

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:					
Dr.S Rajesh ,M.E., Ph.D.,					
Assistant Professor,					
Computer Science and Engineering					
Date of birth	:	31.08.1987	Gender	:	Male
Nationality	:	Indian	Marital status	:	Married
Address for correspondence	:	72, Nitish Nivas,Postal colony,Perur, Coimbatore-10, Tamil Nadu,India	Permanent address	:	72, Nitish Nivas,Postal colony,Perur, Coimbatore-10, Tamil Nadu,India
Mobile no	:	9626899889	e-mail (official)	:	Rajesh.cse@srit.org
Landline	:	-	e-mail (personal)	:	rajeshhcs@gmail.com
Date of joining	:	13.06.2011	Post of joining	:	13.06.2011
No of promotions since D.O.J	:	NIL	Present post	:	Assistant Professor
Present pay scale	:	Rs.27,361 /-	Gross pay	:	Rs.41,986 /-
Employer ID	:	1111	Bank account No. (Salary credited)	:	500101010539177
P.F. No	:	TN/CBE/56764/503	Group Insurance No	:	
PAN Number	:	BESPR0504R	Aadhar Number	:	826942551088
AICTE ID	:	1-796225546	AICTE Institution ID	:	500101010539177

Educational Qualification

Degree	Specialization	Year of Passing	Name of the College	Name of the University	Class Obtained
UG	B.E - Computer Science & Engineering	2009	Park college of Engineering and Technology, Coimbatore	Anna University, Chennai, TN	First Class
PG	M.E -Network Engineering	2011	Anna University, Coimbatore	Anna University, Coimbatore.	First Class
Ph.D	Information & Communication Engineering	2023	Anna University, Chennai.	Anna University, Chennai,	First Class
Others					

Registration for Ph.D. with area of interest: Wireless Sensor Networks

Year of Ph.D. Registration: JULY 2016

Year of Ph.D. Completed: APRIL 2023

Thesis Title:

CERTAIN INVESTIGATIONS ON SECURE MOBILIZATIONS IN WIRELESS SENSOR NETWORKS

Supervisor Recognition Number: NIL

Ph.D. Scholar Details

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

Academic Experience

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Ramakrishna institute of Technology, Cbe-10	Assistant Professor	13.06.2011	-	12	5	13
Total				12	5	13

Industrial Experience

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

NIL			
Total			

Courses Handled

Academic Year	Semester	Course Code	Course Name	Type of Course (T / L)	Pass Percentage
2023-2024	05	20CS001	Object Oriented Analysis Design	Theory	*
		20CS011	CASE Tools Laboratory	Laboratory	*
2022-2023	05	20CS001	Object Oriented Analysis Design	Theory	88
	05	20CS011	CASE Tools Laboratory	Laboratory	98
	04	20CS005	Design Analysis Algorithm	Theory	90
	06	20CS901	Design Project Laboratory	Project Lab	100
2021-2022	06	UCSC017	Integrated Design Project	Theory	90
	07	UCSC019	Final Year Project Phase I	Project	100
	05	UICH003	Economics for Engineers	Theory	96
	03	20CS001	Computer Organization Architecture	Theory	88
	08	UCSC020	Final Year Project Phase II	Project	100
2020-2021	03	UCSC007	Database Management System	Theory	94
	06	UCSC003	Computer Graphics	Theory	96
	06	UCSC017	Integrated Design Project	Theory	100
	08	UCSC020	Final Year Project Phase II	Project	100
2019-2020	04	UCSE020	Design Analysis & Algorithm	Theory	90
	07	MG8951	Principles of Management	Theory	94
2018-2019	05	CS6504	Computer graphics	Theory	92
	03	UCSC006	Data Structures & Algorithm	Theory	82
2017-2018	05	CS6504	Computer graphics	Theory	96
	04	CS6551	Computer Networks	Theory	80
2016-2017	05	CS6504	Computer graphics	Theory	94
	04	CS6551	Computer Networks	Theory	80
2015-2016	05	CS6504	Computer Graphics	Theory	90
	04	CS6403	Software Engineering	Theory	98

2014-2015	03	CS6302	Database Management Systems	Theory	90
	01	CS6202	Programming & Data structures-I	Theory	84
2013-2014	07	IT8076	Software Testing	Theory	98
	01	CS6301	Computer Programming	Theory	90
	06	080230059	Open-source tools Components	Theory	100
2012-2013	03	EC2202	Data structures & oops	Theory	70
	06	CS2401	Computer Graphics	Theory	92
2011-2012	01	GE2155	Fundamentals of Computing Programming	Theory	74

