


<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>		
	-	13 Yrs 3 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	6	--	10
<b>Patents:</b>	<b>National</b>		<b>International</b>	
	1		-	
<b>Professional Body Membership:</b>	1. ISTE: LM131465    2. IEI: M-1707811 3. IAENG – 278115    4. IETE: F- 502792 5. IEEE: 96437913 (Antenna Society)			
<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 one paper 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 for the the subject ANTENNAS during Jan-Apr18</li> <li><input type="checkbox"/> One of the 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"/> 225 Consistent and Active mentor of <i>ATL Tinkerpreneur bootcamp 2020-2021</i>.</li> <li><input type="checkbox"/> An <i>Award of honour and recognition</i> for publishing a bookchapter 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"/> 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>	Zenista 2020 symposium 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>	Poetry Recitation on Nethaji Subhash chandrabose jayanthi	Ms S Rajalakshmi	23 <sup>rd</sup> January 2021
	<b>10.</b>	Webinar on Antenna 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>	Alumni talk on Art of learning	Ms. S.Rajalakshmi, Ms.V.A.Velvizhi	21 <sup>st</sup> October 2021
	<b>12.</b>	Seminar On Alumni talk on Developing modern Applications in the Cloud	Ms. S.Rajalakshmi, Ms.V.A.Velvizhi	29 <sup>th</sup> October 2021
	<b>13.</b>	Seminar On Alumni talk on - 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 Career growth through social media	Ms. S.Rajalakshmi, Ms.V.A.Velvizhi	29 <sup>th</sup> September 2022
	<b>15.</b>	Seminar On Alumni talk on Personal Values	Ms. S.Rajalakshmi, Ms.V.A.Velvizhi	5 <sup>th</sup> November 2022
<b>16.</b>	Seminar On Alumni talk on Find your passion, Build your Career	Ms. S.Rajalakshmi, Ms.V.A.Velvizhi	17 <sup>th</sup> November 2022	

<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 Engineering College, West Tambaram	<b>2015</b>
	<b>6</b>	Industrial Visit	BSNL, Meenambakkam	2017
	<b>7</b>	Robotic System Design	Sri Sairam Engineering College, West Tambaram	<b>2018</b>
	<b>8</b>	Antenna Design for Consumer Electronics using CST	Tesla Minds, Nandanam, Chennai	17 <sup>th</sup> to 30 <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	Vidya Jyothi Institute of Technology, 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 to 18 <sup>th</sup> June, 2022
<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> to 7 <sup>th</sup> Dec, 2018
	<b>3</b>	Outcome based pedagogy	IIT, PALS	31 <sup>st</sup> to 15 <sup>th</sup> November 2018
	<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> April 2019	

	<b>6</b>	Entrepreneurship career development program	Sri Sai Ram Institute of Management Studies, Chennai	8 <sup>th</sup> to 12 <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 cubesat applications	Sri Sairam Institute of Technology, Chennai	31 <sup>st</sup> oct to 6 <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> to 17 <sup>th</sup> May 2020
	<b>10</b>	Wearable Devices	AICTE Training And Learning (ATAL) Academy - Kongu Engineering College	14 <sup>th</sup> to 18 <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> Nov 2020
	<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> to 16 <sup>th</sup> Nov 2020
	<b>13</b>	Wearable Devices	AICTE Training And Learning (ATAL) Academy – Karunya Institute of Science and Technology	30 <sup>th</sup> Nov to 4 <sup>th</sup> Dec 2020
	<b>14</b>	Research Methodology	AICTE Training And Learning (ATAL) Academy – IIIT Dharwad.	7 <sup>th</sup> Dec to 11 <sup>th</sup> Dec 2020
	<b>15</b>	STTP on “Evolution of RF Electromagnetics from Microwave to mmWave Technologies”	CoE-CNDS Veermata Jijabai Technological Institute (VJTI), Mumbai.	19 <sup>th</sup> to 23 <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> Jan to 10 <sup>th</sup> Feb 2021
	<b>17</b>	Inculcating Universal Human values in Technical education	AICTE	17 <sup>th</sup> to 21 <sup>st</sup> May 2021

