



Sri Ramakrishna Institute of Technology

(An Autonomous Institution)


(Accredited by NAAC with "A" Grade)

Pachapalayam, Perur Chettipalayam, Coimbatore – 641 010

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Faculty Profile

Dr.J.Mala ,B.E., M.E., Ph.D., Assistant Professor, Information Technology					
Date of birth	:	30.11.1984	Gender	:	Female
Nationality	:	Indian	Marital status	:	Married
Address for correspondence	:	No.13,Sri Venkateswara Garden, Theethipalayam, Coimbatore-10.	Permanent address	:	No.13,Sri Venkateswara Garden, Theethipalayam, Coimbatore-10.
Mobile no	:	9943743921	e-mail (official)	:	mala.it@srit.org
Landline	:	Nil	e-mail (personal)	:	jmala2004@gmail.com
Date of joining	:	06.06.2008	Post of joining	:	Lecturer
No of promotions since D.O.J	:	Nil	Present post	:	Assistant Professor
Present pay scale	:	15,600-39,100	Gross pay	:	Rs.44,966
Employer ID	:	TE055	Bank account No. (Salary credited)	:	500101010539505
P.F. No	:	TN/CBE/56764/283	Group Insurance No	:	70100/48/13/42/00001717
PAN Number	:	BDKPM4633D	Aadhar Number	:	4639 4845 2001
AICTE ID	:	1-459034928	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	2006	Kamaraj College of Engineering and Technology, Virudhunagar.	Anna University	First Class
PG	Computer science and Engineering	2008	Arulmigu Kalasalingam College of Engineering, Krishnan kovil	Anna University	First Class
Ph.D	Information and Communication Engineering	2023	Anna University	Anna University	Commended
Others	NIL				

Registration for Ph.D. with area of interest:

JAN 2017-CLOUD COMPUTING

Year of Ph.D. Registration: 2017**Year of Ph.D. Completed:** 2023**Thesis Title:** Certain Methodologies on Secured Accessing and Sharing of Data through Cloud.**Supervisor Recognition Number:****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, Coimbatore	Assistant Professor	01.08.2010	Till date	13	4	17
Sri Ramakrishna Institute of Technology,	Lecturer	06.06.2008	30.07.2010	2	1	-

Coimbatore						
Total				15	5	17

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
2022-2023	IV	UITE215	Management Information Systems	T	96%
2022-2023	V	20IT012	Design and Analysis of Algorithms	T	90%
2021-2022	IV	UITE215	Management Information Systems	T	100%
2021-2022	V	UITC010	Design and Analysis of Algorithms	T	100%
2021-2022	VI	UITC202	Cloud Computing	T	100%
2021-2022	IV	UITC005	Database Management Systems	T	100%
2020-2021	V	UITC010	Design and Analysis of Algorithms	T	100%
2020-2021	VII	UITG002	Cloud Computing Fundamentals	T	100%
2020-2021	IV	UITC006	Operating Systems	T	100%
2020-2021	VI	UITG002	Cloud Computing Fundamentals	T	100%
2019-2020	V	UITC010	Design and Analysis of Algorithms	T	98%

2019-2020	I	UICE004	Computing Fundamentals and C Programming	T	85%
2019-2020	VI	UITC202	Cloud Computing	T	97%
2019-2020	IV	UITC005	Database Management Systems	T	95%
2018-2019	I	UICE005	Fundamentals of Computer Programming	T	80%
2018-2019	V	UITC010	Design and Analysis of Algorithms	T	96%
2017-2018	VII		Software Testing	T	100%
2016-2017	V		Computer Networks	T	97%
2016-2017	VII		Software Testing	T	100%
2016-2017	VIII		Cyber Forensics	T	100%
2016-2017	IV		Design & Analysis of Algorithms	T	80%
2015-2016	III		Database Management Systems	T	95%
2015-2016	IV		Design & Analysis of Algorithms	T	97%
2014-2015	III		Database Management Systems	T	87%
2014-2015	IV		Design & Analysis of Algorithms	T	90%
2013-2014	VIII		Cryptography & Network Security	T	97%
2012-2013	V		Design & Analysis of Algorithms	T	80%
2011-2012	V		Design & Analysis of Algorithms	T	95%
2011-2012	VIII		Cryptography & Network Security	T	94%
2010-2011	V		Design & Analysis of Algorithms	T	97%
2010-2011	VI		Principles of Compiler Design	T	92%
2009-2010	III		Object Oriented Programming	T	85%
2009-2010	VIII		Web Technology	T	92%

2008-2009	V		Operating Systems	T	82%
2008-2009	III		Computer Architecture	T	89%
2008-2009	VI		Cryptography & Network Security	T	97%
2008-2009	IV		Object Oriented Programming	T	92%

