


<b>Name:</b>	 <b>LAKSHMI G</b>			
<b>Designation:</b>	<b>ASSISTANT PROFESSOR GRADE III</b>			
<b>Qualification:</b>	<b>M.E,(Ph.D)</b>			
<b>Area of specialization:</b>	<b>EMBEDDED SYSTEM TECHNOLOGIES</b>			
<b>Experience: (As of Aug 2021)</b>	<b>Industrial Experience</b>		<b>Teaching Experience</b>	
	-		<b>5 years 9 months</b>	
<b>Number of workshops / FDP attended:</b>	<b>Number of Workshops</b>		<b>Number of FDPs</b>	
	<b>12</b>		<b>23</b>	
<b>Publications:</b>	<b>Conference</b>		<b>Journal</b>	
	<b>National</b>	<b>International</b>	<b>National</b>	<b>International</b>
	<b>1</b>	<b>10</b>	<b>-</b>	<b>6</b>
<b>Patents:</b>	<b>National</b>		<b>International</b>	
	-		-	
<b>Professional Body Membership:</b>	<ol style="list-style-type: none"> <li>1. IEEE -Member Number-97927571</li> <li>2. IEEE Communication Society Member</li> <li>3. IEEE Photonics Society</li> <li>4. IEEE Computer Society</li> <li>5. IEEE Young Professional Member</li> <li>6. International Association of Engineers(IAENG)</li> </ol>			

	Member Number-225911			
<b>Staff Achievements:</b>	<ol style="list-style-type: none"> <li>1. Scored University Fourth Rank in PG (2016 Anna University)</li> <li>2. Organized and delivered a lecture for “Two days Hands-on Training on Domestic and Industrial System Automation using Proteus Software” from 05.06.2017 to 06.06.2017</li> <li>3. Organized and acted as a Resource person for “Two days Hands-on Training on Microcontroller based system design using Proteus Software” from 20.11.2017 to 21.11.2017.</li> <li>4. Organized Mini Project contest for second-year students in Saranathan College of Engineering on 06.02.2018.</li> <li>5. Obtained 100% result in the following subjects: Opto Electronic Devices, Digital Audio Engineering, Electronic Devices, Linear Integrated Circuits and Applications, Transmission Lines and RF systems</li> <li>6. No of completed NPTEL Courses: 3</li> <li>7. No of completed Online Courses: 4</li> <li>8. No of completed NITTTR courses: 6</li> <li>9. Successfully completed Participating in the Guinness World Record Event -Most users to take an online computer programming lesson in 24 hours on 24.04.2021, 6 PM to 25.04.2021, 6 PM</li> <li>10. Guided a project for visually impaired people, students participated in Innoculture Ideation Contest 2021(International level Contest) and won 300 USD as a prize amount.</li> <li>11. Successfully completed Python 3.4.3 test organized at Sri Sairam Engineering College with course material provided by the Spoken Tutorial Project, IIT Bombay.</li> </ol>			
<b>Workshop Details:</b>	<b>Sl. No.</b>	<b>Title</b>	<b>Venue</b>	<b>Month/Year</b>

1	Applications of Mathematical Models in Digital Image Processing	University College of Engineering, Dindigul.	30.09.2015
2	Image Processing for Biomedical Applications (IPBA-2016)	Amrita School of Engineering, Coimbatore.	16.12.2016-17.12.2016
3	10 Attributes of High Impact Teacher	Saranathan College of Engineering, Trichy. Association with ICT Academy.	10.08.2018-11.08.2018
4	Three days workshop on “Research and Development Activities”	Sri Sairam Engineering College, Chennai	28-12-2020 - 30-12-2020
5	Workshop on “Awareness on google tools for Teaching-Learning and Data Management”	Sri Sairam Engineering College, Chennai	23-01-2021
6	One day workshop on “ Orange data Mining Tool”	Sri Sairam Engineering College, Chennai	15-05-2021

	7	Workshop on “ Tinker your ideas to the next level”	Sri Sairam Engineering College, Chennai	22-05-2021
	8	Three days national level workshop on “Centroid of Engineering in AI & ML”	Sri Venkateswara College of Engineering, Chennai.	12-08-2021 - 14-08-2021
	9	IEEE sponsored Virtual hands-on training on “Data Science using R programming”	Sri Sairam Engineering College, Chennai	24.08.2021
	10	Two days virtual Workshop on “Art of Research”	Sri Sairam Engineering College, Chennai	23.08.2021 - 24.08.2021
	11	Two-day Awareness Workshop on Improving Research and Performance outcomes	Elsevier	31.08.2021 - 01.09.2021

