Name	**:** Dr. R.Senthil Kumar
Designation	**:** Associate Professor
Department	**:** Computer Applications
Qualification	**:** MCA., M.B.A., Ph. D.
Experience	**:** Teaching: 13 Years Research: 7 Years
Area of Specialization(s)	**:** Computer Networks, MANETs
Email (Official ID)	**:** senthilkumar.r@drngpasc.ac.in

Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph. D.	Computer Application	Anna University, Chennai	2014
MCA	Computer Applications	Periyar University ,Salem	2007
B.Sc	Computer Science	Bharathiar University	2004

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
M.B.A	Administration	Periyar University	2010

Grants Received

Event Title	Agency	Amount	Date
National Conference on Computing Innovations	Taxmann Consultancy	Rs. 15,0000	05-Oct-18

Research Publications (Indexed)

International

1. R.Senthil Kumar, Dr. P.Kamalakkannan "A NOVEL ENERGY BASED ROUTING ALGORITHM TO REDUCE LINK BREAK IN MOBILE AD HOC NETWORKS", International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol-2, Issue-5, April 2013, ISSN: 2278-3075.

2. R.Senthil Kumar, Dr.C.Sureshkuma " MINIMIZING THE ROUTE REDISCOVERY PROCESS IN MANET" Journal of Theoretical and Applied Information Technology, Vol -61,Issue-3, pp.496-505,31 March 2014, ISSN: 1992-8645(INDEXED in SCOPUS)

3. R.Senthil Kumar, Dr.C.Sureshkumar "CLUSTER BASED AODV PROTOCOL TO MINIMIZING THE ROUTE REDISCOVERY PROCESS AND TO IMPROVE THE LIFETIME OF NETWORKS IN MANET"Journal of International Review on Computers and Software,Vol-9,Issue-1, pp.38-47 ,January 2014, ISSN:1828-6003(INDEXED in SCOPUS)

4.Dr.R.Senthil Kumar, "ONLINE BOOK SHOPPING USING SEMANTIC SIMILARITIES"International Journal of Applied Engineering Research",Vol-10.No.1, pp.8-12, 2015, ISSN: 0973-4562 (INDEXED in SCOPUS)

5. Dr.R.Senthil Kumar," PERFORMANCE EVALUATION OF SECURE POWER AWARE ROUTING PROTOCOLS IN MANET", International Journal of Advanced Computer Applications (IJACA),Vol-4, Issue-1, pp.38-43, March- 2015, , ISSN: 2231-251X.

6. Dr. R.Senthil Kumar,"TRUST MANAGEMENT USING LVZC AND PROBABILISTIC METHODS FOR SECURITY ENHANCEMNET IN MANETS", International Journal of Applied Engineering Research",Vol-10.No.41, pp.30336-30371, 2015, ISSN: 0973-4562 (INDEXED in SCOPUS).

7. Dr. R. Senthil Kumar," IMAGE ROBBER USING WAVELET TRANSFORMATION AND HUE HISTOGRAM", International Journal of Innovative Research in Science Engineering and Technology, Vol-4,Special Issue-6,May 2015,Impact Factor-5.442.

8. Dr. R. Senthil Kumar," PERFORMANCE ANALYSIS OF SECURE POWER AWARE ROUTING PROTOCOLS IN MANET", in the Proceedings (ICETETS-2016) by Kings College of Engineering, Thanjavur, IEEE-PP.117-123,2016

9. Dr. R. Senthil Kumar, " OPTIMAL LOAD BALANCING IN WLAN USING LOAD BALANCING ALGORITHM", in the "International Journal of South Asian Journal of Engineering and Technology " Vol.2, No.17 ,pp.39–50, 2016,ISSN No: 2454-9614.

