



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

Full name with Qualification, Designation and

Department:

Ms.K.Saranya

Assistant Professor,

Computer Science and Engineering



Date of birth	:	24-09-1991	Gender	:	Female
Nationality	:	Indian	Marital status	:	Married
Address for correspondence	:	No 3 Machampalayam road,Sundarapuram ,Coimbatore-24	Permanent address	:	No 3 Machampalayam road,Sundarapuram ,Coimbatore-24
Mobile no	:	9080203404	e-mail (official)	:	Saranya.cse@srit.org
Landline	:	-	e-mail (personal)	:	Saranyak249@gmail.com
Date of joining	:	15.06.2023	Post of joining	:	Assistant Professor
No of promotions since D.O.J	:	-	Present post	:	Assistant Professor
Present pay scale	:	15600-39100+AGP 6000	Gross pay	:	38666
Employee ID	:	TE239	Bank account No. (Salary credited)	:	500101010689694
P.F. No	:	TN/CBE/56764/691	Group Insurance No	:	70100/48/13/42/00001717 United India Insurance
PAN Number	:	EDJPS2576F	Aadhar Number	:	353906252658
AICTE ID	:	1-2650587188	AICTE Institution ID	:	1-7841521

Educational Qualification

Degree	Specialization	Year of Passing	Name of the College	Name of the University	Class Obtained
UG	B.Tech IT	2013	Sri Ramakrishna Institute of Technology, Coimbatore	Anna University Chennai	First Class
PG	Computer Science and Engineering	2015	Hindustan Institute of Technology, Coimbatore	Anna University Chennai	First Class with distinction

Registration for Ph.D. with area of interest:**Year of Ph.D. Registration:** January 2017**Year of Ph.D. Completed:**

Thesis Title: Certain Investigation on Feature Selection Technique for Color Visualization Tasks Using Evolutionary Algorithm.

Supervisor Recognition Number: Paulraj M / / 2740082**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	25.06.2015	-	8	5	2
Total				8	5	2

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
2023-24	5	20CSE02	Introduction To AI	T	
2023-24	5	20CSE02	Introduction To AI	T	
2022-23	7	UCSG005	Soft Computing and its applications	T	92
2022-23	7	UCSG005	Soft Computing and its applications	T	86
2022-23	6	20CSE01	Basics of Python Programming	T	90
2022-23	6	20CSE01	Basics of Python Programming	T	94
2021-22	3	20CS009	Artificial Intelligence	T	86
2021-22	8	UCSG005	Soft Computing And Its Applications	T	92
2020-21	6	UCSC010	Distributed System	T	100
2020-21	2	20CSG01	Object Oriented Programming With C++	T	100
2020-21	2	20CSG02	Object Oriented Programming With C++ Laboratory	T	100
2020-21	03	UICE017	Oops With C++ And Java	T	100
2020-21	03	UICE007	Object Oriented Programming With C++ And Java	T	100
2020-21	03	PMGG003	Intellectual Property Rights	T	100
2020-21	01	20ITG02	Programming In C Laboratory	L	100
2020-21	01	20ITG01	Programming For Problem-Solving Using C	T	94
2019-20	4	UCSC004	Computer Organization And Design	T	85
2019-20	4	UCSE009	Software Engineering	T	98
2018-19	5	CS650	Internet Programming	T	84
2018-19	4	IT6601	Mobile Computing	T	89
2018-19	4	IT6601	Mobile Computing	T	92
2018-19	1	UICE004	Computing Fundamentals And C Programming	T	86
2017-18	5	CS6512	Internet Programming Laboratory	L	100

2017-18	6	CS6611	Mobile Application Development Laboratory	L	100
2017-2018	7	EC6009	Advanced Computer Architecture	T	82
2017-2018	6	IT6601	Mobile Computing	T	94
2017-18	5	CS6512	Internet Programming Laboratory	L	100
2017-18	6	CS6611	Mobile Application Development Laboratory	L	100
2016-2017	7	EC6009	Advanced Computer Architecture	T	86
2016-2017	1	CP7102	Advanced-Data Structures And Algorithm	T	100
2016-2017	6	CS6303	Computer Architecture	T	100
2016-17	5	CS6512	Internet Programming Laboratory	L	100
2015-16	4	CS6303	Computer Architecture	T	100
2015-16	5	CS6403	Software Engineering	T	100
2015-16	1	GE6151	Computer Practices Laboratory	L	100

