webinar on Outcome Based Teaching Learning Process in Technical Education	NITTTR,Chennai	6 <sup>th</sup> May,2021
	<b>10</b>	Webinar on Canvas Tool for Better Education	VidyaJyothiInstitute ofTechnology, Hyderabad	15 <sup>th</sup> May,2021
	<b>11</b>	Faculty Industrial Training Program	Kasa Anlagen India Private Limited, Thirumudivakkam	13 <sup>th</sup> June to18 <sup>th</sup> June, 2022
	<b>12</b>	Webinar on Challenges and Opportunities in	PDH IEEE Continuing Education	13th September, 2022

		Beyond-5G and 6G Communication		
	<b>13</b>	Webinar on Machine Learning in Wireless Communication: 5G and Beyond	IETE Chennai Centre	9 th December, 2022
	<b>14</b>	Smart Antennas –The Design Perspective Using CST Studio Suite Software	S.A. Engineering College, Chennai	9 th to 10th October, 2023
	<b>15</b>	Antenna Fabrication and Testing	B S Abdur Rahman Crescent Institute of Science and Technology, Chennai	4 th February, 2025
	<b>16</b>	Smart Antennas Design through CST Software	S.A. Engineering College, Chennai	6 th to 10th October, 2025
<b>FDP Details:</b>	<b>Sl. No.</b>	<b>Title</b>	<b>Venue</b>	<b>Month/Year</b>
	<b>1</b>	Teaching Excellence in Engineering and Management Curriculum	Sri Sai Ram Institute of Management Studies, Chennai	20 <sup>th</sup> &21 <sup>st</sup> June, 2016
	<b>2</b>	Engineering Teaching Pedagogy and Effective Learning Process		3 <sup>rd</sup> to7 <sup>th</sup> Dec, 2018
	<b>3</b>	Outcome based pedagogy	IIT, PALS	31 <sup>st</sup> to15 <sup>th</sup> November2018
	<b>4</b>	FDP on cloud computing	Sri Sairam Engg College, Chennai	22 <sup>nd</sup> March, 2019
	<b>5</b>	FDP on Outcome based education	IQAC Cell	5 <sup>th</sup> April2019

<b>6</b>	Entrepreneurship career development program	Sri Sai Ram Institute of Management Studies, Chennai	8 <sup>th</sup> to12 <sup>th</sup> April, 2018
<b>7</b>	Staff Seminar on Recent Trends in Optical Fiber by RTTC, Chennai	Sri Sairam Engineering College, West Tambaram	10 <sup>th</sup> December, 2018
<b>8</b>	STTP on Research area in Smart Antenna design for Cube sat applications	Sri Sairam Institute of Technology, Chennai	31 <sup>st</sup> octto6 <sup>th</sup> Nov, 2019
<b>9</b>	Recent trends in Information, Computing, Communication, Teaching Methodology competency	Sri Sairam Engineering College, West Tambaram	4 <sup>th</sup> to17 <sup>th</sup> May 2020
<b>10</b>	Wearable Devices	AICTE Training and Learning (ATAL) Academy - Kongu Engineering College	14 <sup>th</sup> to18 <sup>th</sup> Sep 2020
<b>11</b>	Control Systems & Sensors Technology	Gayatri Vidya Parishad College for Degree and PG courses	2 <sup>nd</sup> to 6 <sup>th</sup> Nov2020
<b>12</b>	STTP on Recent Emerging Trends in Wireless Commn using IoT	Vidya Jyothi Institute of Tech (Autonomous) Sponsored by AICTE	9 <sup>th</sup> to16 <sup>th</sup> Nov2020
<b>13</b>	Wearable Devices	AICTE Training And Learning (ATAL) Academy – Karunya Institute of Science and Technology	30 <sup>th</sup> Novto4 <sup>th</sup> Dec 2020
<b>14</b>	Research Methodology	AICTE Training And Learning (ATAL) Academy – IIIT Dharwad.	7 <sup>th</sup> Decto11 <sup>th</sup> Dec 2020
<b>15</b>	STTP on “Evolution of RF Electro magnetics from Microwave to mm Wave Technologies”	CoE- CNDS Veermata Jijabai Technological Institute (VJTI), Mumbai.	19 <sup>th</sup> to23 <sup>rd</sup> Dec 2020
<b>16</b>	FDP on “Machine Learning Techniques for Imaging and Healthcare with Python”	Sri Sairam Engineering College/ ICE Dept (AICTE Sponsored)	28 <sup>th</sup> Janto10 <sup>th</sup> Feb 2021
<b>17</b>	Inculcating Universal Human values in Technical education	AICTE	17 <sup>th</sup> to21 <sup>st</sup> May 2021

