



Sri Ramakrishna Institute of Technology

(An Autonomous Institution)

(Accredited by NAAC with "A" Grade)

Pachapalayam, Perur Chettipalayam, Coimbatore – 641 010

www.srit.org :: Phone – 0422-2605577



Faculty Profile

Full name with Qualification, Designation and

Department:

S. Hebziba Jeba Rani, M.E.,

Assistant Professor,

Computer Science and Engineering



Date of birth	:	16-10-1992	Gender	:	Female
Nationality	:	Indian	Marital status	:	Unmarried
Address for correspondence	:	LIG 1 – 758, Gandhi Maanagar, Peelamedu, Coimbatore - 641004	Permanent address	:	LIG 1 – 758, Gandhi Maanagar, Peelamedu, Coimbatore - 641004
Mobile no	:	8754857737	e-mail (official)	:	hebzibajebarani.cse@srit.org
Landline	:	-	e-mail (personal)	:	hebziba16@gmail.com
Date of joining	:	12-06-2017	Post of joining	:	Assistant Professor
No of promotions since D.O.J	:	-	Present post	:	Assistant Professor
Present pay scale	:	Rs.15600–39,100/-	Gross pay	:	Rs. 37,623/-
Employee ID	:	1129	Bank account No. (Salary credited)	:	500101011407951
P.F. No	:	TN/CBE/56764/10806	Group Insurance No	:	-
PAN Number	:	AQWPH3798Q	Aadhar Number	:	7151 6670 8683
AICTE ID	:	1-3537013303	AICTE Institution ID	:	1-7841521

Educational Qualification

Degree	Specialization	Year of Passing	Name of the College	Name of the University	Class Obtained
UG	Computer Science and Engineering	2014	Karpagam College of Engineering	Anna University, Chennai	First class with Distinction
PG	Software Engineering	2016	SNS College of Technology	Anna University, Chennai	First class with Distinction
Ph.D	-	-	-	-	-
Others	-	-	-	-	-

Registration for Ph.D. with area of interest: -

Year of Ph.D. Registration: -

Year of Ph.D. Completed: -

Thesis Title: -

Supervisor Recognition Number: NA

Ph.D. Scholar Details: NA

S.No.	Name of the scholar	Registration details	College	Status
-	-	-	-	-

Academic Experience

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Ramakrishna Institute of Technology	Assistant Professor	12-06-2017	-	6	5	13
Total				6	5	13

Industrial Experience

Name of the Organisation	Designation	Nature of Work	Joining Date	Relieving Date	Experience		
					Years	Months	Days
-	-	-	-	-	-	-	-
Total							

Courses Handled

Academic Year	Semester	Course Code	Course Name	Type of Course (T / L)	Pass Percentage
2023-2024	Odd	20CS006	Theory of Computation (A sec)	T	
		20CS006	Theory of Computation (B sec)	T	
2022-2023	Even	20IT007	Database Management Systems	T	78.16%
2022-2023	Even	20IT009	Database Management Systems Laboratory	L	100%
2022-2023	Odd	20CS006	Theory of Computation	T	75.4%
2022-2023	Odd	20CS007	Object Oriented Analysis and Design	T	86.5%
2021-2022	Even	20IT009	Database Management Systems Laboratory	L	100%
2021-2022	Even	UCSC102	Computational Linguistics	T	95.08%
2021-2022	Even	UCSC017	Integrated Design Project (Practical)	L	100%
2021-2022	Odd	UCSC001	Computer Organization and Architecture	T	85%
2021-2022	Odd	UCSC005	Cryptography and Network Security	T	83%
2021-2022	Odd	PCSC012	Information Retrieval Techniques	T	100%
2020-2021	Even	UCSE009	Software Engineering	T	100%
2020-2021	Even	UCSC013	Object Oriented Software Engineering	T	100%
2020-2021	Odd	UCSC005	Cryptography and Network Security	T	100%
2019-2020	Even	UCSC015	Computational Theory	T	100%
2019-2020	Even	UMGG004	Human Rights and Human Values	T	100%
2019 - 2020	Odd	CS6702	Graph Theory and Applications	T	86.3%
2019 - 2020	Odd	CS6712	Grid and Cloud Computing Laboratory	L	100%
2018-2019	Even	GE6757	Total Quality Management	T	
2018-2019	Even	PCSC002	Advanced Database Technology	T	100%

2018-2019	Odd	CS6711	Security Laboratory (A sec)	L	100%
2018-2019	Odd	CS6711	Security Laboratory (B sec)	L	100%
2018-2019	Odd	CS6702	CS6702 - Graph Theory and Applications	T	77.27%
2017-2018	Odd	CS6301	Programming and Data Structure II	T	64%
2017-2018	Odd	CS6311	Programming and Data Structure II Lab	L	100%

