

**Name** : Dr. K.Santhi  
**Designation** : Professor  
**Department** : Information Technology  
**Qualification** : MCA., M. Phil., Ph.D.  
**Experience** : Teaching: 20.1 Years Research:15 Years  
**Area of Specialization(s)** : Networking  
**Email (Official ID)** : santhi@drngpasc.ac.in



### Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph. D.	Computer Application	Anna University	Nov 2014
M. Phil.	Computer Science	Gobi Arts and Science College	2004
MCA	Computer Applications	Gobi Arts and Science College	2001
B.Sc	Physics	Gobi Rural Arts and Science College	1998

### Additional Qualifications

Typewriting English - Junior Grade

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
Online Certificate	Python for Data Science	NPTEL	Sep-Oct 2020
Online Certificate	Communication Skills	TCS iON Digital Learning Hub	2019
Online Certificate	Cloud Infrastructure and Services	EMC Education Services	2017
Online Certificate	GST in 90 Minutes	ICT Academy	2017
Online Certificate	Computer Network	NPTEL	2017
Online Certificate	Virtualization for Beginners	VMWare Academy IT	2016

## Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	-	1
M. Phil.	13	-

## Research Publications (Indexed)

### International

- Nandhini.N ,**Dr.K.Santhi**, & Dr.V.Vinodhini, “EMPLOYEE PERFORMANCE ANALYSIS TOOL”, “International Journal of Scientific Research in Engineering and Management (IJSREM)” , Volume: 05 Issue: 05, PP.No:1-4, May - 2021 ISSN: 2582-3930, May 2021.(Indexed in UGC, Google Scholar)
- Donu Jose. V, & **Dr.K.Santhi**, “SURVEY ON PLANT LEAF DISEASE DETECTIONAND ANALYSIS THROUGH MACHINE LEARNING TECHNIQUES”, The International journal of analytical and experimental modal analysis, ISSN:0886-9367, Volume XIII, Issue IV, PP.No:486-496, April-2021,(UGC-CARE Group 'II' Journals List:UGC-CARE Group 'II' Journals list -Serial No. 36272)
- **Dr.K.Santhi**, & Dr.V.Vinodhini, “Study on Selection Methods of Parents and Crossover in Genetic Algorithm”, International Journal of Scientific Research in Computer Science, Engineering and Information Technology, ISSN: 2456-3307. Volume: 7, Issue:2, PP.No:280-285, March - April 2021,(Indexed in UGC, Google Scholar).
- Dr.V.Vinodhini, Dr.G.Kumuthini & **Dr.K.Santhi**,” A Study on Behavioural Analysis of Specific Ransomware and its Comparison with DBSCAN-MP”, International Journal of Scientific Research in Computer Science, Engineering and Information Technology, Volume:7, Issue:1, PP.No:1-6, Jan-Feb 2021, ISSN: 2456-3307. (Indexed in UGC, Google Scholar)
- S.Dhiwakar & **Dr.K.Santhi**, “ Application of Online Goods Booking System Using Php and MySQL”, International Journal of Scientific Research in Engineering and Management, Volume:04 Issue:07,PP.No:1-8, July-2020, ISSN:2582-3930. (Indexed in UGC, Google Scholar)

- B.Aishwarya, Dr.V.Vinodhini, Mrs.N.Vanitha & **Dr.K.Santhi**, “ A Study on Visual Cryptographic Encryption Technique for Securing Medical Images” International Journal of Scientific Research in Engineering and Management, Volume:04 Issue:07,PP.No:1-8, July-2020, ISSN:2582-3930. (Indexed in UGC, Google Scholar)
- V.Madhumitha, Dr.V.Vinodhini, Mrs.N.Vanitha & **Dr.K.Santhi**, “ An Investigation on organizing Photo Chipping in Online Social Networks”, International Journal of Scientific Research in Engineering and Management, Volume:04 Issue:07,PP.No:1-8, July-2020, ISSN:2582-3930. (Indexed in UGC, Google Scholar)
- S.Nivetha, Dr.V.Vinodhini, Mrs.N.Vanitha & **Dr.K.Santhi**, “Fingerprint Detection System for Online Transaction Using Image Pre-Processing Technique” International Journal of Scientific Research in Engineering and Management, Volume:04 Issue:07,PP.No:1-8, July-2020, ISSN:2582-3930. (Indexed in UGC, Google Scholar)
- A.C.Ashmita & **Dr.K.Santhi**, “A comprehensive study on Amazon AWS Cloud Services and Architectural Framework”, International Journal of Engineering Science Invention, Volume:1, PP.No:17-26, Jan 2018. (Indexed in Google Scholar, EBSCO HOST).
- Ms.Raghavi & **Dr.K.Santhi**, “Social Media and Cyber Wellness”, International Journal of Advanced Computer Applications, Volume:VI, Issue:1, PP.No:41-43, Dec-2016.
- K.G.Arthi & **Dr.K.Santhi** , “Dynamic Routing for Flying Ad Hoc Network”, International Journal of Advanced Research in Computer and Communication Engineering, Issue: Vol.6, Issue-4, PP.No: 161-170, Apr-2017, ISSN: 2278-1021(online) ISSN: 2319-5940 (Indexed in Google Scholar).
- **Dr.K.Santhi** & Dr.G.Kalpna , “Optimized Route Technique for DSR Routing Protocol in MANET”, International Journal of Computer Technology and Applications, Issue: Vol-7, Issue-6, PP.No: 773-779, Nov-Dec-2016, ISSN:2229-6093.(Indexed in DOAJ, Google Scholar).
- **K.Santhi** & V.Abinaya , “Intrusion Detection System for Black Hole Detection and Prevention in MANET Using Adaptive Neural Fuzzy Inference System”, International Journal of Computer Science and Engineering, Issue: Volume 3, Issue-12, PP.No:82-88, Dec 2015, E-ISSN: 2347-2693.(Indexed in DOAJ, Google Scholar)
- V.Abinaya & **Dr. K.Santhi** “HOP-COUNT BASED ENHANCED COOPERATIVE BAIT DETECTION SCHEME USING PREVENTION OF COLLABORATIVE