	18	Recent Advances in Antennas for Wireless Communications	Bapatla Engineering College, Andhra Pradesh	27 <sup>th</sup> to31 <sup>st</sup> July 2021
	19	Microwave Engineering	Faculty Training Centre, GCT Coimbatore	2 <sup>nd</sup> to6 <sup>th</sup> August 2021
	20	Advanced Communication Systems- A Research Perspective	AICTE Training And Learning(ATAL) Academy–College of Engg, Karunagapally	9 <sup>th</sup> to13 <sup>th</sup> August 2021
	21	RF Energy harvesting Antenna Design for Wireless Body Area Networks: Design, Development, and Challenges	AICTE Training And Learning (ATAL) Academy–Sri Vasavi Engineering College, Andhra Pradesh	23 <sup>rd</sup> to27 <sup>th</sup> August 2021
	22	Module 1: Orientation Towards Technical Education and Curriculum Aspects	NITTTR	September2021
	23	Module2:Professional Ethics	NITTTR	July 2022
	24	Module 5: Student Assessment and Evaluation	NITTTR	July 2022
	25	Module 6: Technology Enabled learning and life-long self learning	NITTTR	July 2022
	26	Principles of Communication Systems - I	NPTEL	April 2024
	27	Simulation of Communication Systems Using MATLAB	NPTEL	Oct 2024
	28	Effective Engineering Teaching In Practice	NPTEL	Feb 2025
<b>Online Certificate</b>	<b>Sl. No.</b>	<b>Title</b>	<b>Certification Authority</b>	<b>Month/Year</b>
	1	Antennas	IIT Mumbai (NPTEL)	Jan-Apr 2018
	2	Go from zero to hero in python3	Udemy	11.11.2019
	3	AI For Everyone	deeplearning.ai	15.05.2020
	4	Introduction to the Internet of Things and Embedded Systems	University of California, Irvine	14.05.2020
	5	Introduction to Machine Learning	Duke University	17.05.2020
	6	Machine Learning Foundations :A Case Study Approach	University of Washington	29.05.2020

7	Learning how to learn	UC master university	1.6.2020
8	Neural N/w & Deep Learning	deeplearning.ai	14.05.2020
9	Introduction to Virtual Reality	University of London	25.8.2020
10	Material Science	UC Davis	15.6.20
11	Image compression and k-means clustering	Project network	25.8.20
12	Create your first python	Project network	28.6.20
13	Psychology	University of north carolina	2.7.20
14	Support vector machine classification	Project network	25.8.20
15	The SDG – A global, transdisciplinary vision for the future	University of Copenhagen	28.06.2020
16	Introduction to Artificial Intelligence	Simplilearn	02.04.2020
17	Foundational Artificial Intelligence	Skillup online	13.04.2020
18	India's First Leadership Talk Series Session	MHRD's Innovation Cell	23.05.2020
19	Robotic Process Automation	GUVI- UI path	01.06.2020
20	Patent Act, Drafting, Filing system and challenges in India	RMD Engineering College	10.06.2020
21	AI for Everyone: Master the Basics	edx	04.07.2020
22	"Antenna Design for Consumer Electronics using CST"	Tesla Minds	17.4.2021 to 30.4. 2021
23	Millimeter Wave Technology	IIT Madras (NPTEL)	Jul-Sep2021 (12 weeks)
24	Fundamentals of MIMO Wireless Communication	IIT Kharagpur (NPTEL)	Jan-Mar 2022
25	Arduino	Spoken Tutorial Project, IIT Bombay	3 <sup>rd</sup> June, 2022
26	Digital Circuits	IIT Kharagpur (NPTEL)	Jul-Sep2022 (12 weeks)
27	Key note session on AI &	IC3IOT	11 <sup>th</sup> march 2022

