FACULTY PROFILE

Name	: Dr.K.Prasanth
Designation	: Professor
Date of Joining	: 15.12.2008
Nature of Association	: Regular
Email	: prasanthkaliannan@gmail.com

Academic Qualifications:

S.No.	Course	Institution	Board/ University	Percentage/ CGPA & Year of Passing	Class obtained
1.	**PhD (ICE)**	Anna University Chennai	Anna University Chennai	March - 2012	Completed
2.	**M.Tech (CSE)**	SRM University Chennai	SRM University Chennai	9.40 May - 2007	First class with Distinction **(Gold Medalist)**
3.	**MBA (System)**	Periyar University Salem	Periyar University Salem	73.00 May - 2007	First class
4.	**B.E. (CSE)**	K.S.Rangasamy college of Technology	Anna University Chennai	83.00 May - 2005	First class with Distinction
5.	**H.S.C**	R.R.Matric. Higher Secondary school	State Board	9.45 May - 2001	First class
6.	**S.S.L.C**	R.R.Matric. Higher Secondary school	Matriculation	88.00 May - 1999	First class

Employment details with Experience:

S.No.	Organization	Designation	Period From	Period To	Year Of Experience
1.	Wipro Technologies	Project Engineer	01.06.07	12.12.2008	1.6
2.	K.S.Rangasamy College of Technology, Tiruchengode.	Lecturer	15.12.08	31.05.2010	1.5
3.		Assistant Professor	01.06.10	31.05.2014	3.11
4.		Associate Professor	01.06.2014	31.05.2017	2.11
5.		Professor	01.06.2017	Till date	5.0
	Total				14 Years 10 Months

Title of M.Tech. Thesis: SLP Based Service Management in Wireless Ad Hoc Networks

Title of Ph.D. Thesis: Potential Edge Node Based Greedy Routing in Vehicular Ad Hoc Networks

Patent Filed and Published:

Title of the Patent: Smart Self Power Generating and Moving Trash Collector
(Appln. No: 201841031865)

List of Publications:

	International / National Journals
1	K.Prasanth, Dr. K.Duraiswamy, K.Jayasudha and Dr.C.Chandrasekar (2009), "Edge Node Based Greedy Routing for VANET with Constant Bit Rate Packet Transmission", International Journal of Recent Trends in Engineering (IJRTE), Vol.2, No.4, pp.221-225. **(ISSN: 1797-9617)**
2	K.Prasanth, Dr. K.Duraiswamy, K.Jayasudha and Dr.C.Chandrasekar (2010), "Efficient Packet Forwarding Approach in Vehicular Ad Hoc Networks Using EBGR Algorithm", International Journal of Computer Science Issues (IJCSI), Vol.7, Issue 1, No.3, pp.37-46. **(ISSN: 1694-0814)**
3	K.Prasanth, Dr. K.Duraiswamy, K.Jayasudha and Dr.C.Chandrasekar (2010), "Packet Transmission Analysis in Vehicular Ad Hoc Networks using Revival Mobility Model", International Journal of Advanced Networking and Applications (IJANA), Vol.1, Issue 4, No.3, pp.252-257. **(ISSN: 0975-0282)**
4	K.Prasanth, Dr. K.Duraiswamy, K.Jayasudha and Dr.C.Chandrasekar (2010), "Improved Packet Forwarding Approach in Vehicular Ad Hoc Networks using RDGR Algorithm", International Journal of Next Generation Network (IJNGN), Vol.2, No.1, pp.64 – 77. **(ISSN: 0975-7252)**
5	K.Prasanth, Dr. K.Duraiswamy, K.Jayasudha and Dr.C.Chandrasekar (2010), "Reducing Packet Transmission Delay in Vehicular Ad Hoc Networks using Edge Node Based Greedy Routing", International Journal of Computer Networks(IJCN), Vol.2, Issue1, pp.1 – 15. **(ISSN: 1985-4129)**
6	K.Prasanth and Dr. K.Duraiswamy (2010), "Reducing Routing Overhead in Vehicular Ad Hoc Networks using EBGR Algorithm", CIIT International Journal of Wireless Communication (IJWC), Vol.2, No.9, pp.267 – 275. **(ISSN: 0974 – 9756)**
7	K.Prasanth and Dr. K.Duraiswamy (2011), "Minimizing End to End Delay in VANETs using Potential Edge Node Based Greedy Routing Approach", European Journal of Scientific Research (EJSR), Vol.48 No.4, pp.631-647**. (ISSN: 1450-216X)**
8	K.Prasanth and N.Sivaranjani (2013), "Delay Aware and Energy Efficient Sleep Scheduling Protocol in Wireless Sensor Networks", International Journal of Societal Applications of Computer Science (IJSCAS), Vol.2 No.3, pp.326-330. **(ISSN: 2319 – 8443)**
9	K.Prasanth, E.Mohanraj and K.Duraiswamy (2014), "Secure Qos-Based Routing Using Hierarchical Key Ranking Model in MANET", Journal of Circuits, Systems, and Computers (JCSC), Vol.23 No.9, pp.1450128(1) – 1450128(15). **(ISSN: 0218-1266)**
10	K.Prasanth, R.Nithya and D.Sumaiya Begum (2014), "Energy Efficient Hierarchical Cluster Based Routing Protocols in WSN – A Survey", International Journal for Innovative Research in Science & Technology (IJIRST), Vol.1 No.7, pp. 2349-6010. **(ISSN: 2349-6010)**
11	K.Prasanth and R.Nithya (2015), "Spoofing Sink Relocation Attack Detection and Localizing Multiple Adversaries in WSN" International Journal of Mobile Computing & Application (IJMCA), Vol.2 No.1, pp.7-12. **(ISSN: 2393 - 9141)**
12	K.Prasanth, R.Nithya, D.Sumaiya Begum (2015), "A Survey on Energy Efficient Cluster Routing in Wireless Sensor Networks", International Journal of Applied Engineering Research(IJAER), Vol.10 No.2, pp.1509-1513. **(ISSN: 0973 - 4562)**