Projects Guided

Academic Year	Semester	Project Title	UG / PG
2022-23	8	A Real Time Speech To Text Conversion System Using Deep Learning Technique	UG
2022-23	8	Certain Investigation On Various Feature Extraction Techniques For Color Perception Using Eeg Signals	UG
2021-22	8	Classification of visually evoked potential for color perception using soft computing techniques	UG
2021-22	8	Classification of EEG Signals on Emotion Using Artificial Neural Network	UG
2020-21	8	E-DEFENCE WOMEN SAFETY APPLICATION	UG
2020-21	8	Monitoring and control of the Greenhouse Environment	UG
2019-20	8	Smart Workload Manager in Cloud Computing Using Amazon Web Service	UG
2018-19	8	Cooking Recipe Rating Based on Sentiment Analysis	UG
2017-18	8	UnphishMe: An Android application to detect phishing websites in smartphones	UG

2016-17	8	Automatic itinerary planning for travelling services using greedy-based approximation algorithm	UG
2015-2016	8	Cocktail Approach for Travel Package Recommender System	UG

Publications

Publications	SCI / Scopus / Web of Sciences	Others
Journal		
Conferences		

Journal Publications (IEEE format)

1. Saranya, K. et al. 'Fractal Based Feature Extraction Technique for Classifying EEG Signal for Color Visualization Tasks'. 1 Jan. 2023 : 1 – 10. DOI: 10.3233/JIFS-235469 Journal: Journal of Intelligent & Fuzzy Systems, vol. Pre-press, no. Pre-press, pp. 1-10, 2023.
2. Brindha M, Vijayalakshmi A, Saranya K., and Saikethana J.” Skin cancer classification using deep learning”,AIP Conference Proceedings 2523, 020135(2023),<https://doi.org/10.1063/5.0111460>,volume 2523, issue 1,published online January 30,2023.
3. Saranya K , Dr.M.Paulraj, S.J Savitha” Certain Investigation on the Development and Recent Trends in Brain Computer Interface- A Review” ISSN (Online): 2456-8910International Journal of Innovative Research in Applied Sciences and Engineering (IJIRASE) Volume 4, Issue 6, DOI: 10.29027/IJIRASE.v4.i6.2020.793-801, December 2020.
4. Ms.K.Saranya,” Classification of Visually Evoked Potential for Color Perception Using Soft Computing Techniques”, International Journal of Advances in Engineering and Management (IJAEM),Volume 4, Issue 5 May 2022, pp: 1512-1522 www.ijaem.net ISSN: 2395-5252.
5. Ms.K.Saranya “Classification of EEG Signals on Emotion UsingArtificial Neural Network”IJSART - Volume 8 Issue 5 – MAY 2022 ISSN [ONLINE]: 2395-1052Page | 358 www.ijstart.com.
6. Saranya K,” E-Defence Women Safety Application”, International Journal of Advanced Engineering Science and Information Technology (IJAESIT)ISSN: 2349-3216Vol.4, No.4, April 202172.
7. Saranya.K.,” Monitoring and control of Greenhouse Environment”, International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 Volume 9, Issue 3, March -2021, Impact Factor: 7.429, Available online at: www.ijaresm.comIJARESM .