		IOT new revolution		
	28	Key note session on Wearable Health Tech for cancer supportive care	IC3IOT	11 <sup>th</sup> march2022
	29	Principles of Communication Systems - I	NPTEL	April 2024
	30	Simulation of Communication Systems Using MATLAB	NPTEL	Oct 2024
	31	Effective Engineering Teaching In Practice	NPTEL	Feb 2025
	32	Ethics in Engineering Practice	NPTEL	Apr 2025
	33	NATE	NPTEL	Apr 2025
	34	Development Research Methods	NPTEL	Aug - Oct 2025
	35	Patent Drafting for Beginners	NPTEL	Feb 2025
<b>Conference Details:</b>	Sl. No.	Title	Venue	Month/Year
	1	Published and presented a paper titled "Mapping of 40 MHz MIMO SDM – OFDM base band processing on multiprocessor SDR platform" in National Conference on Biomedical Electronics and Biomedical Informatics	Sri Sai Ram Engineering College	February/2009
	2.	Published and presented a paper titled "Mapping of 40 MHz MIMO SDM – OFDM base band processing on multiprocessor SDR platform" in International Conference on Innovative Computing, Information and Communication Technology, ICICT 09"	Sri Sai Ram Engineering College	December/2009
	3.	Published and presented a paper titled "Extraction and analysis of Transabdominal fetal heart rate by NIR photoplethysmography" in International Conference on Recent trends in Engineering Science and Management	Jawaharlal Nehru University, NewDelhi	March2015

	4.	Published and presented a paper titled “Automatic Energy meter reading and load control system using Zigbee” in International Conference on Engineering innovations and solutions ICEIS 2016	CMS College of Engineering in Association with Seventh sense Research group	April 2016
	5.	Published and presented a paper titled “Secure Monitoring System” in International Conference	Sri Sai Ram Engineering College	2018
	6.	Published & presented a paper titled “Wearable patch antenna for GPS Applications” in 2022 International Conference on Communication, Computing and Internet of Things (IC3IoT-2022)	Sri Sairam Engineering College IEEE Xplorer ( <i>scopus indexed</i> )	10 <sup>th</sup> & 11 <sup>th</sup> March, 2022 DOI: 10.1109/IC3IOT53 935.2022.9767881
	7.	Published & presented a paper titled “Ventilator using Arduino with blood oxygen sensor” in 2022 International Conference on Communication, Computing and Internet of Things (IC3IoT-2022)	Sri Sairam Engineering College IEEE Xplorer ( <i>scopus indexed</i> )	10 <sup>th</sup> & 11 <sup>th</sup> March, 2022 DOI: 10.1109/IC3IOT53 935.2022.9767881
	8.	Smart Walking Cane for Navigation of Visually Impaired Remya V, Subramani S, Gokulnaath M, Sibiraj T, Priyan T, Rajalakshmi S	<i>First international Conference on Intelligent Computing and Control for Engineering and Business Systems (ICCEBS-2023) at Sri Sai Ram Engineering College, Chennai. IEEE Xplorer (scopus indexed) eid: 2-s2.0-8518918089</i>	14th and 15th December, 2023 isbn: 9798350394580
	9.	Design and Development of IOT Based Intelligent farming system S. Rajalakshmi, Dhanush Koodi M, Rishabh B, Monish Babu T, V. Remya DOI:	<i>First international Conference on Intelligent Computing and Control for Engineering and Business Systems (ICCEBS-2023) at Sri</i>	14th and 15th December, 2023 isbn: 9798350394580

		10.1109/ICCEBS58601.2023.1044 8692	<i>Sai Ram Engineering College, Chennai. IEEE Xplorer (scopus indexed) eid: 2-s2.0-85189184722</i>	
	10.	Artificial Intelligence Based Trolley For Visually Impaired People  Usha S, Rajalakshmi S , M Kanthimathi, Remya V DOI: 10.1109/ICCEBS58601.2023.10449203	<i>First international Conference on Intelligent Computing and Control for Engineering and Business Systems (ICCEBS-2023) at Sri Sai Ram Engineering College, Chennai. IEEE Xplorer (scopus indexed) eid: 2-s2.0-85189149858</i>	14th and 15th December, 2023  isbn: 9798350394580
	11.	Design of Microstrip Patch Antenna as Communication Relay for Disaster Management V Remya, S Jayamaran, MS Jeyamurugan, S Rajalakshmi, P Ganesh, M Kanthimathi DOI: 10.1109/IC3IoT60841.2024.10550421	<i>2024 International Conference on Communication, Computing and Internet of Things (IC3IoT-2024) at Sri Sai Ram Engineering College, Chennai. IEEE Xplorer (scopus indexed) eid: 2-s2.0-85196706513</i>	17th and 18th April, 2024 isbn: 9798350352689