13	Prasanth, K Nithya, R & 2016, 'Generalized Iterative Scaling for Energy Efficient Based Multi-Hop Clustering in Wireless Sensor Networks', Asian Journal of Information Technology, vol. 15, no. 8, pp.1281-1288.
14	Prasanth, K Nithya, R & 2016, 'Clustered Spanning Tree for Integrated Energy Efficient Routing and Optimized Data Collection in Wireless Sensor Networks', Asian Journal of Research in Social Sciences and Humanities vol. 6, no. 9, pp.1671-1687.
15	Prasanth, K Nithya, R, & Geethanjali, P 2016, 'Gene Based Energy and Bandwidth Optimized Routing for Differentiated Services in Wireless Sensor Network', Middle-East Journal of Scientific Research, vol. 24, pp. 115-120.
16	Prasanth, K "Developing Multi Player Shooting Game Using Unity 3D Engine" in International Journal of Advance Research in Science and Engineering Volume No.8, Issue No.03, March 2019

National / International Conference	
1	K.Prasanth, Dr. K.Duraiswamy, K.Jayasudha and Dr.C.Chandrasekar (2009), "Minimizing Packet Drop in Vehicular Ad Hoc Networks using Edge Node Based Greedy Routing",International Conference on Sensors and Related Networks (SENNET'09), December 7 – 10,VIT University, Vellore.
2	K.Prasanth, Dr. K.Duraiswamy, K.Jayasudha and Dr.C.Chandrasekar (2009), "Efficient Packet Forwarding in Vehicular Ad Hoc Networks using EBGR Algorithm", International Conference on Computing Technologies (ICONCT'09), December 9 – 11, Mepco Schlenk Engineering College, Sivakasi.
3	K.Prasanth, Dr.K.Duraiswamy, K.Jayasudha and Dr.C.Chandrasekar (2009), "Minimizing End-to-End Delay in VANETs using Edge Node Based Greedy Routing", International Conference on Advanced Computing (ICAC'09), December 13 -15, Anna University, Chennai.
4	K.Prasanth, Dr. K.Duraiswamy, K.Jayasudha and Dr.C.Chandrasekar (2009), "Edge Node Based Greedy Routing for VANET with Constant Bit Rate Transmission", International conference on Innovative Computing, Information and Communication Technology (ICTCT'09), December 16 -18, Sri Sai Ram Engineering College, Chennai.
5	K.Prasanth, R.Nithya, D.Sumaiya Begum (2015), "A Survey on Energy Efficient Cluster Routing in Wireless Sensor Networks", International Conference on Emerging Trends in Engineering and Technology (ICET 2K15), March 26 -27, KNSK College of Engineering, Nagercoil.
6	Prasanth.K and Dr.K.Duraiswamy (2009) "Securing Vehicular Networks – Challenges", Proceedings of National Conference on Emerging Trends in Advanced Computing, Sasurie College of Engineering, Vijayamangalam, February 24, 2009. pp.17.
7	Prasanth.K and Dr.K.Duraiswamy (2009) "The Information Technology Era of the Vehicular Industry", Proceedings of National Conference on Recent Trends in Networking and Communication, RVS College of Arts and Science, Coimbatore, March 4, 2009.
8	Prasanth.K and Dr.K.Duraiswamy (2009) "Intrusion Detection in Vehicular Ad hoc Networks", Proceedings of the First National Conference on Emerging Trends in Computing Systems, Nandha Engineering College, Erode, March 6, 2009. pp.15.
9	Prasanth.K and Dr.K.Duraiswamy (2009) "Vehicular Ad Hoc Networks: From vision to Reality", Proceedings of National Conference on Advanced Emerging Trends in Advanced Computing (ETAC'09), PET Engineering College, Vallioor, March 12 & 13, 2009. pp.352.
10	Prasanth.K and Dr.K.Duraiswamy (2009) "Research Challenges for VANET", Proceedings of Fifth National Conference on Advances in Computer Engineering and Networking (ACENET'09), PSNA College of Engineering and Technology, Dindigul, March 21, 2009. pp.69.
11	Prasanth.K and Dr.K.Duraiswamy (2009) "Secure Vehicle Communication - SEVECOM", Proceedings of National Conference on Current Trends in Computer science and Information Technology, Paavai Engineering College, Pachal, March 27 & 28, 2009. pp.27.