	12	Two day workshop on “Advancements in Optical Communication & photonics design simulation using optiwave Photonic design and simulation Tools”	Vellore Institute of Technology, Chennai	06.12.2021 - 07.12.2021
<b>Seminar Details:</b>	<b>Sl. No.</b>	<b>Title</b>	<b>Venue</b>	<b>Month/Year</b>
	1	Model Development for Biological Anomaly Detection Using Immune Engineering Tools	Kongu Engineering College, Erode.	10.12.2015 - 11.12.2015
	2	Enhancing Quality Teaching Strategies through Outcome-Based Education	Kongu Engineering College, Erode.	02.03.2021 - 03.03.2021
	3	Outcome based Teaching learning process in Technical Education	National Institute of Technical Teachers Training and Research (NITTTR), Chennai	06.05.2021
	4	Digital Evolution in Higher education -Post Pandemic How Agility & Adaptability is Driving Innovative Teaching	IEEE Associated with EBSCO at Le Royal Meridien, Chennai	03.12.2021
	5	Research and Publication Writings and Tips	IEEE Madras Section Young Professionals	22.10.2022

	6	Awareness /Training Program-IPR	National Intellectual Property Awareness Mission (NIPAM), Government of India	20.10.2022
<b>FDP Details:</b>	<b>Sl. No.</b>	<b>Title</b>	<b>Venue</b>	<b>Month/Year</b>
	1	A One-day FDP on Pedagogic Communication	Saranathan College of Engineering, Trichy.	27.12.2016
	2	Seven days FDTP on EC6502- Principles of Digital Signal Processing	Government College of Engineering, Srirangam.	08.05.2017 - 15.05.2017
	3	Two days Faculty Development Program on “Embedded Systems Laboratory”	Saranathan College of Engineering, Trichy.	22.06.2017 - 23.06.2017
	4	Faculty Development program on “Frontiers in Microwaves”	Indian Institute of Technology, Madras	22.10.2018 - 27.10.2018
	5	Design Implementation of Deep Learning Cloud	SRM Institute of Science and Technology, Chennai.	13.11.2019 – 15.11.2019
	6	C Programming and Assembly Language	NPTEL	July – August, 2019
	7	Internet of Things (IoT)	Government College of Engineering, Srirangam.	11.05.2020 - 15.05.2020

	8	Artificial Intelligence on Robotics	Sri Sairam Engineering College, Chennai.	07.12.2020 - 11.12.2020
	9	Machine learning and its application in IoT	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology	04-01-2021 - 09-01-2021
	10	3-days online FDP Effective strategies to improve Mentor-Mentee Bonding	Easwari Engineering College	20-01-2021 - 22-01-2021.
	11	Artificial Intelligence, machine Learning and Deep Learning	Karpagam College of engineering	2-2-2021 - 6-2-2021
	12	FPGA based Digital system design with HDL (Phase 1)	Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College	25-01-2021 - 30-01-2021
	13	FPGA based Digital system design with HDL (Phase II)	Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College	08-02-2021 - 13-02-2021
	14	Optical Sensors	NPTEL-AICTE	Jan-Feb 2021
	15	Interactive and activity-oriented 3 day online FDP on “How Teachers can make a difference”	Velagapudi Ramakrishna Siddhartha Engineering College	15-04-2021 - 17-04-2021

	16	Inculcating Universal Human Values in Technical Education (An AICTE Initiative)	AICTE	03.05.2021 - 07.05.2021
	17	Practical Exposure on Fundamental Mathematics behind Machine learning	SRM Institute of Science and Technology, KTR campus	10.05.2021 - 13.05.2021
	18	ATAL FDP on “Cognitive Radio, Antennas & Millimeter wave Communication”	Saranathan College of Engineering	07.06.2021 - 11.06.2021
	19	Advances in photonics and Fiber optics Technologies	IETE Chennai centre & IEEE photonics society madras chapter	21.06.2021 - 22.06.2021
	20	Machine Learning Applications on Image Processing	AICTE Training and Learning (ATAL) Academy	17.01.2022- 21.01.2022
	21	Fiber Optics and Optoelectronics Technology	IITDM, Kancheepuram.	03.02.2022- 08.02.2022
	22	Image, Audio and Video Processing for Pattern Recognition	IEEE Signal Processing Society Madras Section.	23.06.2022- 28.06.2022



