

FACULTY PROFILE

1. Name : Dr.Rajan.C
2. Designation : Associate Professor
3. Date of Joining : 21.07.2007
4. Nature of Association : Regular
5. Email : rajan@ksrct.ac.in



6. Academic Qualifications:

S.No.	Course	Institution	Board/ University	Percentage/ CGPA & Year of Passing	Class obtained
1.	Ph.D (Information and communication Engineering)	K.S.Rangasamy College of Technology, Tiruchengode.	Anna University, Chennai.	July 2016	Completed
2.	M.E. (Computer Engineering)	Vinaya Mission University	Vinaya Mission University.	80% June 2007	First class with Distinction
3.	B.E. (Computer Science & Engineering)	SSN College of Engineering, Chennai	University of Madras, Chennai.	70% May 2000	First class
4.	HSC	Ideal Higher Secondary School	State Board, Tamilnadu..	85% March 1999	First class
5.	SSLC	Boys Higher Secondary School Komarapalayam.	State Board, Tamilnadu.	70% April 1997	First class

7. Employment details with Experience:

S.No.	ORGANIZATION	DESIGNATION	PERIOD		YEAR OF EXPERIENCE
			FROM	TO	
1	K.S.RangasamyCollege of Technology	Associate Professor	01.06.2017	Till date	2.2
2	K.S.RangasamyCollege of Technology	Assistant Professor	01.07.2007	31.05.2017	9.11
3	S.S.M.College of Engineering	Lecturer	13.06.2004	20.07.2005	1
Total					13.2 Years

8. Title Of Ph.D Thesis : “AN IMPROVED MULTICAST ROUTE SELECTION IN MANET USING HYBRID OPTIMIZATION ALGORITHM”

9. List of Publications:

International / National Journals

1. Geetha K, & Rajan. C 2018, “A Survey of Workflow Scheduling Algorithms and its Enhancement”, Jour of Adv Research in Dynamical & Control Systems, Vol. 10, 09-Special Issue, pp.2776 – 2786.
2. Deepika J, Senthil T & Rajan C,2018, “Machine learning algorithms: a background artifact” International Journal of Engineering & Technology 7 (1), 143-149.
3. Rajan. C & Sountharajan S, Suganya E,2018,“Automatic glioblastoma multiforme detection using hybrid-SVM with improved particle swarm optimization”, International Journal of Biomedical Engineering and Technology, Vol.26 No.3/4 pp.353 – 364.
4. Rajan. C,2018, “Biclustering of Gene Expression data using Biclustering Iterative Signature Algorithm and Biclustering Coherent Column”, International Journal of Biomedical Engineering and Technology, Vol.26 No.3/4 pp.341 – 352.
5. S Sountharajan, M Karthiga, E Suganya, C Rajan.[2017], Automatic Classification on Bio Medical Prognosis of Invasive Breast Cancer, Asian Pacific Journal of Cancer Prevention 18 (9), 2541-2544.
6. Geetha K, & Rajan. C 2017, “Heuristic Classifier for Observe Accuracy of Cancer Polyp Using Video Capsule Endoscopy”, Asian Pacific Journal of Cancer Prevention 18 (6), 1681 - 1688 , 2017. ISSN: 2476 762X
7. Rajan. C & Sountharajan S, Suganya E, Aravindhraj N,2017, “HDFS Based Parallel and Scalable Pattern Mining Using Clouds for Incremental Data”, International Journal of Computer Aided Engineering and Technology.
8. Rajan. C & Suganya E, Aravindhraj N, Sountharajan S, Automatic Classification for Preventing Duplication of Online Multimedia Data in Secure Cloud Infrastructure, International Journal of Advanced Intelligence Paradigms, 2017
9. Rajan. C & E Suganya, Archana,Dr.S.Sountharajan, 2017, “Metaheuristic Optimization Technique For Feature Selection To Detect The Alzheimer Disease From MRI”, Journal of Advanced Research in Dynamical and Control Systems 9 (6), 1368-1381
10. Rajan. C & Geetha K, 2016, “Automatic Colorectal Polyp Detection in Colonoscopy Video Frames”, Asian Pacific Journal of Cancer Prevention 17 (11), 4869-4873. ISSN: 2476 762X
11. Rajan. C & Geetha K, 2016, “Hybrid Genetic Algorithm and Particle Swarm Optimization based Multicast Routing Algorithm for MANET”, International Journal of Printing,Packaging & Allied Sciences 4 (2),pp. 1392-1399.
12. Rajan. C, Geetha K & Geetha S, 2016, “An Analysis of Compression Methods and Implementation of Medical Images in Wireless Network”,World Academy of Science, Engineering and Technology, 9(9), pp. 2127-2133
13. Rajan. C, Geetha K & Geetha S, 2016, “A Study Of Medical Image Transmission Techniques In Wireless Networks”, South Asian Journal of Engineering and Technology 2 (10), pp. 43-50
14. Jaya R & Rajan. C, 2016, “A Study On Data Mining Techniques, Methods, Tools And Applications In Various Industries, International Journal on Concurrent Applied Research in Engineering and Management,vol.1, No.4, pp. 14-24
15. Rajan. C & Geetha K, 2016, “An investigation of effective medical image compression and transmission in