10. R.Senthil Kumar, P.Manikandan ,S.P. Anandaraj "OAODV-OPTIMIZING THE TTL VALUE BASED ON PRIORITY FOR ROUTE DISCOVERY PROCESS OF AODV PROTOCOL IN MANETS"

,in the International Journal of Engineering Technology" Vol- 6, Issue-1- PP. 170-179- Jan 2018, ISSN: 0747-9964(INDEXED IN SCI)

11. R.Senthil Kumar" ENHANCEMENT OF AODV PROTOCOL BASED ON ENERGY LEVEL IN MANETS" International Journal of Pure and Applied Mathematics (IJPAM)"Vol- 118 No. 7, pp.425-430, Feb-2018, ISSN: 1311-8080(INDEXED IN SCOPUS)

12. R.Senthil Kumar, Abhilash" A SECURED CLOUD STORAGE SYSTEM FOR MHR USING ROLE-BASED ACCESS POLICY" International Journal of Pure and Applied Mathematics (IJPAM)" Vol-118 No. 14, pp. 91-97, Mar-2018, ISSN: 1311-8080(INDEXED IN SCOPUS)

13. R.Senthil Kumar, Jithin Kumar.K.P" ANALYSIS OF STUDENT PERFORMANCE BASED ON CLASSIFICATION AND MAPREDUCE APPROACH IN BIG DATA" International Journal of Pure and Applied Mathematics (IJPAM)" Vol-118 No. 14, pp.141-148,2018, ISSN:1311-8080(INDEXED IN SCOPUS)

14. R.Senthil Kumar," PERFORMANCE ANALYSIS OF HADOOP SYSTEM USING SEARCHING ALGORITHM IN BIG DATA" Journal Of Advanced Research In Dynamical & Control Systems, , Vol. 10, 05-Special Issue, 2018, ISSN 1943-023X(INDEXED IN SCOPUS)

Presentations in Conference

1. Dr. R. Senthil Kumar," **Optimal Load Balancing in WLAN Using Load Balancing Algorithm**", International Conference on "Emerging Trends in Science Engineering & Technology (ICETSET-2016) Nandha College of Technology, Erode, 04-Mar-16

2. Dr. R. Senthil Kumar," **Performance Analysis Of Secure Power Aware Routing Protocols in MANET**" International Conference on "Emerging Trends in Engineering, Technology and Science (ICETETS-2016) Kings College of Engineering, Thanjavur,24-Feb-16

3. Presented a paper titled" **Research Issues on Mobile Ad hoc Networks**" Department of CSE, IT, MCA, Narasu's Sarathy Institute of Technology, Salem,29-Dec-15.

4. Dr. R. Senthil Kumar,"**Image Robber Using Wavelet Transformation and Hue Histogram**", International Conference, Muthayammal Engineering College,Rasipuram, Namakkal, 29-Apr-15 & 30-Apr-15.

5. Dr. R. Senthil Kumar,"**Performance Evaluation Of Secure Power Aware Routing Protocols in MANET**",International Conference on"Computational Intelligence and Big Data Analytics" Vivekanandha Institute of Information and Management Studies and Mother Teresa Women's University, 06- Mar- 15 &07-Mar-15.

6. Dr.R.Senthil Kumar,"**Trust Management Using LVZC and Probabilistic Methods for Security Enhancemnet in MANETs**",IEEE International Conference on Soft-computing and Network Security,SNS College of Technology in Association with Kyunpook National University,South Korea, 25 –Feb-15 & 27 –Feb- 15.

7. Dr. R. Senthil Kumar ,"**Online Book Shopping Using Semantic Similarities**", IEEE Sponsored 9th International Conference on Intelligent systems and Control (ISCO-2015),Karpagam College of Engineering, Coimbatore, 9 –Jan-15 &10-Jan-15.

8. R. Senthil Kumar**"Ontology Based Serviced on Cloud Environment**" International Conference on Big Data Analysis and Distributed Systems", Periyar University College of Arts & Science, Pennagaram , 1^2 –Sep-14.

9. R.Senthil Kumar, Dr. P.Kamalakkannan" **Performance Analysis of Traffic Models in MANETs Over Routing Protocols**", International Conference and Workshop on Emerging trends in Technology, Thakur College of Engineering and Technology, Mumbai, Feb. 24-Feb-2012 to 25-Feb-12.