12	Prasanth.K and Dr.K.Duraiswamy (2009) "Security Issues in Vehicular Networks", Proceedings of National Conference on Excellent Challenges in Information Technology (EXCITE'09), Annai Mathammal Sheela Engineering College, Namakkal, April 06, 2009.
13	Prasanth.K and Dr.K.Duraiswamy (2009) "Survey on Vehicular Ad hoc Networks", Proceedings of National Conference on Recent Trends in Innovative Technologies (NCRTIT'09), Velalar College of Engineering and Technology , Erode, April 09, 2009. pp.36.
13	Prasanth.K and Dr.K.Duraiswamy (2009) "Position Based Routing protocols in Vehicular Ad Hoc Networks – A Survey", Proceedings of National Conference on Advanced Computing (NCAC'09), Dr.Sivanthi Adithanar College of Engineering, Tiruchendur, October 10, 2009. pp.38.
14	Participated and presented the paper entitled "A Novel Scheduling Method for Local Event Monitoring In Wireless Sensor Network", in International Conference on Innovations in Communication, Information and computing ICICIC'13" at Sasurie College of Engineering, Vijayamangalam ,Tirupur on 09.01.13
15	Presented a paper in the 6th National Conference on "Challenges and innovations in Information Technology"(CIIT'2017),organized by Department of Computer Applications, Kongu Engineering College on 23rd Mar 2017.
16	Presented a technical paper titled "Computerised Schedule Generator" in the Fourth National Conference on Technological Advancements in Engineering held at Sree Narayana Guru College of Engineering and Technology, Kerala on 16th -17th March 2018
17	Participated and presented a paper entitled "Energy Aware Cooperation For Green Cellular Networks" in DST - Science and Engineering Research Board sponsored International Conference on Innovations in Science, Engineering and Technology for Sustainable Development (ISETSD-2018) held at Muthayammal Engineering College on 30th& 31th March 2018
18	Participated and presented his paper on "Developing Multi Player Shooting Game using Unity 3D Engine" in Second International Conference on Nexgen Technologies at Sengunthar Engineering College held on 8th-9th March 2019

List of Workshops / Seminar / STTP/FDPs Organized:

S.No.	Title	Venue	Duration	Sponsoring Authority
1.	Workzapp 2k16 – National Level Workshop on PHP and MySQL	K.S.Rangasamy College of Technology	2 Days	CSI
2	Gyansync 2k16 – A National Level Technical Symposium	K.S.Rangasamy College of Technology	1 Day	CSI
3	Workzapp – 2k7 –National Level Hands-on Workshop on Ethical Hacking at KSRCT	K.S.Rangasamy College of Technology	1 Day	CSI
4	Workzapp – 2k7 –National Level Hands-on Workshop on Game Development at KSRCT	K.S.Rangasamy College of Technology	1 Day	CSI
5	Workzapp – 2k7 – Two Day National Level Hands-on Workshop on Python Programming at KSRCT	K.S.Rangasamy College of Technology	2 Days	CSI

