

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 Q	Full name with Qualification, Designation and					
Department:	Department:					
Dr. R KUMAR, M	A.E	, Ph.D.,			Photo Soft copy	
Associate Professo	or,					
Computer Science	e an	d Engineering		_		
Date of birth	:	16/05/1983	Gender	:	Male	
Nationality	:	Indian	Marital status	:	Married	
Address for correspondence	:	7, INTUC Nagar, Thoundamuthur Road, Sundappalayam Post, Coimbatore 641010.	Permanent address	:	7, INTUC Nagar, Thoundamuthur Road, Sundappalayam Post, Coimbatore 641010	
Mobile no	:	97866 99809	e-mail (official)	:	kumar.cse@srit.org	
Landline	:	-	e-mail (personal)	:	profkumarr.cse@gmail.com	
Date of joining	:	02/01/2023	Post of joining	:	02/01/2023	
No of promotions since D.O.J	:	-	Present post	:	Associate Professor	
Present pay scale	:	37400-67000	Gross pay	:	61812	
Employer ID	:	TE434	Bank account No. (Salary credited)	:	500101010539212	
P.F. No	:	TN/CBE/56764/10957	Group Insurance No	:	-	
PAN Number	:	AWRPK5743P	Aadhar Number	:	461764281232	
AICTE ID	:	1-43490860731	AICTE Institution ID	:	1-7841521	

Educational Qualification

Degree	Specialization	Year of Passing	Name of the College	Name of the University	Class Obtained
PG	Information Technology (5 Years Integrated)	2005	SSM College of Engineering	Periyar University, Salem	First Class
PG	Computer Science and Engineering	2077	Sri Krishna College of Engineering and Technology	Anna University, Chennai	First Class
Ph.D	Information and Communication Engineering	2015	Coimbatore Institute of Technology	Anna University, Chennai	Recommended
Others			NIL		

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

Year of Ph.D. Registration: 2009 Year of Ph.D. Completed: 2015

Thesis Title: SECURE ROUTING IN WIRELESS NETWORKS USING CONGITIVE SCIENCE

APPROACH

Supervisor Recognition Number: 2740157

Ph.D. Scholar Details

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

Academic Experience

Name of the College	Designation	Joining	Relieving	Experience		
	Date		Date	Years	Months	Days
Sri Ramakrishna Institute of Technology	Assistant Professor	25/06/2007	31/05/2018	10	11	-
CMS College of Engineering and Technology	Associate Professor	04/07/2018	30/12/2022	4	6	-
Sri Ramakrishna Institute of Technology	Associate Professor	02/01/2013	Till Date	-	10	-

Total	16	2	
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Industrial Experience

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

Courses Handled

Academic Year	Semester	Course Name	Type of Course (T / L)	Pass Percentage
2007-2008	ECE-A VII	Internet and Java	Т	97
2007-2008	CSE VII	Internet Programming	Т	96
2008-2009	IT - V	Computer Networks	Т	91.6
2008-2009	IT - VI	Network Programming and Management	Т	96.6
2009-2010	IT - VII	Mobile Computing	Т	86.6
2010-2011	IT - VI	Computer Networks	Т	87.8
2010-2011	IT - VII	TCP\IP Design & Implementation	Т	100
2010-2011	IT –VIII	High Speed Networks	Т	96.1
2011-2012	IT - VIII	Mobile Computing	Т	84
2011-2012	IT-VIII	Elective V – High Speed Networks	Т	94
2012-2013	IT-V	Computer Networks	Т	88
2012-2013	IT-VIII	Elective V - High Speed Networks	Т	95
2013-2014	IT-V	Computer Networks	Т	95
2013-2014	IT-VII	TCP/IP Design and Implementation	Т	99
2013-2014	IT-VI	Network Programming and Management	Т	78
2014-2015	IT-V	Computer Networks	Т	88
2015-2016	ECE – III	Object Oriented Programming and Data Structures	Т	89
2015-2016	IT-VI	Mobile Computing	Т	100
2016-2017	ECE – III	Object Oriented Programming and Data Structures	Т	89
2016-2017	IT-VII	Information Management	Т	100
2016-2017	IT-VI	Mobile Computing	Т	93
2016-2017	IT-VIII	Service Oriented Architecture	Т	100
2017-2018	ECE – III	Object Oriented Programming and Data Structures	Т	87

