Name: S.Gayathri		
Designation:	Assistant Professor Gr - III	
Qualification:	M.Tech	
Area of specialization:	Applied Electronics	
Experience : (As On Nov 2022)	**Industrial Experience**	**Teaching Experience**
	-	12 years 11 Months
Number of workshop / FDP attended:	**Number of Workshops**	**Number of FDPs**
	6	15

Publications:	**Conference**		**Journal**	
	National	**International**	**National**	**International**
	3	7	2	5

Patents:	**National**	**International**
	2	-

Professional Body Membership:	IEEE, IAENG, ISTE			
Staff Achievements:	Class Coordinator Student Counselor			
Workshop Details:	**Sl. No.**	**Title**	**Venue**	**Month/Year**
	1	Embedded system design using PIC Microcontroller	Sathyabama university	2011
	2	Wireless sensor networks and its application	B S Abdur Rahman University	2012
	3.	Recents Trends in antennas for multifield applications	Sri Sai Ram Engineering College.	27 & 28 December-2012
	4.	Artificial intelligence and cognition	Panimalar Institute of Technology.	4 & 5 November 2015
	5.	Rapid Prototyping – IoT and Embedded system design	Sri Sai Ram Engineering College.	12 to 14 November 2018
	6.	Hands on training in SDR platform and IoT based wireless sensor networks	St.Joseph group of institutions.	25 &26 May 2018

FDP Details:	Sl. No.	Title	Venue	Month/Year
	1.	Faculty Development program	Bharath University	2012
	2.	Teaching excellence in Engineering and management curriculum	Sri SaiRam Institute of Management Studies	20 &21 June 2016
	3.	Python Programming	Sri Sai Ram Engineering College	30.10.2017 to 6.11. 2017
	4.	Engineering Teaching Pedagogy and Teaching Learning Process	Sri Sai Ram Engineering College	03.12.2018 to 07.12.2018
	5.	Robotics	Sri Sai Ram Engineering College	13.05.2019 - 18.05.2019
	6.	Machine Learning and Data Manipulation using R and SQL	Sri Sai Ram Engineering College	30.10.2019 to 06.11.2019
	7.	5 Days short term training course on Machine Learning Algorithms and applications	Indian institute of Information technology, Design and Manufacturing, kancheepuram.	30.11.2019 to 04.12.2019

	8.	Electron Devices, Microprocessors and Image Processing	SRM Valliammai Engineering College	11.05.2020 to 15.05.2020
	9.	ATAL FDP on "Artificial Intelligence"	National Institute of Technology, Calicut	09.11.2020 to 13.11.2020
	10.	AICTE Sponsored FDP on "Feature Analysis Using AL/ ML"	Sri Krishna College of Engineering and Technology	16.11.2020 to 21.11.2020
	11.	ATAL FDP on "Internet of things (IoT)"	Institute of Engineering and technology-Lucknow.	29.10.2020 to 02.11.2020
	12.	SERB Sponsored 2 Day online FDP on "Recent trends in Bio-signal acquisition and research perspectives in Signal analysis".	N.S.S College of Engineering.	25.03.2022 * 26.03.2022
	13.	FDP on 'Deep Learning & its Applications".	Sri Sai Ram Engineering College.	11.07.2022 to 15.07.2022
Conference Details: National:	**Sl. No.**	**Title**	**Venue**	**Month/Year**
	1.	Histogram equalization of enhancement technique.	Bharath University	**2011**
	2.	Wireless ATM Networking	Bharath University	2012
	3.	Adiabetic technique for energy efficient logic circuit design.	Bharath University	2011

International:				
	1.	Hallucination of Face Images Across Multiple Modalities using Tensors.	International Conference on Recent Trends in Engineering, Management and Science (ICRTEMS-2019) organized	26th-27th September 2019.