	18	Recent Advances in Antennas for Wireless Communications	Bapatla Engineering College, Andhra Pradesh	27 <sup>th</sup> to 31 <sup>st</sup> July 2021
	19	Microwave Engineering	Faculty Training Centre, GCT Coimbatore	2 <sup>nd</sup> to 6 <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> to 13 <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> to 27 <sup>th</sup> August 2021
	22	Module 1: Orientation Towards Technical Education and Curriculum Aspects	NITTTR	September 2021
	23	Module 2: Professional Ethics and	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
<b>Online Certificate</b>	<b>Sl. No.</b>	<b>Title</b>	<b>Certification Authority</b>	<b>Month/Year</b>
	<b>1</b>	Antennas	IIT Mumbai (NPTEL)	Jan-Apr 2018
	<b>2</b>	Go from zero to hero in python3	Udemy	11.11.2019
	<b>3</b>	AI For Everyone	deeplearning.ai	15.05.2020
	<b>4</b>	Introduction to the Internet of Things and Embedded Systems	University of California, Irvine	14.05.2020
	<b>5</b>	Introduction to Machine Learning	Duke University	17.05.2020
	<b>6</b>	Machine Learning Foundations: A Case Study Approach	University of Washington	29.05.2020
	<b>7</b>	Learning how to learn	UC master university	1.6.2020
	<b>8</b>	Neural N/w & Deep Learning	deeplearning.ai	14.05.2020

	<b>9</b>	Introduction to Virtual Reality	University of London	25.8.2020
	<b>10</b>	Material Science	UC Davis	15.6.20
	<b>11</b>	Image compression and k-means clustering	Project network	25.8.20
	<b>12</b>	create your first python	Project network	28.6.20
	<b>13</b>	Psychology	University of north carolina	2.7.20
	<b>14</b>	support vector machine classification	Project network	25.8.20
	<b>15</b>	The SDG – A global, transdisciplinary vision for the future	University of Copenhagen	28.06.2020
	<b>16</b>	Introduction to Artificial Intelligence	Simplilearn	02.04.2020
	<b>17</b>	Foundational Artificial Intelligence	Skillup online	13.04.2020
	<b>18</b>	India's First Leadership Talk Series Session	MHRD's Innovation Cell	23.05.2020
	<b>19</b>	Robotic Process Automation	GUVI - UI path	01.06.2020
	<b>20</b>	Patent Act, Drafting, Filing system and challenges in India	RMD Engineering College	10.06.2020
	<b>21</b>	AI for Everyone: Master the Basics	edx	04.07.2020
	<b>22</b>	"Antenna Design for Consumer Electronics using CST"	Tesla Minds	17.4.2021 to 30.4. 2021
	<b>23</b>	Millimeter Wave Technology	IIT Madras (NPTEL)	Jul-Sep 2021 (12 weeks)
	<b>24</b>	Fundamentals of MIMO Wireless Communication	IIT Kharagpur (NPTEL)	Jan-Mar 2022 (8 weeks)
	<b>25</b>	Arduino	Spoken Tutorial Project, IIT Bombay	3 <sup>rd</sup> June, 2022
	<b>26</b>	Digital Circuits	IIT Kharagpur (NPTEL)	Jul-Sep 2022 (12 weeks)
	<b>27</b>	keynote session on <b>AI &amp; IOT new revolution</b>	IC3IOT	11 <sup>th</sup> march 2022
	<b>28</b>	keynote session on <b>Wearable Health Tech for cancer supportive care</b>	IC3IOT	11 <sup>th</sup> march 2022

Conference Details:	Sl. No.	Title	Venue	Month/Year
	1	Published and presented a paper titled “ <b>Mapping of 40 MHz MIMO SDM – OFDM base band processing on multiprocessor SDR platform</b> ” in National Conference on Biomedical Electronics and Biomedical Informatics	Sri Sai Ram Engineering College	February / 2009
	2.	Published and presented a paper titled “ <b>Mapping of 40 MHz MIMO SDM – OFDM base band processing on multiprocessor SDR platform</b> ” 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 “ <b>Extraction and analysis of Transabdominal detal heart rate by NIR photoplrthysmography</b> ” in International Conference on Recent trends in Engineering Science and Management	Jawaharlal Nehru University, New Delhi	March 2015
	4.	Published and presented a paper titled “ <b>Automatic Energy meter reading and load control system using Zigbee</b> ” 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 “ <b>Secure Monitoring System</b> ” in International Conference	Sri Sai Ram Engineering College	2018