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2018-2019	CSE-VII	High Speed Networks	Т	92
2018-2019	CSE-III	Object Oriented Programming using	Т	82
		JAVA		
2018-2019	CSE-VIII	Cryptography and Network Security	Т	89
2018-2019	CSE-VI	Database Management Systems	Т	92
2019-2020	CSE-VII	High Speed Networks*	Т	100
2019-2020	CSE-III	Object Oriented Programming using	Т	100
		JAVA*		
2020-2021	EEE-VI	Object Oriented Programming using	Т	100
		JAVA*		
2020-2021	CSE-VIII	Cryptography and Network Security*	Т	100
2020-2021	CSE-VI	Database Management Systems*	Т	100
2021-2022	CSE-VIII	Cryptography and Network Security	Т	96
2021-2022	CSE-III	Object Oriented Programming using	Т	83
		JAVA		
2022-2023	CSE-VII	Full Stack Programming	Т	96
2022-2023	ECE-VI	Basics of Python Programming	Т	95

Projects Guided

Academic Year	Semester	Project Title	UG / PG
2017-2018	VIII	Design of An SKU based Advanced Inventory	UG
		Management System for educational organisations	00
2016-2017	VIII	Intellectual Way Finder for Sri Ramakrishna Institute	UG
		of Technology	
2015-2016	VIII	Soil Moisture Sensor System using Intel Galileo	UG
2015-2016	VIII	Cipher X-Ray:A framework to monitor the malwares	UG
		in the network	
2014-2015	VIII	Real time disaster intimation through social	UG
		networking	
2014-2015	VIII	An Efficient Trie-based Method for Entity Extraction	UG
2013-2014	VIII	Effective Data Transmission with Network Analyzer	UG
2012-2013	VIII	Smart PDF reader for Android	UG
2011-2012	VIII	Smart Bus Finder	UG
2011-2012	VIII	Multipath Optimized Link state Routing for Mobile	UG
		Adhoc Networks	
2011-2012	VIII	Performance Evaluation of Gateway Discovery	UG
		Approaches in Integrated MANET-Internet Scenario	
2010-2011	VIII	Improving location accuracy in mobile sensor	UG
		networks	
2010-2011	VIII	A Cryptography Approach to defend Against IP	UG
		snooping	

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2009-2010	VIII	Design of An SKU based Advanced Inventory	UG
		Management System for educational organisations	
2009-2010	VIII	Intellectual Way Finder for Sri Ramakrishna Institute	UG
		of Technology	
2008-2009	VIII	Soil Moisture Sensor System using Intel Galileo	UG
2007-2008	VIII	Cipher X-Ray:A framework to monitor the malwares	UG
		in the network	

Publications

Publications	SCI / Scopus / Web of Sciences	Others
Journal	11	5
Conferences	1	-

Journal Publications

- 1. S. Aramuthakannana, M. Ramya Devi, S. Lokesh and R. Kumar, "Movie recommendation system using taymon optimized deep learning network", Journal of Intelligent & Fuzzy Systems, IOS Press, 2023,
- Balamurugan Easwaran, S. Aramuthakannan, S. Lokesh, R. Kumar, Kuntal Jyoti Saikia, Utpal Saikia, "A Study on the Use of Data Science in Healthcare Applications and the Mathematical Issues in Data Science", Journal Of Algebraic Statistics, Publishoa, 2022, https://publishoa.com/index.php/journal/article/view/910
- R.Kumar, S.Lokesh, M.Ramya Devi, "Identifying Camouflaging Adversary in MANET Using Cognitive Agents", An International Journal Wireless Personal Communication, ISSN 0929-6212, pp 1 -15, February 2018. SNIP:0.726, SJR:0.313, CITE Score: 1.12
- Kumar R, Abirami R, "A Novel Database System Model for Automated Fee Collection System", International conference on Modelling Simulation and Control, Vol: 1, pp.551-555, 2017.
- Dr.R.Kumar and S.Lokesh, "Fast and Secure Transmission of Information among groups using a Key Management scheme", International Journal of Computer Science and Mobile Computing, Vol.4 Issue.11, November- 2015, ISSN 2320–088X.
- 6. Kumar R and Kousalya G, "A Transactions Based Secure Routing Protocols in Wireless Networks using Cognitive Science Approach", Journal of Security and Communication Networks, Published online in Wiley, DOI:10.1002/sec1060, 2014.
- Kumar R and Kousalya G, "A Survey on Transaction Based Secure Routing in Wireless Networks", Journal of Theoretical and applied Information Technology, 2014, Vol.60, No.1, pp.165-173, ISSN: 1817-3195.