Projects Guided

Academic Year	Semester	Project Title	UG / PG
2022-2023	08	IoT based Fire Alert system in Farming land	UG
		Advanced Transportation system for Smart city	UG
2021-2022	08	IoT Based Irrigation Monitoring System	UG
		Development of Energy efficient LEACH Protocol for Secure Communication in WSN	UG
		IoT based electronic rodent motion detection	UG
2020-2021	08	Minimizing Energy Conservation of Sensor Nodes Using LEACH Protocol in Wireless Sensor Networks	UG
		Certain investigations on Secure node scheduling in WSN	UG
		Certain Exploration to fix and maximize Node lifetime in Wireless sensor network	UG
2019-2020	08	Performance and Analysis of Adhoc on-Demand vector routing under Mobility	UG
2016-2017	08	Disease Prediction based Graph and Data Classification	UG
2015-2016	08	Ensuring Trust based QoS AODV Routing protocol	UG
2014-2015	08	Multi Biometric Recognition using Sclera vein and Finger vein recognition	UG
2013-2014	08	ENDRP: Efficient Neighbor Discovery Route Protocol	UG
2012-2013	08	Addressing the issues of network disconnection using data synchronization	UG

Publications

Publications	SCI / Scopus / Web of Sciences	Others
Journal	4	18
Conferences	1	6

Journal Publications (IEEE format)

1. S.Rajesh, et., al, "Convention Based Stochastic clustering for Blackhole attack detection in Secure WSN Communication" has been published in MUKT SHABD Journal ,Volume XII,Issue VI,June 2023.
2. S.Rajesh, et., al , "Clustered Certificateless Signcryption for Blackhole Attack Detection in Secured Wireless Sensor Networks,Tierärztliche Praxis,Vol 41,January 2021(Annexure I)
3. S.Rajesh et al, IOT based Smart Farming stick-A Survey,International Journal of Advanced research(IJAR),January 2020, Article DOI: 10.21474/IJAR01/10355(Scopus)
4. S.Rajesh, et., al, "Black Hole Attack Eradication by Scheduled Base Station Using Leach Protocol", published in the International Journal for Scientific Research & Development (IJSRD) , | Vol. 8, Issue 4, 2020
5. S.Rajesh, et., al, "Minimizing Energy Conservation of Sensor Nodes Using Leach Protocol In Wireless Sensor Networks", published in the International Journal for Science and Advance Research in Technology (IJSART) , - Volume 7 Issue 3 – MARCH 2021
6. S.Rajesh, et., al, "Certain Exploration To Fix And Maximize node Lifetime In Wireless Sensor Network", published in the International Journal for Science and Advance Research in Technology (IJSART) , - Volume 7 Issue 3 – MARCH 2021.
7. S.Rajesh, et., al, "Certain Exploration To Fix And Maximize node Lifetime In Wireless Sensor Network", published in the International Journal for Science and Advance Research in Technology (IJSART) , - Volume 7 Issue 3 – MARCH 2021.
8. S.Rajesh, et., al, "IoT based Electronic Rodent Motion Detection", published in the International Journal for Science and Advance Research in Technology (IJSART) , - Volume 7 Issue 3 – MARCH 2021.
9. S.Rajesh, et., al "IoT based Fire Alert system in Farming Land" in Journal of Emerging trends and Innovative Research(JETIR) © 2022 JETIR May 2022, Volume 9, Issue 5,ISSN Number:2349-5162