10. R.Senthil Kumar, Dr. P.Kamalakkannan" **Personalized RAODV Algorithm for Reduce Link Break in Mobile Ad hoc Networks**" , International Conference on Advanced Computing (ICoAC) ,Anna University, Madras Institute of Technology Campus, Chennai, 13-Dec-2013 &15-Dec-2013.

11. R.Senthil Kumar& Dr. P.Kamalakkannan"**A Review and Design Study of Cross Layer Scheme Based Algorithm to Reduce the Link Break in MANET**", International Conference on Pattern Recognition, Informatics and Mobile Engineering (PRIME-2013), Periyar University, Salem, 21-Feb-13.

12. "**Predicting Earthquakes through Data mining**" Fourth National Conference on Issues and Trends in Advanced Computing (NITAC-2014) , Department of Computer Applications, Bannari Amman Institute of Technology, Sathyamangalam ,14- Mar-14 & 15-Mar-14**.**

13. "**An Improvised framework for Content Based Search in Digital Libraries using Ontology**" in the Fourth National Conference on Issues and Trends in Advanced Computing (NITAC-2014) ,Department of Computer Applications, Bannari Amman Institute of Technology, Sathyamangalam 14-Mar-14 &15-Mar-14**.**

14. **Improved QoS Based on Reducing Route Rediscovery Process for MANET**",International Interdisciplinary Research Seminar on "How to do Ph.D International Standards", the Society of Green Engineering Technology and Science (SGETS) in Association with KPR Institute of Technology and Technology, Coimbatore, India & Jointly with Higher Education Academy London, United Kingdom on 3- Aug-13**.**

15. " **An argument Quality of Service based on Delay and Path Selection Durability in MANET**",Third National Conference on Advances in Computer Technology and Applications,Velalar College of Engineering and Technology, Erode, 26 –Mar-11

16. **Analysis on barious back propagation conjugate gradient algorithms**" Thiagarajar School of Management ,27 – Feb-10.

Participation in Seminars

1. One Day National Level Research Seminar "**Challenges and Strategies in Research**" , SNS College of Engineering, Coimbatore, Tamilnadu ,13- Feb-13.

Participation in Workshop

1. International Workshop on "**SCHOLARLY RESEARCH PUBLICATIONS: WRITING, CITATIONS AND PLAGIARISM (RPCP-16)**" ,Departmnet of Library and Information Science, Periyar Universiy ,Salem-11,held on 01-Feb-16.

2. Second National Level Workshop on "**Research Trends in Information Technology and Applications**" ,CSI Student Branch, Adhiyamaan College of Engineering (Autonomous), Hosur.,10-Dec-14 &11-Dec-14.

3. one day National Level Workshop on "Recent **Technologies in Data Warehousing**" Department of Information Technology, Mahendra Engineering College (Autonomous), Namakkal, 23-Aug-14

4. Two days workshop on "**Big Data Trends and technologies**" Computer Society of India (CSI),India, Department of Computer Science and Engineering, Knowledge Institute of Technology, Salem.,14-Mar-14 &15-Mar-14.

5. Workshop on"**NS3 Simulator for Future Generation Wireless Networks**" Department of Electronics and Communication Engineering, Narasu's Sarathy Institute of Technology, Salem 3-Mar-12.

6. three days Workshop on **"Advanced Software Tools for Computer Science Research Scholars"** n The Oxford College of Engineering, Bangalore, 06-Dec-12 to 08-Dec-12.

7. Workshop on "**Knowledge Discovery-WEKA**" Department of Computer Science and Engineering and Department of Information Technology , Narasu's Sarathy Institute of Technology, Salem ,17-Sep-11.

8. Workshop on "**NS2 Simulator**"Department of Computer Science and Engineering, Angel College of Engineering and Technology, Tirupur 09 -Sep-11.