- wireless ad hoc networks”, *icare journal*, 1 (4), pp.173-179.
16. Madhusudhanan B, Chitra S & Rajan. C, 2015, Mobility Based Key Management Technique for Multicast Security in Mobile Ad Hoc Networks, *The Scientific World Journal*, Hindawi Publishing Corporation. ISSN: 2356 6140
 17. Rajan. C, N. Shanthi , 2015, Genetic based Optimization for multicast Routing algorithm for Manet’ *Sadhana - Academy Proceedings in Engineering Science*, Volume 40 Issue 7, 2341-2352
 18. Rajan. C, Geetha K, Rasi Priya C & Geetha S, 2015, ”Investigation on Novel Based Naturally-Inspired Swarm Intelligence Algorithms for Optimization Problems in Mobile Ad Hoc Networks”, *World Academy of Science, Engineering and Technology International Journal of Mathematical, Computational, Natural and Physical Engineering Vol:9, No:3*
 19. K Geetha, P Thangaraj, CR Priya, C Rajan, S Geetha, 2015, “IBFO_PSO: Evaluating the Performance of Bio-Inspired Integrated Bacterial Foraging Optimization Algorithm and Particle Swarm Optimization Algorithm in MANET Routing”, *World Academy of Science, Engineering and Technology*, 9(3), pp. 194-200
 20. Rajan. C, Geetha. K, Rasi Priya. C & Sasikala. R , 2015, “Investigation on Bio-Inspired Population Based Metaheuristic Algorithms for Optimization Problems in Ad Hoc Networks”, *World Academy of Science, Engineering and Technology*, vol: 9, no: 3, pp. 102-109.
 21. Rajan. C, Geetha K & Rasi Priya C, 2015, A Simple Analysis on Novel Based Open Source Network Simulation Tools for Mobile Ad Hoc Networks, *International Journal of Advanced Research in Computer Science and Software Engineering*, Volume5, Issue3, Pages 716-721.
 22. Rajan. C, B Megala, A Nandhini, C Rasi Priya , 2015, “A Review: Comparative Analysis of Arduino Micro Controllers in Robotic Car”, *World Academy of Science, Engineering and Technology*, Volume 9, Issue 2, Pages 365-374.
 23. Rajan. C, Shanthi. N, Rasi Priya.C & Geetha. K 2014, “Investigation on Novel based Metaheuristic Algorithms for Combinatorial Optimization Problems in Ad Hoc Networks”, *World Academy of Science, Engineering and Technology*, vol: 8; no: 6, pp. 967-972.
 24. Dharanya C, Rajan, C, 2014, ” A Probabilistic Rebroadcast for Reducing Routing Overhead in a Real Time MANET Environment” *Journal of Global Research in Computer Science* 5 (1), 3-7
 25. Rajan, C & Shanthi, N, 2013, “Swarm optimized multicasting for wireless network”, *Life Sci. J*, Vol.4, No. 10. ISSN: 1097-8135
 26. Rajan, C & Shanthi, N 2013, “Misbehaving attack mitigation technique for multicast security in mobile ad hoc networks (MANET)”, *Journal of Theoretical and Applied Information Technology*, vol. 48, no. 3, pp.1349–1357.
 27. Geetha. K, P Thangaraj, Rajan, C, Shanthi, N, 2013, Performance Evaluation of ABR Routing in Malicious Network, *International Journal of Computer Science Engineering (IJCSSE)*, Volume 1, Issue 1, pp. 279-285.
 28. Rajan, C & Shanthi, N, 2012, “A Stable Mobility Model Evaluation Strategy for MANET Routing Protocols.” *International Journal of Advanced Research in Computer Science and Software Engineering*. vol. 2, pp.58-65.
 29. Rajan, C & Shanthi, N 2012, Simulation-based Performance evaluation of stability in different mobility model using routing protocols in MANET, *International journal of Computer Information Systems (IJCIS)*, Volume 5, Issue 5, pp.22-48.
 30. Rajan, C & Shanthi, N, Kathir Avan P G, 2012 “Enhancement of Hierarchical Key Management Scheme of Secure Multicast Transmission for Overlay Networks”, *International Journal of Computer Network and Security(IJCNS)* Vol. 4, No.1, pp. 74.