8. Rajesh S. and Saranya K (2020); IOT BASED SMART FARMING STICK - A SURVEY Int. J. of Adv. Res. 8 (Jan). 731-734] (ISSN 2320-5407). www.journalijar.com.
9. Saranya K,"An App For Phishing Attack Detection"International Journal Of Information And Computing Science,Volume 6, Issue 4, April 2019,ISSN NO: 0972-1347.
10. MOTION BASED OBJECT DETECTION METHOD FOR VISUALLY IMPAIRED PEOPLE", International Journal of Emerging Technologies and Innovative Research (www.jetir.org | UGC and issn Approved), ISSN:2349-5162, Vol.5, Issue 12, page no. pp112-118, December-2018, Available at : <http://www.jetir.org/papers/JETIR1812816.pdf>.
11. Saranya K," Continuous Authentication System Using Multiple Modalities" International Journal Of Pure And Applied Mathematics Volume 117 No. 15 2017, 1129-1142 ISSN: 1311-8080 (Printed Version); ISSN: 1314-3395 (On-Line Version) Url: [Http://Www.Ijpam.Eu](http://Www.Ijpam.Eu) Special Issue.
12. S.J. Savitha, D. Betteena Sheryl Fernando, K. Saranya "Building a Scalable Eservice Recommender System". International Journal of Computer Trends and Technology (IJCTT) V46(1):5-9, April 2017. ISSN:2231-2803. www.ijcttjournal.org. Published by Seventh Sense Research Group.
13. Saranya, K. et al. "A Review on Advanced Algorithms in Recommender Systems." (2017).
14. Saranya K et al. "Certain Investigations on Delay Guaranteed Routing Protocols for WSN - A Survey." International Journal on Computer Science and Engineering 3 (2016): 10-13.

Conference Publications (IEEE format)

1. Saranya. K and Paulraj. M., "Certain Investigation on Eeg Signal Processing Using Auto Regression Feature for Various Colour Stimuli," 2023 International Conference on Intelligent Systems for Communication, IoT and Security (ICISCoIS), Coimbatore, India, 2023, pp. 247-252, doi: 10.1109/ICISCoIS56541.2023.10100447.

Books / Book Chapters (IEEE format)

1. K. Saranya, M. Paulraj, and M. Brindha" A Survey on Feature Selection and Classification Techniques for EEG Signal Processing" Proceedings of International Conference on Deep Learning, Computing and Intelligence, Advances in Intelligent Systems and Computing 1396, https://doi.org/10.1007/978-981-16-5652-1_13.
2. S J Savitha, Dr M Paulraj, K Saranya "Emotional Classification Using EEG Signals and Facial Expression: A Survey", Deep Learning Approaches to Cloud Security, Wiley Online Library, 24 December 2021 <https://doi.org/10.1002/9781119760542.ch3>.

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

Particulars	Title	Date	Venue
Workshop	One Day Python workshop for Teachers.	22/06/2019	IIT BOMBAY
WorkShop	Research Methodology and Writing Funding Proposals	22/12/2017	SRIT-Coimbatore
Attended 3 days FDP	Soft computing techniques using MATLAB for Engineering Research	09/08/2017-11/08/2017	SRIT-Coimbatore
Attended one day online conference	AWS INNOVATE	19/07/17	SRIT-Coimbatore
Workshop	Big data analytics	19/06/2017&20/06/17	CSIR sponsored, VSBEK, Karur
1 week Training Programme	Artificial Neural Network and Fuzzy Logic	24/04/2017-28/04/2017	IIT Bombay through AVIEW mode
Workshop	Internet of Things-An Initiative	28/11/2016-30/11/2016	SRIT,CBE
1 week FDP	Multi-core Architecture and Programming	21/11/2016-27/11/2016	SRIT,CBE
3 days FDP	“My Profession,My Commitment,My life”	16/11/16 - 18/11/16	SRIT,CBE
Workshop attended	A four weeks ISTE Workshop on “Use of ICT in education for online Blended Learning, conducted by IIT Bombay.	June 2016	SRIT,CBE

1 day Seminar	Artificial Intelligence	9/4/16	SRIT,CBE
1 week FDP	Distributed systems	2/12/15- 8/12/15	SREC,CBE

Faculty Development Program attended (from recent)