9. Workshop on "**Mobile Computing Using Rough Set Theory**" Department of Computer Science, Periyar University, Salem 13-Nov-10.

10. Two days Workshop on "**RF- Wireless Communication System Design Using LabVIEW (RF-WCS LabVIEW)**" Muthayammal Engineering College and ICT Academy of Tamilnadu ,25- Mar-10.

11. Workshop on "**Network Simulator(NS2) for Wired and Wireless Network Protocols**" TIFAC-CORE in Automotive Infotronics at VIT University, Vellore.11-Dec-09 to13-Dec-09.

12. workshop on **"High Impact Teaching Skills"** ,**Mission10X, WIPRO** Sona College of Technology, Salem,07-Sep-09 &08-Sep-09

13. Two days National workshop on **"Network Simulators"** PSG College of Technology, Coimbatore, ,05-Dec-09 &06-Dec-09

14. DST Sponsored workshop on "**Web services and J2EE Technologies**" Kongu Engineering College Erode,24-Jun-08 to27-Jun-08

Participation in Faculty Development Programme

1. Two days Faculty development program on "Data **Structures and Design and Analysis of Algorithm**", Periyar University, Salem, 16-Nov-18 & 17-Nov-18.

2. Three days Faculty development program on "**IBM CERTIFIED APPLICATION DEVELOPER - CLOUD PLATFORM**", Department of Information Technology, Sree Vidyanikethan Engineering College, Tirupati, 14-Nov-16 &16-Nov-16.

3. Five days Faculty development program on "**Data Science and Big Data Analytics**" Dhirajlal Gandhi College of Technology, Salem. Organized by ICT Academy of Tamil Nadu,04-Apr-16 to 08-Apr-16.

4. One day Faculty development program on "**MATLAB & IOT**" LIVEWIRE,Salem, 25-Jan-16.

5. two days Faculty development program on "**Introduction to PHP**" Muthayammal Engineering College, Rasipuram,ICT Academy of Tamil Nadu,08-Jan-16 to 09-Jan-16.

6. Two days Faculty development program on "**Introduction to J2EE**", Narasus Sarathy Institute of Technology, Poosaripatty, Omalur, Salem,ICT Academy of Tamil Nadu23-Jul-15 to 24-Jul-15.

Conference / Seminar / Workshop Organized

1. Organizing Secretary, National Conference on Computing Innovations, Padmavani Arts And Science College For Women, Salem, 6-oct-18.
2. Convener, National Conference on workshop on Anticipated Integration of Middleware Applications, Narasu's Sarathy Institute of Technology,Salem, 8 -Mar-14.

3. Convener, National Conference on workshop on Recent Trends in .Net Applications, Narasu's Sarathy Institute of Technology,Salem, 18-Sep-14.

4. Convener, National Conference on Seminar on Recent Trends in Cloud Applications, Narasu's Sarathy Institute of Technology,Salem, 5 -Sep-15,

Invited Speaker / Session Chair- Conference / Seminar / Workshop

1. Chief Guest and Resource Person ,One day workshop on **"Middleware Technologies"** ,**Vivekanandha Institute of Information and Management Studies**, Tiruchengode , 22 Sep-14.

2. Chief Guest and Resource Person ,One day Seminar on **"Advanced Networking and Security"** ,**P.K.R Arts College for Women**, Gobichettipalayam, 28-Jan-15.

3. Chief Guest and Resource Person ,One day Workshop on **"Network Simulator-NS2" Nandha College of Technology**, Erode 13ˉFeb-16.

4. Session Chair ,International Conference on Emerging Trends in Science, Engineering and Technolohy, **Nandha College of Technology**, Erode 4-Mar-16.

5. Chief Guest and Resource Person ,One day Workshop on **"Network Simulator-NS2"** ,**Narasu's Sarathy Institute of Technology**, Salem ,16 –Mar-16.

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
ISTE	Life-time	-

Awards / Honors

Awards / Honors	Agency / Institute	Year of Award
Best Faculty	Narasu's Sarathy Institute of Technology, Salem	2013