Laboratory Courses Handled:

Academic Year	Semester	Course Code	Course Name	Type of Course (T / L)	Pass Percentage
2008-2009	V		Operating Systems Laboratory	L	98%
2008-2009	III		Object Oriented Programming Laboratory	L	100%
2009-2010	III		Object Oriented Programming Laboratory	L	95%
2009-2010	VI		Computer Networks Laboratory	L	99%
2010-2011	V		Design & Analysis of Algorithms Laboratory	L	100%
2010-2011	III		Object Oriented Programming Laboratory	L	97%
2010-2011	VI		Compiler Design Laboratory	L	100%
2011-2012	V		Design & Analysis of Algorithms Laboratory	L	100%
2011-2012	V		Networks Laboratory	L	100%
2012-2013	V		Design & Analysis of Algorithms Laboratory	L	93%
2012-2013	V		Networks Laboratory	L	99%
2013-2014	I		Computer Practice Laboratory-I	L	100%
2013-2014	I		Computer Practice Laboratory-I	L	100%
2014-2015	V		Networks Laboratory	L	100%
2014-2015	III		Database Management Systems Laboratory	L	100%
2015-2016	I		Computer Practice Laboratory-I	L	100%

2015-2016	III		Database Management Systems Laboratory	L	100%
2015-2016	I		Computer Practice Laboratory-I	L	100%
2016-2017	V		Networks Laboratory	L	100%
2016-2017	VI		Computer Networks Laboratory	L	100%

Projects Guided

Academic Year	Semester	Project Title	UG / PG
2022-2023	VII/VIII	Secure User Authentication For Rapid Smart Home IoT Management	UG
2021-2022	VII/VIII	An Improved Authentication Scheme for Data Access And Sharing Over Cloud Storage Using Cryptographic Algorithm	UG
2021-2022	VII/VIII	Predicting Consumer Buying Behavior In Online Shopping Using Machine Learning Techniques	UG
2020-2021	VII/VIII	Remote Data Integrity Auditing In Cloud Storage	UG
2019-2020	VIII	IoT Based Smart Security System	UG
2017-2018	VIII	Inventory Management System	UG
2016-2017	VIII	Payroll Integrated Information System for Modern Enterprises	UG
2015-2016	VIII	Leave Management System	UG
2014-2015	VIII	Security Enhancement Using Ciphertext Policy Based Encryption In Data Sharing	UG
2013-2014	VIII	Mobile Theft Tracker System	UG
2013-2014	VIII	Sinktrail Protocol for Wireless Sensor Networks	UG
2012-2013	VIII	Slicing a New approach for privacy preserving data publishing	UG
2012-2013	VIII	Blue chat & TTS(Android)	UG
2011-2012	VIII	Extended Xml Tree Pattern Matching	UG
2011-2012	VIII	Secure Key Communication Using Elgamal Digital Signature	UG
2010-2011	VIII	Effective XML keyword search using TF*IDF	UG

Publications

Publications	SCI / Scopus / Web of Sciences	Others
Journal	2	9
Conferences	1	2

Journal Publications (IEEE format)

1. J.Mala, etal., “Deep multilayer perceived policy attribute Lamport certificate less signcryption for secure data access and sharing in cloud”, Journal for Distributed and Parallel databases,(SCI-SPRINGER Publication), Volume: 40,Issue no:1, March 2022.
2. J. Mala, etal., “An Enhanced Resource Allocation Scheme for MIMI-OFDMA Wireless Network to Support Multiple Users with Reduced Interference Rate”, “International Journal of Printing, Packaging & Allied Sciences (IJPPAS)”, ISSN 2320- 4387, Volume. 4, No. 2, Pages:1400-1409, December 2016.
3. J. Mala, etal., Detecting Fake Accounts on Social Media Networks using Machine Learning, International Journal For Science And Advance Research In Technology(IJSART), Volume 9, Issue 5, MAY 2023.
4. J. Mala, etal., Cryptocurrency Price Prediction using Deep Learning, International Journal For Science And Advance Research In Technology(IJSART), Volume 9, Issue 5, MAY 2023.
5. J.Mala, An Enhanced Resource Allocation Scheme for MIMI-OFDMA Wireless Network to Support Multiple Users with Reduced Interference Rate”, International Journal of Printing, Packaging & Allied Sciences (IJPPAS), 2016.
6. J. Mala, etal.,”Search Engine Optimization Using Fuzzy Ontology Generation Framework”, ”International Journal for Research in Science Engineering and Technology(IJRSET)”, ISSN 2394-739X, Volume 2, Issue 12, Pages: 26-31, November 2015.
7. J.Mala, etal., paper ”A Survey On Power Aware Routing Protocol For Wireless Sensor Networks”, “International Journal for Scientific Research & Development (IJSRD)”, ISSN (online): 2321-0613,Volume. 3, Issue 09, 2015, Pages: 451-454. November 2015.
8. J.Mala , etal., “Comparison of TDMA based Routing Protocols for Wireless Sensor Networks-A Survey”, International Journal of Innovations & Advancement in Computer Science (IJIACS)”,ISSN 2347 – 8616,Volume 6, Issue 8, Pages:350-354,August 2017.
9. J.Mala , etal., “Smart Safeguard System for Motorcycle using Arduino” , International Journal of Current Advanced Research, Vol.9, Issue.2, Feb 2020, DOI:<http://dx.doi.org/1024327/ijcar.2020.21414.4206>
10. J.Mala , etal., Certain Investigations On Hierarchical Routing-Leach Protocol, International Journal of Science Innovations and Discoveries 5 (6), 219-222,2019.

