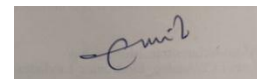**RESUME**

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Educational Qualifications	Exam Passed (Pl. Tick)	Institution | University	% & Class Obtained	Year
	Degree:	SJCE Mysore	59.87	2007
	PG:	SJCE Mysore	74.5	2010
	Higher:	Ph.D. (Pursuing)		
	Others			

Experience	Nature of Experience		No. of Years
	Teaching		14.5
	Industry/Research		
	Total No. of years of Experience		14.5

Experience Details	Designation	Institution/ Organization	Duration
	Assistant Professor	Nagarjuna College of Engineering & Technology, Bangalore	20-12-2021 till 10-09-2024.
	Assistant Professor	KNS Institute of Technology, Bangalore	23-07-2011 till 22-12-2021
	Lecturer	GSS Institute of Technology	20-07-2010 to 22-07-2011

Other Professional Experience	

Areas of Research Interest & Guidance	Signal Processing, IoT
Distinctions/Awards Received	Best Paper Award for "A New Gate Control Unit-Recurrent Neural Network structure for audio-based sentiment analysis"
National/ International Work Shops/ Seminars / Conferences Attended	29
No. of Papers Presented/ Books Published	8
	Sunil Thimmaiah, Raghu Jayaramu "A New Gate Control Unit-Recurrent Neural Network structure for audio-based sentiment analysis", Engineered Science (2024), Volume 30, Page 1180-1197, Scopus(Q1). doi:10.30919/es1180.
	Ravi Kumar M G, Mrinal Sarvagya, Prasad S N, **Sunil Thimmaiah** "Design and Implementation of Collaborative Energy Efficient IoT-based LoRa WAN". Power System Technology. Vol. 48 No. 2 (2024), Scopus(Q1). https://doi.org/10.52783/pst.637.
	Sreenivasulu Kyathari Neelakanteshwaralu, Rashmi Gadenahalli Puttaswamy, **Sunil Thimmaiah**, Rohith Shivashankar, Yashas Ponnasamudra Thippeswamy; Development of IoT based smart helmet using Arduino microcontroller. AIP Conf. Proc. 19 September 2024; 3131 (1): 030016. https://doi.org/10.1063/5.0229717.
	Sunil Thimmaiah, Raghu Jayaramu, Vinay Nittur Ataveeshashetty, Ravikumar Makanahalli Gangarevaiah; Use of rain/humidity sensors for rider safety against harsh weather conditions and pothole-ridden road. AIP Conf. Proc. 19 September 2024; 3131 (1): 030008. https://doi.org/10.1063/5.0230144.
	Jabeena Banu, Preethi Priya, Lubna Afza, **Sunil T**, "Implementation of Head Gesture Movement-based Robot Control using Video Surveillance with IoT" TEST Engineering & Management Vol 83, 19th May 2020 pg. 11504-11509.
	Lubna Afza, Razikha Parveen, Sunil T, Jabeena Banu "Automatic Object Detection and Target using Ultrasonic Sensor" IRJET Journal Volume 4 Issue 7 July 2017 pg. 637-640.
	Mamta Savadatti, A. Vengadesan, **Sunil Thimmaiah**, Arulananth T S, Dr. Sudhakiran Ponnuru and Ajay Bale "Optimization of Waste Collection Routes in Real-Time Utilizing Dijkstra's Algorithm Featuring the Enhanced Potential for Cloud Integration" 2024 Asian Conference on Intelligent Technologies. (Accepted).
Additional Information (patents if any)	**Design Patent** 1. "An AI-Based Equipment for Emotion Sentiment Analysis from Dialect Speech". in Intellectual Property Rights of India dated Sep 5th, 2023. **Patent Filed and Published** 1. "System, Method, Design and Development of Intravenous Saline Monitoring System powered by IOT for patient safety" in Intellectual Property Rights of India dated June 21th, 2024. 2. "System, Method and Implementation of Sensors for Rider's Safety against Harsh Weather Condition and Pothole Ridden Road" in Intellectual Property Rights of India dated Sep 8th, 2023. 3. "Method and System to Improve the Context-Based Service Quality for Mobility System" in Intellectual Property Rights of India dated Mar 31st, 2023. 4. "Based Agri Robotic Hands for Plucking Under Ground Crops & Automatic Spraying" in Intellectual Property Rights of India dated Oct 28th, 2022. 5. "A Hybrid Neural Network Approach for the Recognition of Emotions Id

	Dialect" in Intellectual Property rights of India dated Aug 26th,2022.
	6. "Method and System to Develop Data Encryption and Decryption Using Crypto-Stego-AI Based" in Intellectual Property Rights of India dated June 10th,2022.
	7. "Method and System to Develop EMG Monitoring System for Muscle Activity Detection on Parkinson's Disease" in Intellectual Property Rights of India dated April 1st,2022.

Date: 20.9.2024

Signature of the Candidate