BALCKHOLE ATTACK IN MANET” , International Journal of Computer Technology & applications, PP.No: 253- 260, Issue: Volume 7, Number 2, , April 2016, ISSN:2229-6093(Indexed in Google Scholar, EBSCO HOST, DOAJ).

- **Dr.K.Santhi** , “QoS Guided Route Discovery Based on Bandwidth and Latency” , International Journal of Applied Engineering Research, Volume 10, Number 10 (2015), PP.No:24999-25016, ISSN: 0973-4562.(Indexed in Scopus, EBSCO host, Google Scholar)
- J.Deepa&**K.Santhi** “A Defense approach for detecting State Explosion Attacks in Practical Mobile Data Offloading”, International journal of Engineering & Technical Research , Issue: Vol-3, issue-5, PP.No: 197-200, May 2015, ISSN: 2321-0869. (Indexed in Google Scholar)
- **Santhi.K&Deepa.J**, “A Study on Delay Tolerant Networks “,International Journal of Emerging Technologies in Computational and Applied Sciences, Spl. Issues: February 2014, PP.No: 27-29, ISSN (Print): 2279-0047 ISSN (Online): 2279-0055(Indexed in Google Scholar, DOAJ, EBSCO).
- M.Kirthika&**K.Santhi**, “A Study On Data Replication Technique In Manet”, International Journal of Research in Advent Technology, Issue: Vol. 1, No.5, , PP.No: 450-455, Dec 2013, E-ISSN: 2321–9637. (Indexed in Google Scholar).
- L.Shrinithi&**K.Santhi** “Survey on Cooperative Opportunistic Routing Scheme in MANET”, International Journal of Advent Research in Computer & Electronics, Issue: Vol.1, No.1, PP.No: 1-4, March 2014, E-ISSN:2348-5523.
- Surya.G&**Santhi.K** , “An Enhancement of Routing In Mobile Ad Hoc Networks for Increasing the Speed of Reliable Data Transformation”, International Journal of Computer Science and Management Research, Issue: Vol. 1,No.3, PP.No: 502-508, Oct 2012, ISSN:2278-733X. (Indexed in Google Scholar).
- P.Bakeyalakshmi&**K.Santhi** “A Survey On Intrusion Detection in manets”, International Journal of Advancements in Research & Technology, Issue: Volume 1, Issue 5, PP.No: 1-8, Oct 2012, ISSN: 2278-7763 (Indexed in Google Scholar).
- **K.Santhi&P.Bakeyalakshmi** , “Principal Component Analysis in Routing to Identify the Intrusion by Sequential Hypothesis Testing”, RESEARCH INVENTY: International Journal of Engineering and Science, Issue: Vol.1 No.8, PP.No: 13-19, Nov 2012, ISSN: 2278-4721. (Indexed in DOAJ)

- **K.Santhi**&Dr.M.Punithavalli, “Study on a Reliable and Effective Cache Management Technique for DSR Protocol in Mobile Ad hoc Networks”, RESEARCH INVENTY: International Journal of Engineering and Science, Issue: Vol. 1 No.8, PP.No: 42-48, Nov 2012, ISSN: 2278-4721 (Indexed in DOAJ)
- **K.Santhi**&M.Punithavalli, “Optimized Reliable And Load Balanced Routing Protocol For Mobile Ad Hoc Networks”, Journal of Theoretical and Applied Information Technology (JATIT)), Issue: Vol.51 No.3, PP.No: 489-497, May 2013, ISSN: : 1992-8645(Indexed in EBSCO Publishing USA, Google Scholar journals, Elsevier Scopus)
- **K.Santhi**&M.Punithavalli, “ Reliable and Effective Load Balanced Routing Protocol for Mobile Ad Hoc Networks” , European Journal of Scientific Research, Vol.81 No.3, PP.No: 357-366, Issue: July 2012,ISSN:1450-216X, (Indexed in Elsevier Bibliographic Databases/Scopus).