Conference Publications (IEEE format)

1. J.Mala, etal., "Spatially Correlated Boltzmann Deep Learning Lamport Session Discrete Certificateless Signcryption for DoS Attack Detection and Secured WSN Communication", Proceedings of the International Conference on Electronics and Renewable Systems (ICEARS 2022), August 2022.
2. J.Mala, etal., "Comparison of TDMA based Routing Protocols for Wireless Sensor Networks-A Survey", International Journal of Innovations & Advancement in Computer Science (IJIACS),2017.
3. J.Mala,etal., Emerging Trends in Science, Engineering, Technology, Management and Applications held at Nehru Institute of Engineering and Technology conducted by 31.03.2017.

Books / Book Chapters (IEEE format)

1. J.Mala, etal., Temperature Distribution Detection in Farming Lands using Farming Stick, Research Trends in Agriculture Sciences, PP no: 93-104, Volume – 28, 2022, AkiNik Publications, New Delhi.

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 in the Two Days Workshop on "Advances in Artificial Intelligence"on 22.12.2016-23.12.2016 conducted by Sri Ramakrishna Institute of Technology, Coimbatore.
2. Attended in the One Day Workshop on "Linux Administration and Kernel Programming" on 13.02.2015 conducted by Sri Ramakrishna Institute of Technology, Coimbatore.
3. Attended in the One day National Level Seminar on "Digital Image Processing and its Applications" on 03.03.2015 conducted by Sri Ramakrishna Institute of Technology, Coimbatore.
4. Attended in the Workshop on "Linux Administration and Kernel Programming" on

- 13.02.2015 conducted by Sri Ramakrishna Institute of Technology, Coimbatore.
5. Attended in the One day “Research Seminar on Cloud Computing” on 08.12.2014 conducted by SNS College of Technology, Coimbatore.
 6. Attended in the Two Week ISTE Workshop on “Computer Programming” conducted by IIT Bombay from 16.06.2014 to 21.06.2014
 7. Attended in the One day National Level Seminar on ‘Research Methodologies in Information and Communication Technology’ on 01.03.2014 conducted by Sri Ramakrishna Institute of Technology, Coimbatore.
 8. Attended in the One day Workshop on Linux Conducted remotely from IIT Bombay on 10.09.2013.
 9. Attended in the One day Workshop on Linux Conducted by remotely from IIT Bombay on 02.02.2013.
 10. Attended in the One day Workshop on Latex Conducted by remotely from IIT Bombay on 02.02.2013.
 11. Attended in the One day Workshop on PHP Conducted by remotely from IIT Bombay on 02.02.2013.
 12. Attended in the One day Workshop on Python Conducted by remotely from IIT Bombay on 02.02.2013.
 13. Attended in the One day National Level Seminar on “Cloud Computing and its Applications” conducted by Infosys on 01.02.2013.
 14. Attended in the two day ISTE Workshop on “Aakash for Education” conducted by IIT Bombay on 10.11.2012 to 11.11.2012.
 15. Attended in the One day Workshop on “Open Source Software” on 27.09.2012 conducted by Sri Ramakrishna Institute of Technology, Coimbatore.
 16. Attended in the One day Workshop on “Need Based Approach for Effective Teaching” on 21.06.2011 conducted by Sri Ramakrishna Institute of Technology, Coimbatore.
 17. Attended in the two day Workshop on “J2EE & Web Sphere Admin” from 25.9.2009 to 26.9.2009 at National Engineering College, Kovilpatti.