	23	Deep Learning and its Applications	ISTE, Sri Sairam Engineering College.	11.07.2022-15.07.2022
<b>Conference Details:</b>	<b>Sl. No.</b>	<b>Title</b>	<b>Venue</b>	<b>Month/Year</b>
	1	<p><b>Title:</b> Numerical Solution for Image Reconstruction in Diffuse Optical Tomography</p> <p><b>Conf Name:</b> IEEE Sponsored Online International Conference on Green Engineering and Technologies (IC-GET).</p>	Karpagam College of Engineering, Coimbatore.	27.11.2015
	2	<p><b>Title:</b> L/C/X triple band Compact Dipole Array Antenna for RADAR Application</p> <p><b>Conf Name:</b> First International Conference on Emerging Electrical Energy, Electronics and Computing Technologies 2019. (ICE4CT 2019)</p>	University Malaysia Perlis, NOVOTEL, Hotels& Residencies	29.10.2019-31.10.2019
	3	<p><b>Title:</b> Design of Helical Antenna for Ocean Application</p> <p><b>Conf Name:</b> National Conference on Cutting Edge Technologies on</p>	Saranathan College of Engineering, Trichy.	15.03.2019-16.03.2019

		Communication, Signal Processing and Networking. (NCCSN'19)		
	4	<p><b>Title:</b> Design and Implementation of Hemispherical Helical Antenna.</p> <p><b>Conf Name:</b> International Conference on Innovative Engineering Initiatives. (ICIEI-2019)</p>	SRM TRP Engineering College, Trichy	13.03.2019-14.03.2019
	5	<p><b>Title:</b> Triple band compact Dipole Array antenna for RADAR Application.</p> <p><b>Conf Name:</b> International Conference on Networks, Image and Security (ICNIS-2019)</p>	Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari.	10.04.2019-11.04.2019
	6	<p><b>Title:</b> AI-powered Digital Classroom</p> <p><b>Conf Name:</b> International Conference on Communication computing &amp; Internet of Things (IC3IoT-2022)</p>	Sri Sairam Engineering College, Chennai	10.03.2022-11.03.2022
	7	<p><b>Title:</b> Mapping the surface water using Convolution Neural Networks for Remote sensing Technology</p>	Sri Sairam Engineering College, Chennai	10.03.2022-11.03.2022

		<b>Conf Name:</b> International Conference on Communication computing & Internet of Things (IC3IoT-2022)		
	8	<b>Title:</b> Arduino based Universal Remote Controller for Infrared Appliances  <b>Conf Name:</b> The International Conference on Bio-Neuro Informatics and Algorithms (ICBNA-2022)	Symbiosis Institute of Digital and Telecom Management	21.06.2022 - 22.06.2022
	9	<b>Title:</b> Verification of Job Authenticity using Prediction of Online Employment Scam Model (POESM)  <b>Conf Name:</b> IEEE Technically sponsored First International Conference on Computational Science and Technology. (ICCST-2022)	Sri Sairam Engineering College, Chennai	09.11.2022- 10.11.2022
	10	<b>Title:</b> A Compact Medikit Health Monitoring Device  <b>Conf Name:</b> IEEE Technically sponsored First International Conference on Computational Science and Technology. (ICCST-2022)	Sri Sairam Engineering College, Chennai	09.11.2022- 10.11.2022

	11	<b>Title:</b> Realtime Pervasive Health Monitoring System  <b>Conf Name:</b> IEEE Technically Sponsored Third International Conference on Power, Energy, Control and transmission Systems 2022(ICPECTS 2022)	Sri Sairam Engineering College, Chennai	08.12.2022-09.12.2022
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<b>Journal Details:</b>	<b>Sl. No.</b>	<b>Title</b>	<b>Journal Name</b>	<b>Volume/Date</b>
	1	Numerical Solution for Image Reconstruction in Diffuse Optical Tomography	ARPJ Journal of Engineering Applied Sciences	Vol 11, no.2, January 2016.
	2	Performance Analysis of Reconstruction Algorithms in Diffuse Optical Tomography	World Academy of Science, Engineering and Technology International Journal of Computer and Information Engineering	Vol:10, No:1, 2016
	3	Design of patch Antenna for ISM band applications using CST microwave studio	International journal of management, Technology and Engineering	Vol:9, No.4, April 2019.
	4	Design and Implementation of Hemispherical Helical Antenna	International Compliance Engineering Journal	Vol:10, Issue:8, August 2019.

	5	Automatic Face Detection Security Lock	Journal of Scientific computing	Vol:10, Issue:8, August 2021
	6	RFID based parking system	Compliance Engineering Journal	Vol:12, Issue:8, 2021

<b>Patent Details:</b>	<b>Sl. No.</b>	<b>Title</b>	<b>Application Number</b>	<b>Application Status</b>
		1	CLOUD-BASED AUTOMATED 3D-LUNG CANCER SEGMENTATION AND DETECTION MODEL	202241032480