10. S.Rajesh, Dr. A.N.Jayanthi,"Certain investigations on hierarchical routing-Leach protocol ",International Journal of advanced Research in Innovative education(IJARIIIE-2019),Vol. 5 ,Issue 3 May 2019.
11. S.Rajesh, Dr. A.N.Jayanthi,"Dynamism Proficient Routing Protocol to Elude Suspension in Wireless Sensor Network-A Survey",International Journal of Research in Electronics and Computer Engineering(IJRECS-2018),Vol. 6 ,Issue 3 Sept 2018
12. .S.Rajesh et al., "Identification and Removal of Interference in Aspectj Programs" , International Journal Of Engineering And Computer Science(IJECS), Volume 6 Issue 2 Feb. 2017
13. S.Rajesh et al., "Disease detection based Graph and Data classification", International Journal of Current Engineering & Scientific Research (IJCESR),Vol-4, Issue-9,2017,
14. S.Rajesh et al., "Comparison of TDMA based Routing Protocols for Wireless Sensor Networks-A Survey", International Journal of Innovations & Advancement in Computer Science(IJIACS), Volume 6, Issue 8 ,August 2017
15. S.Rajesh et al., "Certain Investigations on Delay Guaranteed Routing Protocols for WSN - A Survey", SSRG International Journal of Computer Science and Engineering (SSRG-IJCSE) – volume X Issue Y– Month 2015 ISSN: 2348 – 8387
16. S.Rajesh et al., "Certain Investigation on Pathologies in Brain Images Using MRI Slicing", Middle-East Journal of Scientific Research 23 (6): 1076-1084, 2015, ISSN 1990-9233 © IDOSI Publications, 2015,DOI: 10.5829/idosi.mejsr.2015.23.06.93182(Scopus)
17. S.Rajesh et al., "Certain Investigation on Image Classification and Segmentation using Different Techniques", International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-6, Issue-2, December 2016
18. S.Rajesh et al., "Certain Investigation of Identify the New Rules and Accuracy Using SVM Algorithm", Middle-East Journal of Scientific Research 23 (9): 2074-2080, 2015 ISSN 1990-9233© IDOSI Publications, 2015 DOI: 10.5829/idosi.mejsr.2015.23.09.22426(Scopus)
19. S.Rajesh et al, "Black Hole Attack Minimization using Leach protocol", International Journal of Scientific research and development, Vol.7, Issue – 9, December 2019. ISSN(Online) : 2321 – 0613.
20. .S.Rajesh et al., "An Adaptive Non-Local Mean Filtering for Image Denoising", International Journal for Scientific Research & Development(IJSRD), Vol. 5, Issue 02, 2017
21. S.Rajesh et al., "A Review on Advanced Algorithms in Recommender Systems", International Journal of Computer Systems(IJCS), Volume 04– Issue 01, January, 2017

22. S.Rajesh et al., "Certain investigation on multicasting using various algorithms", International Journal of Recent Scientific Research Research, Vol. 5, Issue, 4, pp.866-867, April, 2014

Conference Publications (IEEE format)

1. S.Rajesh, et., al presented paper titled "Spatially correlated boltzmann deep learning Lamport session discrete Certificateless signcryption for DoS attack detection and Secured WSN communication", in International Conference on Electronics and Renewable systems (ICEARS 2022) IEEE Xplore Part-Scopus indexed IEEE Xplore Part Number CFP22AV8-ART; ISBN:978-1-6654-8425-1, August 2022.(Scopus Indexed)
2. S.Rajesh, et., al presented paper titled "IoT based irrigation Monitoring system", in 2nd International Conference on Recent trends in Engineering and Management 2022 organised by Christ the King Engineering college, Karamadai, Tamil Nadu, held on 6th and 7th May 2022.
3. S.Rajesh, et., al presented titled, "Certain investigations to Exploit node lifetime using signcryption in Wireless sensor networks in AICTE Sponsored Virtual International Conference on "Machine Learning and Data Analytics for Business Decision Making" held on 05.03.2021 & 06.03.2021 held in Vivekananda institute of Information and Management Studies (VIIMS). Approved by AICTE & Affiliated to Anna University, Chennai.
4. S.Rajesh, et., al presented paper titled "Certain Investigations on Ant Colony algorithm routing under mobility", in the International Conference on Emerging trends in Engineering & Management 2020, held on 2nd & 3rd March 2020 in Dhanalakshmi Srinivasan college of Engineering, Navakkarai, Coimbatore.
5. S.Rajesh, et., al has Participated and Presented a Paper entitled "Improving performance of Adhoc on demand Vector Routing using Ant colony algorithm" in the International Conference held on 16th and 17th October 2020 organized by Department of Electronics & Telecommunication Engineering, JNNCE, Shivamogga.
6. S.Rajesh, et., al has Participated and Presented a Paper entitled "Certain Investigations to Abuse Node Lifetime Using Signcryption in Wireless Sensor Networks" in the International Conference on Advances in Science, Engineering and Technology held on 29th and 30th December 2021 Organized By Institute For Engineering Research and Publication (IFERP) ISBN : 978-93-92105-24-1 ICASET 2021, 29TH - 30TH DECEMBER 2021 Hybrid Conference, Puducherry and Co-Host-Karpagam Institute of Technology, Tamil Nadu.
7. S.Rajesh, et., al presented paper titled "Dynamism Proficient Routing Protocol to Elude Suspension in Wireless Sensor Network-A Survey", in the International Conference on Engineering Technology, Science and Management Innovation (ICETSMI-2018), on 22nd July 2018, ISBN: 978-93-87433-30-4