- Kumar R and Kousalya G, "Cognitive Agents Based Security Scheme to Handle Routing Loops in Wireless Networks", Journal of Computer Science 2014, Vol.10, No.10, DOI:10.3844, pp.1712-1724, ISSN:1549-3636.
- 9. Srihari K, Kumar R and Rajesh S, "Certain investigation on multicasting using various algorithms". International Journal of Recent Scientific Research. Vol.3, April 2014.
- Kumar R, "Performance Evaluation of Gateway Discovery Approaches in the Integrated Mobile AdHoc Network (MANET) – Internet Scenario", International Journal of Computer Technology and Electronics Engineering (IJCTEE) Vol.2, Issue 3, 2012.
- 11. Kumar R, Saravana Kumar S, "Improvement of TCP Throughput in Wireless Networks with Delay Round-Trip Time", CiiT International Journal of Wireless Communication, DOI: WC32010001, March 2010.

Patent

Title of the Patent	Application No.	Published Year
System for Efficient Transportation of Medical Oxygen to COVID Patients at Home Quarantine	202141020747	2021
Covid-19 Patient Healthcare Monitoring System Using Iot And Wearable Sensors	202241003768 A	2022
System and Method for Generating Cybersecurity Analytics of Enterprise Data Using Threat Based Artificial Intelligence	202241007240 A	2022
Ensemble Deep Learning Model for Brain Tumour Detection and Classification	202341036167 A	2023

Consultancy

S. No.	Organization/ Agency	Nature of Work	Amount in Rs.	Year
1	Mahamaya Impex, Erode	Stock pile and due maintenance automation system	45,000/-	2015- 2016
2	Fortec Engineers, Coimbatore	Website creations	34,500/-	2015- 2016
3	Sri Ramakrishna Group of Institutions, Coimbatore	Feedback Management Systems	35,000/-	2017- 2018
4	CMS Group of Institutions, Coimbatore	Course Outcomes Attained software	75,000/-	2019- 2020
5	CMS Group of Institutions, Coimbatore	Enhanced feedback management systems for NAAC	55,000/-	2021- 2022

Workshops / Seminars attended

- Attended One Day National Seminar on "Biotechnological Applications Using Fiber-Optic sensors" by Kongunadu College of Engineering and Technology, Tricy on 12th March 2022.
- 2. Attended one day workshop on "PC Troubleshooting and Networking", Sri Ramakrishna Institute of Technology on 26th October 2017.
- 3. Attended two days workshop on "Advances in Artificial Intelligence", Sri Ramakrishna Institute of Technology on 22nd and 23rd December, 2016
- 4. Attended one day International Workshop on "Outcome Based Education" by Rathinam Technical Campus on 15th and 16th September, 2016.
- 5. Attended Two Days National Seminar on "Digital Image Processing and its Applications" by Sri Ramakrishna Institute of Technology, Coimbatore on 3rd March 2015.
- 6. Attended one day workshop on "Linux Administration and Kernal Programming", Sri Ramakrishna Institute of Technology on 13th February 2015.
- 7. Attended One week workshop on "Infosys Campus Connect Program" by Infosys Solution at SRR Engineering College, Chennai on 2nd & 6th March 2013.
- 8. Attended One Workshop on "Simulation on Networks with NS2 A Practical Approach" by Sri Ramakrishna Engineering College, Coimbatore on 3rd & 4th March 2011.