<b>Journal Details:</b>	<b>Sl. No.</b>	<b>Title</b>	<b>JournalName</b>	<b>Volume/Date</b>
	1.	Automatic Energy meter Reading and load control System using Zigbee	International Journal of Engineering research in Electronics & Commn Engineering	Volume3,issue6 June 2016
	2.	Extraction and analysis of Trans abdominal fetal heart Rate by NIR photoplrrhythmography	International Journal of Electronics and Electrical Engineers	IJEEE,Vol07, Issue01-ISSN-2321-2055(E)
	3.	AUTOMATED PILL MONITOR FOR DIABETIC AND CARDIAC PATIENTS	International Journal of Research and Analytical Reviews(IJRAR)	E-ISSN2348-1269,P-ISSN 2349-5138 2019IJRAR Volume6,Issue2 May2019,
	4.	ONLINE BASED VOTING SYSTEM	International Journal of Research and Analytical Reviews(IJRAR)	(E-ISSN2348-1269,P-ISSN 2349-5138 Volume6,Issue2 May2019,
	5.	Prescription Detail, Medical Parameter Monitoring And Alert Using QR Code System	International Journal of Research and Analytical Reviews (IJRAR)	E-ISSN2348-1269,P-ISSN 2349-5138 Volume6,Issue2 May2019,
	6.	System Design Of Knee Motion Sensor To Prevent Acl Injuries	International Journal of Research and Analytical Reviews(IJRAR)	(E-ISSN2348-1269,P-ISSN 2349-5138)Volume 6, Issue2May2019,
	7.	Predictable FPGA Execution for Attentional Affirmation in Multi-Speaker Condition	International Journal Of Recent Technology And Engineering (IJRTE)	ISSN:2277-3878, Volume-8Issue-4, November 2019
	8.	Strong Multiplier Structure Execution on FPGA WithV ariable Latency	TEST Engineering and Management	ISSN:0193-4120Page No. 2844–2848, January2020
	9.	Mutil-Objective Optimization–A Topsis Approach For Of Edm Machining Of Biomaterials	International Journal - European Journal of Molecular & Clinical Medicine	ISSN2515-8260 Volume07,Issue 3,December 2020 Indexedby Scopus
	10.	Development of RFID Tag Antenna With Graphene Material Using Deep Learning	ICDMME-2021 Journal of Physics: Conference Series	2272(2022) 012012 IOP Publishing doi:10.1088/1742-6596/2272/1/01201

	<b>11.</b>	Design and Simulation of Archimedean Spiral Antenna for Radiometric Measurements in Medical Applications S. Rajalakshmi, V. Remya, M. Kanthimathi <a href="https://doi.org/10.52783/tjpt.v45.i01.4288">https://doi.org/10.52783/tjpt.v45.i01.4288</a>	TuijinJishu /Journal of Propulsion Technology	ISSN: 1001-4055 Vol. 45 No. 1 (2024) Page No: 1708 - 1712
	<b>12.</b>	ViTU-net: A hybrid deep learning model with patch-based LSB approach for medical image watermarking and authentication using a hybrid metaheuristic algorithm V. Nanammal, S. Rajalakshmi, V. Remya, S. Ranjith <a href="https://doi.org/10.1016/j.cmpbiomed.2025.110393">https://doi.org/10.1016/j.cmpbiomed.2025.110393</a>	Computers in Biology and Medicine (SCIE)	ISSN: 0010-4825 Volume 194, August 2025, 110393
<b>Book Chapter:</b>	<b>Sl. No.</b>	<b>Title</b>	<b>Name/Year of Publications</b>	<b>Edition/ISBN</b>
	<b>1</b>	Neurorobotics: Are view from vision to action (ROBOTICS AND AUTOMATION page:124- 129)	ESN Publications/ February 2021	First Edition: 2021/978-93-90781-09-6
	<b>2.</b>	Flexible Devices (Recent Trends in Engineering And Technology)(page:28-36)	Sri Sai Raj Printers/ April 2021	978-819-47-1498-9
<b>Patent Details:</b>	<b>Sl. No.</b>	<b>Title</b>	<b>Journal Name</b>	<b>Volume/Date</b>
	<b>1</b>	A PEDAL POWERED FOLDABLE BICYCLE FOR ENHANCED MOBILITY	Official Journal of The Patent Office	Issue No. 41/2020/ 09.10.2020
	<b>2</b>	ARTIFICIAL INTELLIGENCE ENABLED DEVICE FOR ENHANCING COMPUTER NETWORK SAFTEY	Official Journal of The Patent Office	13.12.2024