8. S.Rajesh et al., presented paper titled “Comparison of TDMA based Routing Protocols for Wireless Sensor Networks-A Survey”, in the Conference Proceeding of 7th International Conference on Research Trends in Engineering, Applied Science and Management (ICRTESM-2017)

Books / Book Chapters (IEEE format)

1. Mr.S.Rajesh et..al “IoT Based Photoelectric Animal Motion Detection” Published book chapter in ”Recent trends in Multidisciplinary Research” ,Volume-46 by AkiNik Publications, Delhi-110085, India. Publication Year: 2023 Pages: 131-144 ISBN: 978-93-5570-751-2 Book DOI: <https://doi.org/10.22271/ed.book.2301>
2. Mr.S.Rajesh et..al “Temperature Distribution Detection in Farming Lands using Farming Stick” Published book chapter in ”Recent trends in Agriculture Sciences” ,Volume-28 by AkiNik Publications, Delhi-110085, India. Publication Year: 2022 Pages: 139 ISBN: 978-93-5570-114-5 Book DOI: <https://doi.org/10.22271/ed.book.1455>

Sponsored Research

Project Title	Funding Agency	Amount Rs.	Duration
NIL			

Consultancy

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

Workshops / Seminars attended

1. Attended One day National Workshop on “Devops” held at Marcello Technology, Sankarapalli road, Trichy on 2.10.2023.
2. Attended One day National Workshop on “Research Methodology and Writing Funding Proposals” held at Sri Ramakrishna Institute of Technology on 22.2.2017
3. Attended One Day Seminar on “Artificial Intelligence” Organized by Department of CSE, held at Sri Ramakrishna institute of technology on April 09 2016.
4. Organised One day Workshop on “Bootstrap Framework” Under the banner of Advance Computing Technologies Research Cluster (ACTRC) on 25th June 2023 at Sri Ramakrishna institute of technology,Coimbatore,Tamil Nadu.

5. Organised One day Workshop on “Building Automation using IoT” Under the banner of Advance Computing Technologies Research Cluster (ACTRC) on 20th May 2022 at Sri Ramakrishna institute of technology,Coimbatore,Tamil Nadu.
6. Two days’ workshop on “Eccentric High-Performance Computing” Organized by the Department of Computer Science and Engineering, Sri Ramakrishna Engineering college, in association with DRDO Delhi held during Nov 11th & 12th 2016

Faculty Development Program attended (from recent)

1. Attended Seven days Faculty Development training programme on “Cloud infrastructure (AWS) “organized by Sri Krishna College of Engineering and technology, in collaboration with AICTE and Brainovision Solutions India Pvt Ltd, Coimbatore District, from 21.08.2023 to 25.08.2023
2. Attended 5 days FDP on “Signals and Systems”, Organized by R & D Cell in association with Electronics and Communication Engineering at Bharathiyar institute of Engineering for Women, Salem District from 13.09.2023 to 17.09.2023
3. Attended 5 days FDP on “Data Science for HealthCare”, Organized by Vivekananda college of Engineering for Women, Namakkal,Tamil Nadu from 21st – 25th June 2021.
4. Attended Seven days Faculty Development training programme on “Machine Learning & IoT for Industrial applications “at Dr.N.G.P institute of technology, Coimbatore District, from 24.08.2020 to 29.08.2020
5. Attended Seven days Faculty Development training programme on “Recent trends in Artificial intelligence and soft computing III “at R.M.D Engineering college,Thiruvalluvar District, from 14.09.2020 to 19.09.2020
6. Attended Six days Faculty Development training programme on “Emerging trends in Engineering Management“at Coimbatore institute of Engineering and Technology,Coimbatore, from 27.05.2020 to 01.06.2020.
7. Attended Seven days Faculty Development training programme on “GE8151 Problem solving and Python programming “at PSNA college of Engineering and Technology,Dindigul, from 18th to 24th June 2018
8. Attended five days FDP on “Salesforce Trailhead “at Sri Ramakrishna Institute of Technology from 30th of October to 3rd November 2017.
9. Attended One Week short term course on “Artificial Neural Network & Fuzzy logic” Through ICT by the Department of Computer Science and Engineering on 24th to 28th April 2017 in Sri Ramakrishna Institute of Techology, Cbe-10
10. Attended One Week short term course on “Cyber security and Cyber Forensics “organized by department of Computer applications held in Coimbatore Institute of technology, Coimbatore on 22nd to 28th Nov 2017.
11. Attended Seven days FDP on “Multi-core Architecture and programming “organized by the Department of Computer Science and Engineering during 23rd Nov to 27th Nov 2016 in Sri Ramakrishna Institute of Techology, Cbe-10
12. Attended Three days FDP on “My Profession, my commitment, My life “organized by the Department of Computer Science and Engineering during 18th Nov to 20th Nov 2016 in Sri Ramakrishna Institute of Techology, Cbe-10