Projects Guided

Academic Year	Semester	Project Title	UG / PG
2023-2024	07,08	An Energy Efficient and Reliable Routing Scheme for Enhancing the Communication Performance in IoT based Agriculture.	UG
2023-2024	07,08	An Efficient Priority Scheduling Scheme to improve the Quality of Service in Wireless Sensor Networks	UG
2023-2024	07,08	IoT based smart IV Drip Monitoring System	UG
2022-2023	07,08	Smart Real-time Health monitoring System using Li-Fi	UG
2022-2023	07,08	An Efficient Scheduling Scheme to improve the Quality of Service in Wireless Sensor Network	UG
2021-2022	07,08	IoT based Smart Safety Monitoring System for Underground Sanitation Workers	UG
2021-2022	07,08	IoT based Smart Medication Reminder and Monitoring System	UG
2020-2021	07,08	Smart Wearable Device for Ensuring Safety of Mine Workers	UG
2020-2021	07,08	An Efficient Quality Aware Routing Mechanism with improved Security In Wireless Sensor Environment	UG
2019-2020	08	A Novel Hybrid Scheme for Congestion Control and Secured Optimized Routing in Wireless Sensor Networks	UG
2019-2020	08	Plastic Detection using Image Processing	UG
2018-2019	08	Implementation of Smart waste segregation and monitoring system using IoT	UG
2018-2019	08	Smart Vehicle Parking System	UG

Publications

Publications	SCI / Scopus / Web of Sciences	Others
Journal	3	11
Conferences	-	6

Journal Publications (IEEE format)

1. Ms.S.Heziba Jeba Rani, Vignesh.S, Rathika.J, Sri Ramar.V, “An Efficient Scheduling Scheme to Improve the Quality of Service in Wireless Sensor Network”, International Journal for Science and Advance Research In Technology(IJSART), Vol.9, Issue 3, pp 423-426, 2023.
2. Ms.S.Hebziba Jeba Rani, P.Sachithananthan, S.P.Venkatanathan, R.G.Priyavarshan, “Smart Real Time Health Monitoring System in Hospitals Using Li-Fi”, International Journal for Science and Advance Research In Technology(IJSART), Vol.9, Issue 3, pp 214-218, 2023.
3. Hebziba Jeba Rani S, Yamini C L, Sakthivel M, Surendar S, "IoT Based Smart Safety Monitoring System for Underground Sanitation Workers", Journal of Emerging Technologies and Innovative Research (JETIR), Vol.9, Issue 5, May 2022.
4. S Hebziba Jeba Rani, A S Arun, J Deepan Chakkaravarthy, M Jothi Krishna, “Smart Wearable Device for Ensuring Safety of Mine Workers”, International Journal of Advances in Engineering and Management (IJAEM), Vol. 3, Issue 2, pp: 888-894, Feb 2021.
5. Hebziba Jeba Rani S, Deepika N, “Improved QoS for the Sensed Data in the Wireless Sensor Network through Customized Priority Scheduling Scheme”, TEST Engineering and Management, Vol. 82, Issue. 1, pp. 264-272, February 2020. (Scopus)
6. V.Sowndharya, P.Savitha, S.Hebziba Jeba Rani , “Smart Waste Segregation and Monitoring System using IoT”, International Research Journal of Multidisciplinary Technovation (IRJMT), DOI: <https://doi.org/10.34256/irjmt1921>, 2019.
7. S Hebziba Jeba Rani, S Revathi, “Measuring Performance and Analysis of Quality of Service in WiMAX Networks”, Journal of Advanced Research in Dynamical and Control Systems, Vol.10, 10-special issue, 2018. (Scopus)
8. Dr. A. Sumithra, S. Hebziba Jeba Rani, “Heuristic Correlative Features and Least Square Multi Layer Perceptron on Software Process Improvement”, International Journal of Pure and Applied Mathematics, Vol.119, pp. 2193-2216, 2018. (Scopus)
9. Hebziba Jeba Rani S, Kirthika KM, Meenachi VR, Revathi S, Dr. Sumithra A, “Deployment of Sensor Scheduling in Wireless Sensor Networks for Shielding the data

Against the Attack of Eavesdroppers”, International Journal of Engineering Development and Research, Vol. 6, Issue 1, 2018.