Sl.No.	Title	No. of days	Organization	Date
1	"Innovative Teaching and Outcome Based Education"	6	Dhirajlal Gandhi College of Technology, Salem	07.02.2022 to 12.02.2022
2	Emerging applications in image processing	5	Rajalakshmi institute of technology Chennai	1/3/22 to 5/3/2022
3	Machine Learning and Artificial Intelligence in Data Science (Phase-II)	14	PACE Institute of Technology and Sciences	24 th may to 2 nd june 2021
4	Quantum Computing Algorithms and Machine Learning	5	R V College of Engineering and CIRQuIT Quantum Research	2nd to 6th August 2021
5	Quantum Computing Algorithms and Machine Learning	5	R V College of Engineering and CIRQuIT Quantum Research	2nd to 6th August 2021
6	Machine Learning and Artificial Intelligence in Data Science(Phase-II)	14	PACE Institute of Technology and Sciences	24 th may to 2 nd June 2021
7	Applications of Data Analytics in Business	5	Karpagam College of technology	1st July 2020 to 5th July 2020 ,
8	Emerging Trends in Electric Vehicle, Lighting and Automation"	5	Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College, AVADI, Chennai	26th-30th May, 2020.
9	Data Science USING R PROGRAMMING and GEO GEBRA(Under DBT Star College Scheme)	4	IIT Bombay	11 th to 14 th May 2020
10	Short term course on "Optimization Techniques with Engineering Applications"	5	Sri Ramakrishna Institute of Technology.	10/12/2018 To 14/12/18

Events Organized (from recent)

S.No	Date	Title	Institution	Target Audience
1	20.11.2023	Mock Interview	Sri Ramakrishna Institute of Technology.	All department Final Years
2.	02.11.2023	Front End Development using Nodejs	Sri Ramakrishna Institute of Technology.	Third Year CSE
3.	27.7.2023	Alumni Scholarship Awards	Sri Ramakrishna Institute of Technology.	All Department and year
4	15.03.2023	No Code Low Code	Sri Ramakrishna Institute of Technology.	All department Final Years
5	13.02.2023	Alumni Series Week	Sri Ramakrishna Institute of Technology.	All department Final Years
6	10.08.2019	Software Defined Networking	Sri Ramakrishna Institute of Technology.	Third Year CSE
7	11.2.2019	Docker- A devops approach	Sri Ramakrishna Institute of Technology.	Third Year CSE
8	16.11.2017	Web development, Workshop 2017	Sri Ramakrishna Institute of Technology.	First year CSE
9	23.07.2016	“One day hands-on workshop on Java Script”	Sri Ramakrishna Institute of Technology.	Second year CSE students

Conference

S.No	Title	Date	Venue
1.	Intelligent Systems and Control ISCO 2023	11/03/2023	Karpagam College of Technology
2	ICISCOIS -2023	04/01/2023	PSG College of Technology
3	International Conference On Recent Trends In Engineering And Scientific Technology (Ictest 2020)	15/04/2022	Rathinam Technical Campus
4	International Conference on Mathematical Computer Engineering ICMCE'15.,Chennai,	14/12/2015	Vellore Institute of Technology

Online Courses Completed

Sl. No.	Title	Platform
1	AI For Everyone	Coursera
2	Work Smarter, Not Harder: Time Management for Personal & Professional Productivity	Coursera
3	The Science of Success: What Researchers Know that You Should Know	Coursera

4	Cloud Computing Basics (Cloud 101)	Coursera
5	Create a Business Marketing Brand Kit Using Canva	Coursera
6	Introduction to big data	Coursera
7	Use Canva to Design Digital Course Collateral	Coursera
8	Create a Project management tracker using google Sheets	Coursera
9	Smart English Basics for Professionals	Great Learn
10	MySQL Basics	Great Learn
11	Fundamentals of AI	NPTEL
12	Faculty Enablement Program (FEP) on Java Programming	Infosys

Awards and Recognitions Secured

- Received **Young Educator Award** for contribution to Computer Science & Engineering. This is a national award of the National Foundation for Entrepreneurship Development (NFED) (In Pursuance to Create Socio-Economic Sustenance through Entrepreneurship Development) bestowed on educators nationwide since 2010.

Major Strengths

- Finishing the work that is started.
- Analyzing the depth of any situation.

Major Weakness

- My Strength is my Weakness

Signature