	6.	Published & presented a paper titled “ <b>Wearable patch antenna for GPS Applications</b> ” in 2022 International Conference on Communication, Computing and Internet of Things (IC3IoT-2022)	Sri Sairam Engineering College IEEE Xplorer ( <i>scopus indexed</i> )	10th & 11th March, 2022 DOI: 10.1109/IC3IOT53935.2022.9767881
	6.	Published & presented a paper titled “ <b>Ventilator using Arduino with blood oxygen sensor</b> ” in 2022 International Conference on Communication, Computing and Internet of Things (IC3IoT-2022)	Sri Sairam Engineering College IEEE Xplorer ( <i>scopus indexed</i> )	10th & 11th March, 2022 DOI: 10.1109/IC3IOT53935.2022.9767881

<b>Journal Details:</b>	<b>Sl. No.</b>	<b>Title</b>	<b>Journal Name</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	Volume 3, issue 6 June 2016
	2.	Extraction and analysis of Transabdominal fetal heart rate by NIR photopltrhythmography	International Journal of Electronics and Electrical Engineers	IJEEE, Vol 07, Issue 01-ISSN-2321-2055(E)
	3.	AUTOMATED PILL MONITOR FOR DIABETIC AND CARDIAC PATIENTS	International Journal of Research and Analytical Reviews (IJRAR)	E-ISSN 2348-1269, P- ISSN 2349-5138 2019 IJAR Volume 6, Issue 2 May 2019,
	4.	ONLINE BASED VOTING SYSTEM	International Journal of Research and Analytical Reviews (IJRAR)	(E-ISSN 2348-1269, P- ISSN 2349-5138 Volume 6, Issue 2 May 2019,
	5.	Prescription Detail, Medical Parameter Monitoring And Alert Using QR Code System	International Journal of Research and Analytical Reviews (IJRAR)	E-ISSN 2348-1269, P- ISSN 2349-5138 Volume 6, Issue 2 May 2019,
	6.	System Design Of Knee Motion Sensor To Prevent Acl Injuries	International Journal of Research and Analytical Reviews (IJRAR)	(E-ISSN 2348-1269, P- ISSN 2349-



				5138)Volume 6, Issue 2 May 2019,
	7.	<b>Predictable FPGA Execution for Attentional Affirmation in Multi-Speaker Condition</b>	<b>International Journal of Recent Technology and Engineering (IJRTE)</b>	<b>ISSN: 2277-3878, Volume-8 Issue-4, November 2019</b>
	8.	<b>Strong Multiplier Structure Execution on FPGA With Variable Latency</b>	<b>TEST Engineering and Management</b>	<b>ISSN: 0193 - 4120 Page No. 2844 – 2848, January 2020</b>
	9.	<b>Mutil-Objective Optimization – A Topsis Approach For Of Edm Machining Of Biomaterials</b>	<b>International Journal - European Journal of Molecular &amp; Clinical Medicine</b>	<b>ISSN 2515-8260 Volume 07, Issue 3, December 2020 Indexed by Scopus</b>
	10.	<b>Development of RFID Tag Antenna With Graphene Material Using Deep Learning</b>	ICDMME-2021 Journal of Physics: Conference Series	2272 (2022) 012012 IOP Publishing doi:10.1088/1742-6596/2272/1/012012
<b>Book Chapter:</b>	<b>Sl. No.</b>	<b>Title</b>	<b>Name / Year of Publications</b>	<b>Edition/ISBN</b>
	1	Neurorobotics: A review from vision to action (ROBOTICS AND AUTOMATION page:124-129)	ESN Publications / February 2021	First Edition: 2021/ 978-93-90781-09-6
	2.	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>
	1	A PEDAL POWERED FOLDABLE BICYCLE FOR ENHANCED MOBILITY	Official Journal of The Patent Office	Issue No. 41/2020/ 09.10.2020