	2.	Won the **best paper award** - "A filterless method of Generating frequency 32-tupling millimeter wave using external modulators"	International Conference in "International Conference on Computer Communication & Power systems" held at Sri Venkateswara College of Technology	29, 30 May 2020
	3.	Performance Analysis of Various Segmentation Algorithms for Microarray Images.	AIP Conference Proceedings.	28 sep 2022
	4.	Implementation and investigation of Rectenna for microwave applications.	IEEE Xplore	Dec 2021
	5.	Detection and Identification of things for Blind people using Raspberry Pi.	IEEE Xplore	Feb 2022
	6.	Design of Microwave 3-D Antenna for brain tumour sensing system.	IEEE Xplore	12 May 2022
	7.	Eye blink controlled smart wheelchair aiding disabled people.	IEEE Xplore	May 2022

(top of cell) by Delhi Institute of Technology Management & Research ,Faridabad, Haryana.

| | 8. | Identification of voice pathology from temporal and cepstral features for vowel 'a' low intonation. | IEEE Xplore | June 2022 |
| | 9. | Communicative Guiding system for physically challenged person. | IEEE Xplore | 30 Aug 2022 |

Journal Details:	Sl. No.	Title	Journal Name	Volume/Date
International	1.	Smart Road Checking Vehicle	International Journal of Engineering Research in Computer Science and Engineering (IJERCSE)	July 2019 Vol 6, Issue 7 January – February 2020

	2.	Hallucination offace images across multiple modalities using Tensors	TEST Engineering and Management	December 2019
	3.	Chaotic Dynamics of a Non- Linear Electronic circuit	International Journal of Recent Technology and Engineering (IJRTE)	Volume 6, Issue 5 May 2019
	4.	A filter less method of generating frequency 32-tupling millimeter-wave using external modulators for green communications and its applications	Journal of Green Engineering	December 2020
National	1.	FPGA implementation of an Improved watchdog timerwith fault injection for safety critical applications	Journal of Emerging Technologies and Innovative Research	May 2019
	2.	An IoT based Military spying Robot using raspberryPi	Journal of Emerging Technologies and Innovative Research	May 2019

CERTIFICATE COURSES:	1.	Digital Circuits	NPTEL	July to October 2018 (12 week course)
	2.	Software Defined Radio	NPTEL	March 2019
	3.	Introduction to IoT, Introduction to Artificial Intelligence	Simplilearn	2nd April 2020
	4.	Tensorflow 2.0 :Deep Learning and Artificial Intellihence	Udemy	31st March 2020
	5.	Introduction to Big Data	Coursera	17th may 2020
	6	Programming for Everybody (Getting started with Python)	Coursera	14th may 2020

Patent Details:	Sl. No.	Title	Journal Name	Volume/Date
	1.	LI-FI based stereo audio streaming technology		20.11.2020
	2.	A novel assembly having physical uplink shared channel with switched antenna frequency domain resource allocation determination.		03.06.2022

Additional Details:

1. Awarded in recognition for the outstanding support to conduct the Drish TI Online Contest by TI University Program from 7.8.2019 to 10.8.2019.

2. Organized a 3Day Hands on Workshop on "Rapid Prototyping - IoT and Embedded System Design" in Collaboration with M/S. Digital Shark Technology pvt.Ltd, Bengaluru under Texas Instruments University Programme from 12.11.2018 to 14.11.2018

3. Organized a 5day Hands on Workshop on "Robotic System Design" in Collaboration with M/S.Digital Shark Technology pvt.Ltd, Bengaluru under Texas Instruments University Programme from 22.04.2019 to 26.04.2019

4. Organized various technical events and competitions on Engineer's day on 15.9.2016 for the Department of ECE.

5. Acted as a one of the Organizers in 5 days FDP program on "Artificial Intelligence for Robotics" Sponsored by AICTE Training and Learning Academy (ATAL).

6. Organized a Events, M-Apps club in association with Skill Development club named "AICTE –SPICES Sponsored Skills 'N' Thrills" on 10.10.22 & 11.10.22.

7. Organized a Event "Technolix –a quiz contest " on account of World's Students Day –Dr A.P.J Abdul Kalam's Birth anniversary, on 6th October 2022.

8. Completed Module 1,2,3,5,6 & 7 in NITTTR.

9. Completed a 4 weeks NPTEL- AICTE, FDP on "Effective Engineering Teaching in practice" on Feb 2021.

10. Completed a 4 weeks NPTEL- AICTE, FDP on "Teaching and Learning in general programs:TALG" during Aug 2021.

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