13. Attended Two Week ISTE STTP on “CMOS Mixed Signal and Radio Frequency VLSI Design” by the Department of Electronics and communication Engineering during Jan 30th to Feb 5th 2016 in Sri Ramakrishna Institute of Technology, Cbe-10
14. Seven days FDTP on “CS 6202 Programming and data structures I” Conducted by Sri Ramakrishna Engineering college, Coimbatore sponsored by Anna University, Chennai during 2nd to 8th Dec 2015

Events Organized (from recent)

1. Attended One day National Workshop on “Devops” held at Marcello Technology, Sankarapalli road ,Trichy on 2.10.2023
2. Organised One day Workshop on “Bootstrap Framework” Under the banner of Advance Computing Technologies Research Cluster(ACTRC) on 25th June 2023 at Sri Ramakrishna institute of technology,Coimbatore,Tamil Nadu.
3. Organised One day Workshop on “Building Automation using IoT” Under the banner of Advance Computing Technologies Research Cluster (ACTRC) on 20th May 2022 at Sri Ramakrishna institute of technology,Coimbatore,Tamil Nadu
4. Attended One day National Workshop on “Research Methodology and Writing Funding Proposals” held at Sri Ramakrishna Institute of Technology on 22.2.2017
5. Two days’ workshop on “Eccentric High-Performance Computing” Organized by the Department of Computer Science and Engineering, Sri Ramakrishna Engineering college, in association with DRDO Delhi held during Nov 11th & 12th 2016
6. Attended One Day Seminar on “Artificial Intelligence” Organized by Department of CSE, held at Sri Ramakrishna institute of technology on April 09 2016.

Online Courses Completed

Sl. No.	Title	Platform
1	Completed the Course “Computer Graphics” during September 2023	NPTEL
2.	Completed the Course “Software Testing” during April 2020	NPTEL
3	Completed the Course “Create customer support data with Google sheets” during August 2020	Coursera
4	Completed the Course “CRUD operations using MangoDB NoSQL” in August 2020	Coursera
5	Completed the Course “Predicting House prices with regression using Tensor flow” during September 2020	Coursera
6	Completed the Course “Agile Projects: Creating user stories in Vaiga” during September 2020	Coursera

7	Completed the Course “AWS Fundamentals: Going Cloud-Native during September 2020	Coursera
8	Completed the Course “Hierarchical Clustering: Customer Segmentation” during September 2020	Coursera

Awards and Recognitions Secured

1. Mentored the following Students who Participated in the title “Social Distancing Reminder- Corona Virus” for the project competition held in “I2 CREATE 2021” International, Innovation, Creativity and Technology Exhibition UniMAP held on November, 2021. – **and** Received Silver Award.

1. Atharsana.V.S
2. Harshnee.CRM
3. Gokul.C

2. Mentored the following Students who Participated in the title “Blind Spot detection on headlights” for the project in “In-VIDE 2021”- UniMAP Malaysia – **and** Received Silver Award.

1. M.Shri sruthi
2. S.Shalini
3. K.Keerthi
4. R.Udaya sri

3. Received Best innovator ward for the project titled “Blind Eye Spot” in In-VIDE 2021”- UniMAP Malaysia held on November, 2021.

Self-appraisal

Strength

1. Analytical skills
2. Communication skills
3. Leadership skills

Weakness

1. Self criticism
2. Taking criticism
3. Inability to delegate

Signature