National / International Conference

1. Rajan. C , 2018, “Enhanced Cloud based Context aware using Fuzzy Authentication Technique”, 8th National Conference on Advancements in Electrical Sciences in SNS College of Technology, Coimbatore, 11th April 2018.
2. Rajan. C , 2018, “Machine Learning Algorithms: A Background artifact”, 2018 International Conference on Inventive Computing Systems and Applications in Inventive Research Organization, Hotel Ibis, Pattaya, Thailand, 29th Jan 2018.
3. Rajan. C , 2018, “Proactive model based testing and evaluation for component Based systems for biomedical Applications”, 2018 International Conference on Inventive Computing Systems and Applications in Inventive Research Organization, Hotel Ibis, Pattaya, Thailand, 29th Jan 2018.
4. Rajan. C , 2017, “A Video Surveillance System Implemented on Momaro for Rescue”, Conference on Networking and Communication System at Excel Engineering College.
5. Rajan. C & Geetha. K, 2009, “Routing in Mobile Ad hoc Network” in National Conference on 6th October 2009 at SNS College of Technology, Coimbatore.
6. C.Rajan “IoT Based Platform as a service for Air Pollution Monitoring System” 7th International Conference on Recent Innovations in Engineering Technology and Management, 22nd March 2019.
7. Rajan. C & Geetha. K , “Survey of Routing Protocols in Mobile Ad hoc Network” in International Conference on Innovative Computing Technologies MKCEICT2010 on 12th and 13th Feb, 2010.
8. Rajan. C & Geetha. K, 2007, “GA Based Intrusion Detection System” in National Conference on 2th and 4th Nov 2007 at Kongu Engineering College, Perundurai.
9. Rajan. C & Geetha. K, 2010, “Implementation Of Bidirectional Routing Abstraction In Asymmetric Mobile Ad hoc Networks”, in National Conference on Information And Communication Technology (NCICT’10).
10. Rajan. C, “Open Source Cloud Computing With Service Integration And Virtualization” in National Conference on 1st and 2nd April (2010) at Vivekananda College of Engineering for Women, Tiruchengode.
11. Rajan. C & Geetha. K, 2010, “Open Source Cloud Computing with Service Integration and Virtualization” in Fourth National Conference on Emerging trends in Computer Science And Engineering 17th February(2010).

10. List of Workshops / Seminar / STTP/FDPs Organized:

S.No.	Title	Venue	Duration	Sponsoring Authority
1.	Guest Lecture on Single Sign On Security in IOT	K S Rangasamy College of Technology	17.03.2017	-
2.	Hands on Workshop How to write a C program?	K S Rangasamy College of Technology	16.07.2016	
3.	International Conference on Frontiers of Computational Intelligence	K S Rangasamy College of Technology	05.03.2016	CSI