10. S.Revathi, Dr.A.Sumithra, S.HebzibaJeba Rani, M.Vanitha, “Survey on Traffic Dataset Based on Data Mining Algorithms”, International Journal For Research & Development in Technology, Vol. 9, Issue 1, pp. 74-76, 2018.
11. S.Rajesh, Dr. A.N.Jayanthi, S.Hebziba Jeba Rani, R.Priyadharshini, “Dynamism Proficient Routing Protocol to Elude Suspension in Wireless Sensor Network-A Survey”, International Journal of Research in Electronics and Computer Engineering, Vol. 6, Issue 3, pp 429-432, 2018.
12. Meenachi VR, Kirthika KM, Barani G, Suganya V, Hebziba Jeba Rani, “On-Road Localization System in Vanet using Grid”, International Journal of Current Engineering and Scientific Research (IJCESR), Vol.4, Issue 12, pp 35-38, 2017.
13. Kirthika .K. M, Meenachi V.R, Hebziba Jeba Rani, Barani .G, Suganya .V, “Semi Supervised and Unsupervised constraints Using Novel Fuzzy Relational Clustering Algorithm”, International Journal of Engineering Science and Computing, Vol. 7, Issue 12, pp. 15818-15820, 2017.
14. S. Revathi, Dr.A.Sumithra, S.Hebziba Jeba Rani, M.Vanitha, “Certain Analysis on Traffic Dataset Based on Data Mining Algorithms”, International Research Journal of Engineering and Technology (IRJET), Vol. 4, Issue 12, pp.1557-1558, 2017.

Conference Publications (IEEE format)

1. Hebziba Jeba Rani S, Rathika J, Sri Ramar V, Vignesh S, “Efficient Scheduling Scheme to improve the Quality of Service in Wireless Sensor Network”, National Conference on Innovative Technologies In Engineering and Research (NCITER-2023) organized by A.V.C College of Engineering, Mayiladuthurai on 10-03-2023, ISBN: 978-93-91332-63-1.
2. Hebziba Jeba Rani S, Sachithananthan P, Venkatanathan S P, Priyavarshan R G, “Smart Real-time Health Monitoring System using Li-Fi”, Second National Conference on Recent Advances in Communicative Electronics organized by SRM TRP Engineering College, Tiruchirappalli on 09-03-2023 and 10-03-2023.
3. Hebziba Jeba Rani S, Dheenathayalan J, Mohammed Nadeem M, Muthu Selvam M, “IoT Based Smart Medication Reminder and Monitoring System”, International Conference on Research Innovations and Practices in Science Technology and Management for Societal Benefits organized by Poddar international College, Rajasthan on 08-04-2022 & 09-04-2022, ISBN: 978-93-91535-30-8.
4. Hebziba Jeba Rani S, Sasikala G, Narmadhapriya S K, Vijayan S, “An Efficient quality Aware Routing Mechanism with Improved Security in Wireless Sensor Environment”, TNSCST Sponsored 7th International E-Conference on Latest Trends in Science,

Engineering and Technology (ICLTSET'21) Organized by Karpagam Institute of Technology, Coimbatore on 26-03-2021 & 27-03-2021.

5. Hebziba Jeba Rani S, Deepika N, "Improved QoS for the sensed Data in the Wireless Sensor Network through Customized Priority Scheduling Scheme", International Conference on Innovation in Engineering Sciences, Management and Technology organized by S.B Jain Institute of Technology, Management & Research (SBJITMR) on 12-12-2019 & 13-12-2019, ISBN: 978-93-89107-65-4.
6. S.Rajesh, Dr. A.N.Jayanthi, S.Hebziba Jeba Rani, R.Priyadharshini, "Dynamism Proficient Routing Protocol to Elude Suspension in Wireless Sensor Network-A Survey", International Conference on Engineering Technology, Science and Management Innovation (ICETSMI-2018) organized by Mahratta Chamber Of Commerce Industries & Agriculture, Maharashtra on 22-07-2018, ISBN: 978-93-87433-30-4.

Books / Book Chapters (IEEE format)

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Sponsored Research

Project Title	Funding Agency	Amount Rs.	Duration
-			

Consultancy

S. No.	Organization/ Agency	Nature of Work	Amount in Rs.	Year
-				

Workshops / Seminars attended

1. Participated in DRDO sponsored three days seminar on "Automation in Civil Engineering" organized by Department of Civil Engineering, Sri Ramakrishna Institute of Technology, Coimbatore -641010 from 20.02.2022 to 23.02.2022.
2. Participated in One day workshop on "Smart Buildings" organized by Department of Civil Engineering, Government College of Technology, Coimbatore – 641013 during 30.09.2021.
3. Hands-on Workshop on "Practical Introduction to MATLAB for Scientific Computing and Engineering" at Kongu Engineering College, Erode on 03-08-2019.