Faculty Development Program attended (from recent)

1. Participated in “Cloud Computing” Faculty Training Program for the Naan Mudhalvan program, the prestigious Skill Development initiative by the Tamil Nadu Government in the month of October 2022.
2. Participated in AICTE Training and Learning (ATAL) Academy Online FDP on "Cyber Security" from 18.01.2021 to 22.01.2021 at St. Joseph's Engineering College.
3. Participated in Amrita - Hebeon Online Webinar cum Workshop on "Data Science using Python" for faculty members using Microsoft Teams Platform Organized by Amrita College of Engineering and Technology, Nagercoil and Hebeon Technologies, Hyderabad during 17.06.2020 to 25.06.2020.

4. Participated in AICTE sponsored online short term training programme on “Recent Trends in Artificial Intelligence and Soft Computing - II” organized by the Department of Information Technology from 03.08.2020 to 08.08.2020 at RMD Engineering College.
5. Participated in Online STTP on "Industrial IoT and Industry 4.0 - Smart Industry Automation", organized by the Department of Electronics and Instrumentation Engineering from 11.08.2020 to 15.08.2020 at Kongu Engineering College.
6. Participated in AICTE sponsored online short term training programme on “Machine Learning and Internet of Things for Industrial Applications organized by the Department of Information Technology from 24.08.2020 to 29.08.2020 at Dr.N.G.P. Institute of Technology.
7. Participated in AICTE Training and Learning (ATAL) Academy Online FDP on "Data Sciences" from 07.09.2020 to 11.09.2020 at Erode Sengunthar Engineering College.
8. Participated in Attended AICTE Training and Learning (ATAL) Academy Online FDP on "Data Sciences" from 02.11.2020 to 06.11.2020 at Hindusthan College of Engineering and Technology.
9. Participated in FDP on “Frontiers in Machine Intelligence and Soft Computing” organized by the E & ICT Academy, National Institute of Technology, Warangal at Reva University, Bengaluru during 10.06.2019 to 15.06.2019.
10. Attended in the Two days FDP on “Applied Operations Research ”on 06.04.2017-07.04.2017 conducted by Sri Ramakrishna Institute of Technology, Coimbatore.
11. Attended in the One Week FDP on “Multi-Core Architectures and Programming” on 21.11.2016-27.11.2016 conducted by Sri Ramakrishna Institute of Technology, Coimbatore.
12. Attended in the Two days FDP on “Introduction to MATLAB and its Application in Engineering” on 15.11.2016-16.11.2016 conducted by Sri Ramakrishna Institute of Technology, Coimbatore.
13. Attended in the One Week FDP on “Design and Analysis of Algorithms” on 25.01.2016 to 29.01.2016 conducted by SSN College of Engineering, Chennai.
14. Attended in the Two Week ISTE STTP on “Introduction to Design of Algorithms” on 27.04.2015 to 30.05.2015 conducted by IIT Kharagpur.
15. Attended in the One Week Faculty Development Training Programme on “Grid and Cloud computing” conducted by Anna University Chennai from 18.05.2015 to 25.05.2015.

Events Organized (from recent)

Conference: NIL

FDP: NIL

Workshops:

1. Workshop organized in the titled “Mobile Application Development” on 19.01.2023 by the Industry expert.
2. Workshop organized in the titled “Block chain and its application” on 13.09.2019 by the Industry expert.

3. Workshop organized in the titled Linux Conducted remotely from IIT Bombay on 10.09.2013.

Seminars

1. Seminar organized in the titled “Quality time in Quarantine with recent trends in IT Industry” on 02.06.2020 by the Industry expert.
2. Seminar organized in the titled” Digital Image Processing and its Applications” on 03.03.2015.
3. Guest Lecture organized in the titled “Microsoft Azure” on 27.04.2021 by the Industry expert.
4. Guest Lecture organized in the titled “Android OS-Real time applications and trends” on 28.04.2021 by the Industry expert.

Online Courses Completed

Sl. No.	Title	Platform
1.	Work Smarter, Not Harder: Time Management for Personal & Professional	Coursera
2.	Introduction to Google Docs	Coursera
3.	Support Vector Machines in Python, from start to finish	Coursera
4.	Mindshift: Break Through Obstacles to Learning and Discover Your Hidden Potential	Coursera
5.	CRUD operations using MongoDB NoSQL	Coursera
6.	Hierarchical Clustering: Customer Segmentation	Coursera
7.	Internet History, Technology, and Security	Coursera
8.	Cloud Computing	NPTEL
9.	Introduction to Internet of Things	NPTEL
10.	Software Engineering	NPTEL

Awards and Recognitions Secured

1. Received Radhakrishnan Award for the Excellence of teaching in the academic by the Alumni Association Meet organized by Sri Ramakrishna Institute of Technology,2018.

Self appraisal:

Major Strengths:

1. Curiosity and eagerness to learn new things.
2. Ability to adapt and adjust to changing situations.

3. Strong work ethic and determination to succeed.

Major Weakness:

Overthinking, Saying “No” .

Signature