6	National Level Technical Symposium on "Technobrigade & Gyansync 2k17" at KSRCT	K.S.Rangasamy College of Technology	2 Days	CSI
7	One Day National Level Workshop on "Big Data Analytics"	K.S.Rangasamy College of Technology	1 day	CSI
8	One Day National Level Workshop on "Dynamic Web Development"	K.S.Rangasamy College of Technology	1 day	CSI
9	Guest Lecture on "DREAM BIG"	K.S.Rangasamy College of Technology	1 day	CSI
10	Guest Lecture on "Cluster Computing Using Spark"	K.S.Rangasamy College of Technology	1 day	CSI
11	Code Storm	K.S.Rangasamy College of Technology	1 day	CSI
12	Technovation Inquizitive	K.S.Rangasamy College of Technology	1 day	CSI
13	Video Contest	K.S.Rangasamy College of Technology	1 day	CSI
14	Multimedia Presentation	K.S.Rangasamy College of Technology	1 day	CSI
15	Inventive Charts	K.S.Rangasamy College of Technology	1 day	CSI
16	Technical Quiz	K.S.Rangasamy College of Technology	1 day	CSI
17	Idea Presentation	K.S.Rangasamy College of Technology	1 day	CSI
18	Technical Paper Presentation	K.S.Rangasamy College of Technology	1 day	CSI
19	Making a Product/Project	K.S.Rangasamy College of Technology	1 day	CSI
20	Web Designing	K.S.Rangasamy College of Technology	1 day	CSI
21	Innovative Exhibition	K.S.Rangasamy College of Technology	1 day	CSI

List of Workshops / Seminar / STTB/FDPs Attended:

S.No.	Title	Venue	Duration	Sponsoring Authority
1	National Workshop on Open source Mobile Technologies (ANDROID)	Kongu Engineering College, Perundurai	1 Day	DST
2	National Level Hands-on Training on "Aneka Tool'	Anna University, Coimbatore	1 Day	-
3	Faculty Enablement Program on "Foundation Program 4.0"	K.S.Rangasamy College of Technology	1 Week	Infosys, Chennai
4	Deep Dive Faculty Enablement Program on Mobile Application Development using Android	Adi Shankara Institute of Engineering and Technology, Kerala	1 Week	Infosys, chennai
5	Pre-Convention Tutorial on "Deep Learning and Game Theory for Computer Science"	PSG College of Technology, Coimbatore	1 Day	DST
6	Workshop on "Intellectual Property Rights"	K.S.Rangasamy College of Technology	1 Day	-
7	Student Induction Program for AICTE Approved Institutions	PSG College of Technology, Coimbatore	3 Days	AICTE
8	Database Management system	K.S.Rangasamy College of Technology	1 Week	IIT- Kharagpur NPTEL
9	Data Science for Engineers	K.S.Rangasamy College of Technology	1 Week	IIT- Kharagpur NPTEL
10	Developing Multi Player Shooting Game using Unity 3D Engine	Sengunthar Engineering College, Tiruchengode	2 Days	-

Details of Membership in Professional Societies:

S. No.	Name of Professional Body	Grade of Membership	Membership No.
1	ISTE	Life Member	**LM46952**
2	CSI	Life Member	**00128355**

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

Faculty of Information and Communication Engineering in Anna University, Chennai (Supervisor Number. : 2840157). (Three Scholars Completed)

Awards and Achievements

- Served as Placement Officer of KSRCT and Central Placement Cell Coordinator from 2010 – 2015. Maintained Corporate Contacts for more than 300 Companies (IT & Core Engineering)
- Over all citations of my Research Articles: 73, H Index : 5, i10 Index : 3
- Received Infosys Silver Partner Faculty Excellence Award for the contribution in Campus Connect Programme
- Received Elite Award in NPTEL Course " Database Management System"
- Received Elite Award in NPTEL Course " Data Science for Engineers"
- Achieved 100% result in End Semester Examination for the subjects handled in past three years
- Secured First rank and Gold Medal in M.Tech Degree Programme
- Cisco Certified Network Associate (CCNA) and Red Hat Certified Engineer (RHCE)

Major Contributions in Departmental / Institutional Administration

Department Placement & Training Coordinator

- Preparation of Student Database
- Guidance for Student Resume preparation
- Preparation of company profile to create awareness to students
- Organizing training activities for all IT Students
- Organizing company oriented training
- Smooth conduction of placement during company visit
- Document Maintenance

Department Alumni Coordinator

- Preparation of Alumni Database
- Preparation of Alumni Souvenir and Memento
- Organization of Alumni - Guest Lecture
- Organization of One Alumni – One Student Mentorship Programme

Computer Society of India (CSI) Coordinator

- Proposal for workshop and seminar
- Conduction of workshop and guest lecture for students and faculty
- Conduction of national level technical competitions for students
- Maintenance of CSI student members

Module & Course Coordinator

- Developed Syllabus for E-Commerce, Software Quality Management and 3G Wireless Networks
- Module Coordinator for Data Management subjects

(Dr.K.Prasanth)