

FACULTY PROFILE

1. Name : Dr.R.Poonkuzhali.
2. Designation : Professor
3. Date of Joining : 02.02.1998
4. Nature of Association : Regular
5. Email : poonkuzhali@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.	Jan 2016	Completed
2.	M.E. (Computer Engineering)	College of Engineering Guindy, Chennai.	Anna University, Chennai.	63% May 2004	First class
3.	M.C.A. (Computer Applications)	K.S.Rangasamy College of Technology, Tiruchengode.	Madras University, Chennai.	73% May 1997	First class
4.	B.Sc. (Computer Science)	Sengunthar Arts and Science College, Tiruchengode.	University of Madras, Chennai.	73% Mar 1994	First class
5.	HSC	Government Girls Higher Secondary School, Tiruchengode.	Higher Secondary Board, Tamilnadu.	69% April 1991	First class
6.	SSLC	Government Girls Higher Secondary School, Tiruchengode.	State Board, Tamilnadu.	72% April 1989	First class

7. Employment details with Experience:

S.No.	ORGANIZATION	DESIGNATION	PERIOD		YEAR OF EXPERIENCE
			FROM	TO	
1.	K.S.Rangasamy College of Technology, Tiruchengode.	Lecturer	02.02.1998	31.01.2004	7.0
2.		Assistant Professor	01.02.2004	31.01.2011	6.0
3.		Associate	01.02.2011	01.01.2016	5.0

		Professor			
4.		Professor	02.01.2016	Till date	3.7
Total					21.7 Years

8. Title Of M.E/M.Tech/Ph.D Thesis :

Ph.D Thesis : “A Pre-Emptive Link State Spanning Tree Qos Routing Protocol With Opportunistic And Concurred Relaying for MANET”

9. List of Publications:

International / National Journals	
1.	Dr.R. Poonkuzhali, Devina B, Gomathi R, Sri Annalakshmi N “Privacy Preserving Wireless Medical Data on Cloud” Eleyon-South Asian Journal of Engineering and Technology, Vol. 8, Issue 2, pp.177-181. ISSN no. 2454-9614
2.	Dr.R. Poonkuzhali, “Deep Learning Approaches in Bio Informatics”, Shanlax International Journals, Vol 5, Issue 2, pp. 21-29. ISSN no. 2321-788X.
3.	Poonkuzhali, R, Sanavullah, MY, & Sabari, A, 2015, ‘Concurred Relay for Opportunistic Data Forwarding in MANET’, International journal of Advancements in Computing technology. International journal of Advancements in Computing Technology, Vol.7, No.3, pp. 35 – 42. ISSN no. 2005-8039 (Annexure – II 2014, Sl.no. 8532)
4.	Poonkuzhali, R, Sanavullah, MY, & Gurupriya, MR, 2014, ‘A Comparitive Study of Novel Opportunistic Routing Protocols in Mobile Ad hoc Networks’, International Journal of Computer, Control, Quantum and Information Engineering Vol.8, No.8, pp 1436-1439
5.	Poonkuzhali, R, Sanavullah, MY & Sabari, A, 2014, ‘A Pre-emptive Link State Spanning Tree Source Routng Scheme for Opportunistic Data Forwarding in MANET’, International Journal of Mathematical, Computational, Physical and Quantam Engineering Vol. 18, No.4 pp. 06-708
6.	Suganya, S, Poonkuzhali, R, & Sanavullah, MY, 2014, ‘An Efficient Approach for Cooperative Routing in MANET’, International Journal of Computer Science & Engineering Technology, Vol. 5, No.3, pp 271-275.
7.	Poonkuzhali, R, Sanavullah, MY & Sabari, A, 2014, ‘A Pre-emptive Link State Spanning Tree Source Routng Protocol for Mobile Ad hoc Networks’, Journal of Computer Sceince, Vol. 10, No.1,pp. 85-90. ISSN no.1549-3636 (Annexure – II 2013, Sl.no.9901)
8.	Shri Alarmelu V, Poonkuzhali, R, & Sanavullah, MY, 2012, ‘An Efficient Void Handling Technique for Geographic Routing in MANET : A Survey’, International Journal of Advanced Research in Computer Science and Software Engineering, Vol.2, No.12,pp 164-170
National / International Conference	
International Conference	
1.	R.Poonkuzhali, 2016,Reliable Data Transmission Using Link-Correlation Metric with Opportunistic Routing in Mobile Adhoc Networks, 3 rd International Conference on Frontiers of Computational Intelligence –ICFCI’16, K S Rangasamy college of Technology, Tiruchengode.
2.	R.Poonkuzhali,2015, “A Novel Relay Selection Based on RSSI in Opportunistic Forwarding with Source Routing”, International conference on Advances in computing, control, communication, automation and structural engineering(ACCCAS - 2015), Al-Ameen Engineering college, Erode.
3.	R.Poonkuzhali ,2012, ”Energy Efficient Multi Hop Clustering Protocol for Wireless Networks”, First International Conference on Computational Intelligence and its Applications Vivekanandha Institute of Engineering and Technology for Women.