Faculty Development Program attended (from recent)

1. Completed AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Quantum Computing Algorithms and Machine Learning" from 02-08-2021 to 06-08-2021 at R V College of Engineering.
2. Completed AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Online Teaching and Learning Technologies" from 14-06-2021 to 18-06-2021 at Motilal Nehru National Institute of Technology Allahabad.
3. Participated in 3 days virtual FDP on "AI & MI Skills Industry 4.0" organized by Er. Perumal Maimekalai College of Engineering, Hosur from 03-06-2021 to 05-06-2021.
4. Participated in AICTE Sponsored 2 Week National Level Online FDP Phase-II on "Machine Learning & Artificial Intelligence in Data Science" from 24-05-2021 to 02-06-2021 organized by PACE Institute of Technology and Sciences, Andhra Pradesh.
5. Participated in AICTE Sponsored 2 Week National Level Online FDP Phase-II on "Machine Learning & Artificial Intelligence in Data Science" from 24-05-2021 to 02-06-2021 organized by PACE Institute of Technology and Sciences, Andhra Pradesh.
6. Completed AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Cyber Security Vulnerabilities & Safeguards" from 17-05-2021 to 21-05-2021 at National Institute of Technical Teachers Training & Research, Chandigarh.
7. Participated in the AICTE Sponsored 6 days Short Term Training Programme on "Artificial Intelligence and Deep Learning for Computational Biology" organized by PSNA College of Engineering and Technology, Dindigul from 04-01-2021 to 09-01-2021.
8. Participated in 6 days Online Short-Term Training Programme on "Signal Processing Techniques for Advanced Wireless Communication" organized by Jayamukhi Institute of Technological Sciences from 26-10-2020 to 31-10-2020.
9. Participated in AICTE sponsored online Short-Term Training Program (Phase-III) entitled "Machine Learning & Internet of Things (IoT) for Industrial Applications" organized by Dr.N.G.P. Institute of Technology, Coimbatore during 28-09-2020 to 04-10-2020.
10. Participated in One Week FDP on "Emerging Trends & Technologies in Data Science" Organized by GMR Institute of Technology, Andhra Pradesh during 24-08-2020 to 29-08-2020.
11. Participated in One Week Online FDP on "Emerging Trends in Data Science and IoT" organized by Arka Jain University, Jamshedpur from 20-07-2020 to 25-07-2020.
12. Participated in 7 Days Online FDP on "Next Generations of Computing: Artificial Intelligence and Machine Learning" organized by Anand Institute of Higher Technology, Chennai from 06-07-2020 to 12-07-2020.

13. Participated in One day Online FDP on "Outcome Based Education" organized by Vmedulife Software Services on 11th June 2020.
14. Participated in Five Days Online Faculty Development Program on "Machine Learning" organized by Department of CSE & IT, J.B.Institute of Engineering and Technology from 01-06-2020 to 05-06-2020.
15. Attended Five Days Online Faculty Development Programme on "Emerging Trends in Electric Vehicle, Lighting and Automation" organized by Vel Tech High Tech Dr. Rangarajan Dr.Sakunthala Engineering College, Chennai from 26-05-2020 to 30-05-2020.
16. Participated in TEQIP-III Sponsored One Week Faculty Development Programme on "Emerging Networking Technologies and Tools - Research Perspective" organized by PSG College of Technology, Coimbatore from 07-06-2019 to 13-06-2019.
17. Participated in two days Faculty Development Program on "Teaching Techniques" conducted by ICT Academy on 17-07-2017 & 18-07-2017 held at SNR Sons College, Coimbatore.

Events Organized (from recent)

1. Webinar on "API Testing with Postman" on 01-11-2023.
2. One Day Seminar on "Network Security Tools" on 20-08-2019.
3. One Day Seminar on "Software Defined Networking" on 20-08-2019.
4. One Day Workshop on "Open Source Business Intelligence Tools" on 10-02-2018.

Online Courses Completed

Sl. No.	Title	Platform
1	Software Conceptual Design (Aug-Sep 2023)	NPTEL
2	Module 1: Orientation towards Technical Education and Curriculum Aspects" (Feb 2022)	NITTT
3	Predict Performance Using MA Forecasting in Google Sheets (June 10, 2021)	Coursera
4	Cyber Security for Normal People: Protect Yourself Online (May 13, 2021)	Udemy
5	Python for Data Science (Jan-Feb 2021)	NPTEL
6	Cryptography (23-09-2020)	Coursera
7	Work Smarter, Not Harder: Time Management for Personal & Professional Productivity (19-06-2020)	Coursera
8	Create a Business Marketing Brand Kit using Canva (04-06-2020)	Coursera

9	AWS Fundamentals: Going Cloud – Native (25-05-2020)	Coursera
10	AI for Everyone (25-05-2020)	Coursera
11	Cloud Computing Basics (Cloud 101) (25-05-2020)	Coursera
12	Computer Networks (Nov 2019)	Swayam (CEC)
13	Software Engineering (Jul-Oct 2019)	NPTEL
14	Data Base Management System (Feb-Apr 2019)	NPTEL

Awards and Recognitions Secured

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Self-appraisal

Major Strengths

- My biggest strength is being patient.
- Other strengths include being honest and hardworking.

Major Weakness

- My weakness is Perfectionism.

Signature