Department of Information Technology			
NAME	Rajalakshmi Gurusamy		
UNIQUE ID	FD9406		
DESIGNATION	Assistant Professor		
QUALIFICATION	B.Tech (IT)., M.E (CSE)		
EMAIL ID	rajalakshmi@sethu.ac.in		
ALTERNATE EMAIL ID	jrajalakshmig@gmail.com		
EXPERIENCE	INDUSTRY	TEACHING	TOTAL
	Nil	12 Years 8 Months	12 Years 8 Months
DATE OF JOINING THE INSTITUTION	20.08.2010		
RESEARCH FOCUS	*Big Data, Machine Learning, Artificial Intelligence*		
SUBJECT COMPETENCY	Python, Database Management Systems, Data mining		
NO OF JOURNAL PUBLICATION (INTERNATIONAL/NATIONAL)	4		
NO OF CONFERENCE ATTENDED	13		
NO OF BOOKS PUBLISHED	3		

ACADEMIC CREDENTIALS

Level	Degree	Specialization	University	Year of Completion
PG	M.E	Computer science and engineering	Anna University, Thirunelveli	2013
UG	B.Tech.,	Information Technology	Anna University, Chennai	2010

CONFERENCES

➢ Presented Paper in an International conference on "Emerging trends in Information and Communication Technologies-ETICT 2K23,Department of ECE, Sethu Institute of Technology during 5th & 6th April,2023, " Voice controlled smart wheel chair with automatic medicine dispenser" ,Dr.A.Hylis Sharon Magdalene, Dr.G.Susan shiny, **Mrs.G.Rajalakshmi.**

➢ Presented Paper in an International conference on "Emerging trends in Information and Communication Technologies-ETICT 2K23,Department of ECE, Sethu Institute of Technology during 5th & 6th April,2023, "Autonomous Vaccum Cleaning Robot", Dr.G.Susan shiny, **Mrs.G.Rajalakshmi**, Dr.A.Hylis Sharon Magdalene.

➢ Presented Paper in an International conference on "Emerging trends in Information and Communication Technologies-ETICT 2K23,Department of ECE, Sethu Institute of Technology during 5th & 6th April,2023, "Driver safety system", Dr.G.Susan shiny, **Mrs.G.Rajalakshmi.**

➢ Presented Paper in an International conference on "Emerging trends in Information and Communication Technologies-ETICT 2K23,Department of ECE, Sethu Institute of Technology during 5th & 6th April,2023, "Railway Track Object & Crack Detection", Dr.G.Susan shiny, **Mrs.G.Rajalakshmi**, Dr.A.Hylis Sharon Magdalene.

➢ Presented Paper in an International conference on "Emerging trends in Information and Communication Technologies-ETICT 2K23,Department of ECE, Sethu Institute of Technology during 5th & 6th April,2023, "Smart Jacket for Bike Rider's Saftey", Dr.G.Susan shiny, Dr.A.Hylis Sharon Magdalene, **Mrs.G.Rajalakshmi**.

- Presented the paper in the 5th International Conference on Communication and Computational Technologies (ICCCT 2023) paper titled "2C-CNN-LSTM: Two Channel Convolutional Neural Network- Long Short Term Memory Deep Learning for Categorization of Autism Using EEG Data" organized by Rajasthan Institute of Engineering and Technology, Jaipur, on January 28-29, 2023.

- Presented the paper in the 3rd International Conference on Communication Systems paper entitled "Tweak Myocardial Infarction (Mi) Prognosis Methodologies Using RFGS Optimization for Machine Learning and Hyper-parameters" organized by Department of Electronics and Communication Engineering, National Institute of Technology, Puducherry, Karaikal, on December 17, 2021.

- Presented a paper entitled, "Observing the Development Of Smart Water Quality Monitoring System With Internet Of Things (IOT)", International Virtual Conference on Computational Intelligence and Applications (ICCIA 2020) on 28.08.2020 at Mohamed Sathak AJ College of Engineering, Chennai.

- Presented a paper entitled, "Detecting Malicious Social Bot in Social Media", International Virtual Conference on Computational Intelligence and Applications (ICCIA 2020) on 28.08.2020 at Mohamed Sathak AJ College of Engineering, Chennai.

- Presented the paper in the 4th International Conference on Current Research in Engineering Science and Technology paper titled :An Automatic IOT Based Irrigation Control Using Arduino Controller" on March 8th , 2019.

- Presented the paper in the International Conference on Applied Mathematics and Theoretical Computer Science paper entitled "An Emerging Statistical Analysis for Solving Big Data Problems Using R tool" on 1st - 3rd Feb 2018.