Faculty Development Program attended

- Attended One week Faculty Development Programme on "Artificial Intelligence for Real Time Applications" on 25th April to 29th April, 2022 in Mepco Schlenk Engineering College, Sivakasi.
- 2. Attended Five days Faculty Development Programme on "Recent Advances in Deep Learning and its Applications" on 7th March to 11th March, 2022 in Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam.
- Attended Five days Faculty Development Programme on "Image Processing & Computer Vision" on 28-02-2022 to 04-03-2022 in Bharathiyar Institute of Engineering for Women, Salem.
- Attended Two weeks Faculty Development Program on "IoT & Applications (Smart Systems)" organised by Electronics and ICT Academics held from 14 – 25 February under IIT Guwahati.
- Attended Two weeks Faculty Development Program on "Machine Learning for Computer Vision" organised by Electronics and ICT Academics held from 21 – 04 March under IIITDM Jabalpur.

- 6. Attended Six days Short-Term training programme on "Cyber Security: Challeges and Technologies" on 03-01-2022 to 08-01-2022 in MIT Campus, Anna University, Chennai.
- Attended three days Faculty Development Programme on "Stress Management" on 11th to 13th , 2020 in ICT Academy through CMS College of Engineering and Technology, Coimbatore

Events Organized

- 1. Organized one day faculty development program on How to write course outcomes on 17.08.2018.
- 2. Organized two days hands on workshop PHP and MySQL on 13.09.2019 & 14.09.2019.
- Organized two days hands on workshop Web Framework using Bootstrap 4 on 03.08.2019 & 04.08.2019.
- 4. Organized one day faculty development program on Attainment of Course Outcomes on 12.09.2018.
- 5. Organized one day faculty development program on How to write course outcomes on 17.08.2018.
- 6. Organized National Conference on Innovative Technologies In Computer CCCA'15 on 13.03.2015.
- 7. Organized National Level Technical Symposium- Xplosion'15 on 25.02.2015
- 8. Organized Two days Faculty Development Program on .Net Framework from 13.06.2014 to 14.06.2014.
- 9. Organized National Level Technical Symposium Xplosion'13 on 01.10.2013.
- 10. Organized Interaction Programme on Web Application Development 29.03.2013 & 30.03.2013.
- 11. Best Faculty Award for beign an outstanding teaching performance for the Acadmic year 2012-2013.
- 12. Organized Guest Lecture on Computer Networks.
- 13. Organized National Innovative Technologies In Computer CCCA'13 on 15.03.2013.

Value Added Course Handled

Name of the course	Reason(s) for creating facility	Utilization	Areas in student's are expected to have enhanced learning
Bootstrap Framework	To acquire knowledge in website creating and developing	Third Year students were undergone 15 hrs/Week	HTML5, CSS3
PHP and MySQL	To acquire knowledge in website application developing and database maintaining	Third Year students were undergone hrs/Week	PHP 7.4, MySQL
Django Framework	To keep the students abreast of gaining practical knowledge and the latest technologies like MVT and its Prototypes	Final Year students were undergone 12 Hrs./Week	Python, SQLite
Programming language Training	To acquire knowledge in Programming Language such as C, C ++ along with Data Structures.	Final Year students were undergone 26 Hrs./Week	To increase the analysis skills and problem solving.

International Certificates

Title Of The Course	Provider	Certified Year
Machine Learning with Python: A Practical Introduction	edX - IBM	2021
Web Programming with Python and JavaScript	edX-HarvardX	2021
Python Data Science	IIT-Madras	2020
Introduction to Bootstrap - A Tutorial	edX-Microsoft	2018
CCNA	Cisco	2005
Microsoft Ceritified Professional	Microsoft	2005
Redhat Professional	Red Hat	2005

Awards and Recognitions Secured

• Dr.R.Radhakrishnan award received from SRIT Alumni Association for "Academic Excellence and Contributions".

Self-appraisal

Major Strengths:

- 1. Good learner & Motivator
- 2. Skillful in problem solving
- 3. Skillful in using Software

Major Weaknesses:

- 1. No Industrial Experience
- 2. postponing the less priority works
- 3. Impulsive

Signature