4. List of Workshops / Seminar / STTB/FDPs Attended:

S.No.	Title	Venue	Duration	Sponsoring Authority
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1.	Workshop on J Gate-An electronic gateway for research	K S Rangasamy College of Technology	10.07.2019	PALS and JCI
2.	STTP on ICT Mode on NBA accreditation	K S Rangasamy College of Technology	22.04.19 to 26.04.19	ICT
3.	Workshop on Break the ICE: An introduction to creating your first bot	K S Rangasamy College of Technology	01.08.2018 To 03.08.2018	Automation Anywhere University
4.	FDP on Advanced non-linear data structure	Excel Engineering College	31.05.2017	Anna university
5.	Seminar on Improving Your API Scores based on UGC Regulations	K S Rangasamy College of Technology	28.08.2017	
6.	Faculty Development Programme on Learning Improvement Techniques	K S Rangasamy College of Technology	09.11.16 To 11.11.16	Teaching Learning Centre,IIT Madras
7.	Learning Improvement Techniques	IIT Madras	9.11.2016	PALS and JCI
8.	Seminar on Insight to research, Publications, Proposals and Patents	Bannari Amman Institute of Technology	13.02.16	ISTE
9.	Seminar on Smart india hackthon	K S Rangasamy College of Technology	16.12.2016	AICTE
10.	FDP on Use of ICT in education for online and blended learning	K S Rangasamy College of Technology	02.05.16 To 10.07.16	IIT,Bombay
11.	Workshop on Intellectual property rights awareness workshop	Nandha engineering college	18.3.16 To 19.3.16	DEITY
12.	Seminar on Writing Research Papers,Predatory Journals, Copy Right, Plagiarism, Citation Analysis and Impact factor	K S Rangasamy College of Technology	19.11.2016	
13.	FDP on Medical imaging: technologies, processing and its application	Nandha engineering college	27.11.15	ISTE
14.	STTP on Introduction to design of algorithms	K S Rangasamy College of Technology	16.03.15 To 20.03.15	IIT, Kharagpur
15.	Workshop on Cyber Security	K S Rangasamy College of Technology	10.7.14 To 20.7.14	IIT, Bombay

16.	Seminar on Steps 2 Research	K S Rangasamy College of Technology	19.9.14 To 20.9.14	ISTE Kerala section
17.	FDP on Open source lab	Dr.Mahalingam College of Engineering	13.9.13 To 14.9.13	
18.	FDP on Recent Advances in Pattern Recognition-Artificial Intelligence Models And Analysis in Biometrics	K S Rangasamy College of Technology	25.3.2013 To 6.4.2013	
19.	FDP on Open Stack and Eucalyptus –open source tools to set up Private cloud for Academic Institutions	K S Rangasamy College of Technology	3.6.2013 To 15.6.2013	
20.	Workshop on Research Aspects of M2M Technology and Wireless Sensor Networks in Space Communication	K S Rangasamy College of Technology	30.11.2012 To 01.12.2012	
21.	Workshop on Mission 10X workshop at KSRCT	K S Rangasamy College of Technology	01.02.11 To 05.02.11	Wipro
22.	Workshop on “SkillEdge-Data Structures Using C”	K S Rangasamy College of Technology	23.06.11 To 24.06.11	ICT
23.	Workshop on Research Methodology and Network Simulator-2,	KSRCE	24.08.11 To 25.08.11	
24.	Seminar on An Intelligent Based Wireless Ad Hoc and Sensor Networks and its Applications with Ocean Technology,	K S Rangasamy College of Technology	19.8.2011 To 20.8.2011	
25.	Workshop on IT Finishing School Programme	K S Rangasamy College of Technology	1.6.2010 To 20.06.2010	TAHDCO
26.	Workshop on Deep dive faculty enablement program	Infosys technologies limited	7.9.09 To 11.9.09	Infosys technologies limited
27.	Workshop on Recent trends in information security	K S Rangasamy College of Technology	31.1.2009	
28.	Workshop on Technical English Course	K S Rangasamy College of Technology	6.10.08 To 27.10.08	K S Rangasamy College of Technology
29.	Workshop on Research Methodology in computer science	K S Rangasamy College of Technology	11.08.07	
30.	Computing technology2010-Trends and challenges	Kongu engineering college	20.1.07 To 21.1.07	AICTE

31.	Performance issues in infrastructureless wireless network	Kongu engineering college	10.3.06 To 12.03.06	AICTE
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5. Details of Membership In Professional Societies:

S. No.	Name of Professional Body	Grade of Membership	Membership No.
1.	ISTE	Life Member	Life Member: LM 54067
2.	IACSIT	Life Member	Life Member: 80338527
3.	IAENG	Life Member	Life Member: 233573
4.	WASET	Life Member	-

6. Recognized Supervisor for Ph.d / M.S. Programme :

Faculty of Information and Communication Engineering in
Anna University, Chennai (Ref. No. : 2940115).