National Conference	
1.	Dr.R.Poonkuzhali, 2019,“Object Detection Using Pre-Trained Model in Tensor Flow”, 11 th National Conference on Networks, Intelligence and Computing Systems, Nandha College of Technology, Erode
2.	Dr.R.Poonkuzhali,2019,“ Privacy Preserving Wireless Medical data on Cloud”, 6 th National Conference on Emerging Trends in Engineering and Technology, Nandha College of Technology, Perundurai
3.	Dr.R.Poonkuzhali,2018, “Enhancing android app for education system using augmented reality”, 4 th National Conference on Technological Advancement in Engineering, Sree Narayana Guru College of Engineering and Technology,Kannur.
4.	Dr.R.Poonkuzhali,2018, “Internet Of Things Platform as a service-An Android Application”, National Conference on New Scientific Creations in Engineering and Technology, Nadar Saraswathi College of Engineering and Technology.
5.	R.Poonkuzhali ,”Efficient and Effective BroadCasting with Guaranteed Coverage in Mobile Adhoc Networks”, New Frontiers in Computing, K.S.Rangasamy College of Technology, Tiruchengode
6.	R.Poonkuzhali, “Routing Protocols for Mobile Ad hoc Networks Performance Enhancement”, New Frontiers in Computing, K.S.Rangasamy College of Technology, Tiruchengode.
7.	R.Poonkuzhali, “Enhancement of SIP,RTP and XMPP in the Emerging Real Time Internet”, Vivekanandha Institute of Information and Management, Tiruchengode.
8.	R.Poonkuzhali,“ Application of Data Mining in Health care”, Recent Trends in Advanced Computing,S N S College of Technology,Coimbatore.

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

S.No.	Title	Venue	Duration	Sponsoring Authority
Workshop				
1.	DREAM BIG	K.S.Rangasamy College of Technology, Tiruchengode.	1 day	
2.	Game Development	K.S.Rangasamy College of Technology, Tiruchengode.	1 day	
Guest Lecture				
1.	Deep Learning	K.S.Rangasamy College of Technology, Tiruchengode.	1 day	
2.	MongoDB	K.S.Rangasamy College of Technology, Tiruchengode.	1 day	

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

Workshop				
S.No.	Title	Venue	Duration	Sponsoring Authority
1.	J Gate - An Electronic Gateway for research	Central Library, KSR College of Engineering, Tiruchengode	1 day	
2.	BigData - Spark	K.S.Rangasamy College of Technology, Tiruchengode.	3 days	
3.	Research Aspects of M2M Technology and Wireless Sensor Networks in Space Communication	K.S.Rangasamy College of Technology, Tiruchengode.	2 days	Defence Research and Development Organization
4.	Journal, Thesis and Project Proposal Writing	K.S.Rangasamy College of Technology, Tiruchengode	1 day	
5.	Cloud Computing and its Research Applications	KSR College of Engineering, Tiruchengode	1 day	
6.	Research in Computer Science-Issues and Challenges	K.S.Rangasamy College of Technology, Tiruchengode	1 day	
7.	Recent Trends in Information Security	K.S.Rangasamy College of Technology, Tiruchengode	1 day	
8.	Algorithms in Image Processing	Velalar College of Engineering and Technology , Erode	1 day	
9.	Component Based Technology	SSN College of Engineering, Chennai	6 days	
10.	A Practical Approach to Software Engineering	Anna University, Chennai.	13 days	
Seminar				
1.	Software Project Management	K.S.Rangasamy College of Technology, Tiruchengode	1 day	
2.	An Intelligent Based Wireless Ad Hoc and Sensor Networks and	K.S.Rangasamy College of Technology,	2 days	Ministry of Earth Sciences

	its Applications with Ocean Technology	Tiruchengode		
3.	Research Perspectives on Mobile Adhoc Network	Velalar College of Engineering and Technology , Erode	2 days	CSIR, New Delhi
4.	Research Challenges of Data Security in Grid and Cloud Computing	K.S.Rangasamy College of Technology, Tiruchengode	2 days	CSIR, New Delhi
5.	Software Quality Assurance	Bannari Amman Institute of Technology, Sathyamangalam	1 day	
STTP				
1.	Introduction to Design of Algorithms	K.S.Rangasamy College of Technology, Tiruchengode	33 days	MHRD
2.	Pedagogy for Effective use of ICT In Engineering Education	K.S.Rangasamy College of Technology, Tiruchengode	25 days	MHRD
3.	Recent Advances in Pattern Recognition- Artificial Intelligence Models and Analysis in Biometrics	K.S.Rangasamy College of Technology, Tiruchengode	13 days	AICTE

12. Details of Membership In Professional Societies:

S. No.	Name of Professional Body	Grade of Membership	Membership No.
1	ISTE	Life Member	Life Member: LM42865
2.	CSI	Nominee Member	F8001634

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

14. Major Contributions:

- ICT Academy Certified Trainer in C++ Programming
- ELITE awarded NPTEL certification in Problem solving through programming in C
- Certified in Train the Trainer Program on Analytical Applications by Infosys
- Got 100% result in C# and .NET
- Got 100% result in Distributed Component Architecture
- Got 100% result in Fundamentals of Programming
- Got 100% result in Object Oriented Programming
- Acting as Department Programme Coordinator
- Chariman for Class committee meeting
- Module Coordinator for programming subjects