- Presented the paper in the 1st International Conference on VLSI Computation, Networking, and Drives & System Design paper entitled "Utilize Proficient Intrusion Detection System for Data Mining Techniques" on 28th March 2014.

- Presented the paper in the 3rd National Conference on "Embryonic Technologies in Information and Computing" paper entitled "Exploit Competent Data Mining Techniques for Feature Selection to Enhance the Intrusion Detection System" on 5th April 2013.

JOURNAL PUBLISHED

- Published a paper titled ”Intelligent Vehicle damage assessment and cost estimator Insurance”, in an International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE), Volume-30, Issue-03, April 2023, ISSN: 0976-1353

- Gurusamy, R., & Seenivasan, S. R. (2022). DGSLSTM: Deep Gated Stacked Long Short-Term Memory Neural Network for Traffic Flow Forecasting of Transportation Networks on Big Data Environment. Big Data.

- Published a paper titled "An Emerging Statistical Analysis for Solving Big data Problems Using R-Tools" in International Journal of Research and Analytical Reviews, December 2018, Volume 5, Issue 4, E-ISSN 2348-1269, P-ISSN 2349-5138.

- Published a Paper titled "A Succinct study and analysis of smart Manufacturing: IOT is driving the next Industrial Revolution" in Journal of Emerging Technologies and innovative Research, Volume 5, Issue 12, December 2018.

BOOKS PUBLISHED

- Published a book named "Data Structures and Algorithms: A Practical Approach" with ISBN 1397893-82459-20-0

- Published a book named "Computer Organization and Architecture" with ISBN 978-93-80686-51-6

- Write a Manuscript titled "Agile Software Development"

ACHIEVEMENTS & AWARDS RECEIVED

- Successfully mentor the Idea tiled "**Interactive buddy toy for Autism & Mental Disordered children**" students and won IV prize in the 8th edition of "**AARAMBAM 2022 –The Start-up Contest**" Organized by **Young Indians – Madurai** Chapter in Association with **Nativelead Foundation** on 9 November 2022 at Madurai.

- Awarded for successfully Mentor the Idea titled **"Smart Traffic Management System"** being selected for prototyping/ Commercialization at ACIC – Kalasalingam Innovation Foundation as part of **IDEATHON'22** on Emerging Technologies for Community & Industrial Innovations held on September 01, 02 -2022.

- ➢ Successfully mentoring the III-year IT (Batch 2020-2024) students received worth Rs.8000 for project contest under the title **"Smart Traffic Management System"** in **MADURAI HACKATHON** held at Solamali College of Engineering on 12-14 August 2022.

- ➢ Received **AICTE Sponsored LILAVATI AWARD** worth Rs.100000 under the scheme "**DIGITAL LITERACY**"

- ➢ Received **6 Award of Excellence** for producing good results in the university examination from Sethu Institute of technology.

- ➢ Scored 90% and above in the Anna university examination, Data Structures and Algorithm-92%, Information coding Techniques-94%, Operating systems-95%, Fundamentals of computing-96%, Total Quality mamagement-100%, Information coding Techniques-100%, Data ware housing and Data Mining-100%, Animation Technology-100% from Sethu Institute of Technology.

EXTENSION LECTURES

- ➢ Resource person for delivered a lecture and Lab demo on "Cassandra and MangoDB" on 15.11.2022 organized by the department of Computer Science and System Design, SIT.

- ➢ Resource person for delivered a Lecture in Student and Faculty Orientation Program on "2D Animation Using Macromedia Flash MX" on 13.11.2021 organized by the Good Shepherd College of Engineering and Technology, Maruthamparai.

REVIEWER & EDITORIAL BOARD MEMBER

- ➢ Act as Editorial Board member of International Journal of Systems Engineering (IJSE) from March 13, 2023 to March 13, 2025.

- ➢ Act as Editorial Board member of Journal of Engineering Science and Sustainable development

- ➢ Act as a Program Committee Member and Reviewer in the International Conference on Computer Vision and Robotics (CVR 2023) organized by Babu Banarasl Das University Lucknow, India, held on 24th & 25th February 2023.

- ➢ Conference Article Reviewer in 1st International Conference on Emerging Trends in Computational Intelligence and Applications 2023 (ETCIA-2023) organized by School of

Computing Science and Engineering, VIT Bhopal University, Madhya Pradesh, held on 27th & 28th January 2023.

➢ Reviewer on Super Computing, Springer.

➢ Reviewer on Journal of Ambient Intelligence and Smart Environments, Springer.

➢ Reviewer on Concurrent Engineering: Research and Applications, SAGE.