S. No	Name of The Supervisor with Recognized Number	Name of The Scholar with College Address	Date of Registration (if Pursuing)	Date of Viva Voce Examination (if Completed)	Faculty in with Ph.D./M.S.is Completed)	Title of the Thesis	Name of the University
1	Dr.C.Rajan 2940115 ALLPR7115 F (PAN)	J.Deepika,AP/IT K.S.Rangasamy College of Technology, Tiruchengode	13.12.2017	-	Information & Communication Engineering	pursuing	Anna University, Chennai
2		P.Kalaivani,AP/IT K.S.Rangasamy College of Technology, Tiruchengode	13.12.2017	-	Information & Communication Engineering	pursuing	Anna University, Chennai
3		P.Sathishkumar, AP/CSE K.S.Rangasamy College of Technology, Tiruchengode	07.06.2018	-	Information & Communication Engineering	pursuing	Anna University, Chennai
4		T.Senthil,AP/ECE KSR Institute for Engineering &Technology, Tiruchengode	13.12.2017	-	Information & Communication Engineering	pursuing	Anna University, Chennai

5	E.Suganya,AP/ CSE Bannariamman Institute of Technology,Sat hy	13.12.201 7	-	Information &Communicatio n Engineering	pursuing	Anna University, Chennai
6	N.Nathiya,AP/ CSE Paavai Engineering College, Namakkal	07.06.201 8	-	Information &Communicatio n Engineering	pursuing	Anna University, Chennai

7. Patents:

S.No.	Innovators	Title of Innovation	Patent Ref. No. and Date	Status: Filed / Granted/Published in the Patent Journal	Document uploaded (yes / No)
1.	Dr.C.Rajan	A Smart Color Writing Tool for Interactive Boards	201741013344 A & 21.04.2017	Published in the Patent	yes

8. Book Publications:

S.No	Name of the Faculty(s) (who authored the book)	Title of the Book	Name of the Publisher	Year of Publication
1.	Dr.C.Rajan Dr.K.Geetha	Software Testing ISBN: 978-93-86638-91-5	Bonfring Intellctual Integrity	2018
2.	Dr.C.Rajan Dr.K.Geetha	Computer Networks I ISBN.No.978-93-86176-58-5	Bonfring Publication	2017
3.	Dr.C.Rajan Dr.K.Geetha	An Enhanced ABR Routing with trust to mitigate Network Attacks	Lambert Academic Publishing , ISSN: 978-3-330-07105-6	2017
4.	Dr.C. Rajan Dr.K.Geetha	Investigation on Novel Based Bio-Inspired Algorithms in MANET ISBN .No.978-3-659-69697-8	LAMBERT, Academic Publisher,	2015

9. Special Lectures / Key note address delivered in other Institutions :

S.No.	Date	Institution / Organization	Name of the Event	Topic
1	03.01.2018	Anna University, BIT campus	NBA Mock visit	NBA Mock visit
2	31.05.2017	Excel Engineering college	Anna university approved FDTP	Advanced non-linear data structure
3	03.01.2018	Anna University, BIT campus	Seminar	Network Security

10. Involvement in Departmental / Institutional Administration:

1. OBE Administration - DAB / Program / Module Coordinator / Coordinator Assessment Committee (Describe the Role).

Internal ISO coordinator- Verify the ISO files in the various department and coordinates the ISO audit process

2. Co-ordination with various cells related to student activities in the Dept. (Describe the Role).

Department C Club coordinator – Conducted Non Formal course and online examination.

3. Co-ordination with various administration works related to Institution (Describe the Role).

- College Technical Training coordinator – Conducted Technical training for placement purpose.

College C Club Incharge – Conducted Non Formal course and online examination

4. Anna University NBA Mock visit Member
5. Doctoral Committee members of various Universities
6. ISO Internal Auditor
7. NBA Criteria Coordinator in Department level

Dr.RAJAN.C