#### **Presentations in Conference**

- “Data Analysis in Criminal for Improving CIS using Data Mining Techniques”,. International Conference on Data Analytics and Computational Mathematics, Sri Ramakrishna College of Arts & Science for Women, Coimbatore 29-Feb-20.
- “Security Issues in Mobile Ad-Hoc Network”, National Seminar on Computing Platforms for Biological Big Data Analytics(SERB Sponsored), Dr.N.G.P.Arts and Science college, Coimbatore on 5<sup>th</sup>& 6<sup>th</sup> Feb - 20.
- “Study on Wireless Sensor Network”, National Conference on Recent Trends and Advances in the field of Information Technology, Karpagam Academy of Higher Education, Coimbatore on 22<sup>nd</sup> - Sep - 17.
- “A Study on Wireless Sensor Network”, Sixth National Conference on Intelligent Computing, K.S.Rangasamy college of Arts and Science, Tiruchengode on 15<sup>th</sup>& 16<sup>th</sup>- Sep - 17.
- “Social Media and Cyber Wellnes”, International Conference on Digital India-The Unfolding Opportunities & Challenges, Vivekanandha Institute of Information and Management Studies, Tiruchengode on 2<sup>nd</sup>& 3<sup>rd</sup> - Mar- 17
- “Survey on Flying Ade Hoc Network”, National conference on computer communication and information technology ,Dr.NGP College of Arts & Science, Coimbatore on 28<sup>th</sup>·Sep-2016.

- “Performance Analysis Of Routing Protocols In Blackhole Attacks”, IEEE sponsored 2<sup>nd</sup> International Conference on Innovations in Information Embedded and Communication Systems ICIIECS’15, Karpagam College of Engineering, Coimbatore on 19<sup>th</sup>& 20<sup>th</sup> – Mar - 15.
- “A Survey in Mobile Adhoc Networks”, National conference on Innovative Trends in information technology, KG College of Arts & Science, Coimbatore on 7<sup>th</sup>– Feb -15.
- “A Study on Mobile Ad Hoc Network Security”, UGC sponsored National Conference on Cyber Security, PSGR Krishnamal College for Women, Coimbatore on 9<sup>th</sup>& 10<sup>th</sup> – Jan - 2014.
- “Effective approaches for improving scalability for DSR in MANET”, UGC sponsored National Conference on Cyber Security , PSGR Krishnamal College for Women, Coimbatore on 9<sup>th</sup>& 10<sup>th</sup> – Jan - 14.
- “A study on delay tolerant networks”, National conference on Research Issues in Computer Application , Dr.NGP College of Arts and Science, Coimbatore on 21<sup>st</sup>– Feb - 2014.
- “A survey on data replication technique to improve the data availability and controlling queue delay in manet” , CSIR & ISTE sponsored National Conference on Advances in Intelligent and optimized Computing Paradigm, Vivekananda institute of information and management studies , Tiruchengode on 6<sup>th</sup>& 7<sup>th</sup> – Sep - 2013.
- “A survey on effective cache management techniques in dynamic source routing “ , Regional Science congress on Science for shaping the future of India, Kongunadu Arts and Science College, Coimbatore on 15<sup>th</sup>& 16<sup>th</sup> – Dec - 12.
- “Study on a Reliable and effective cache management technique for DSR protocol in Mobile Ad hoc Networks”, International conference on Science, Engineering and Technology Vellore institute of Technology, Vellore, 8<sup>th</sup>& 9<sup>th</sup> – Nov -12.
- “Analysis on Intrusion Detection in Mobile ad hoc network”, National Conference on Innovations in Communicative World , Dr. NGP College of Arts & Science College, Coimbatore on 27<sup>th</sup> – Sept - 12.
- “A Survey on Route Cache Update Mechanisms in DSR Protocol”, National Conference on Innovations in Communicative World, Dr. NGP College of Arts & Science College, Coimbatore on 27<sup>th</sup> – Sep - 2012.
- “A study on principal component analysis in intrusion detection for wireless ad-hoc networks”, National Conferences on Issue and Trends in Advanced computing, Banari Amman Institute of Technology, Sathyamangalam on 17<sup>th</sup>& 18<sup>th</sup> - Mar- 12.

- “A survey on performance evaluation of DSR Routing protocol Enabled with QoS”, National Conference on Advanced Trends in Computer Technology, Dr. NGP Arts and Science College , Coimbatore on 3<sup>rd</sup> – Feb - 12.
- “A reliable and effective cache management technique for DSR routing protocol for MANET”, IEEE sponsored International Conference on Computer Modeling and Simulation, Navinchandra Institute Of Technology, Mumbai on 9<sup>th</sup> and 10<sup>th</sup> - Jan - 11.

### **Participation in Seminars**

- “Challenges and Strategies in Research” at SNS College of Engineering on 13<sup>th</sup> February 2013.

### **Participation in Workshop**

- “THREE DAYS WORKSHOP ON MACHINE LEARNING WITH SCIKIT LEARN, KERAS AND TENSOR FLOW”, at Sri Ramakrishna Engineering College, Coimbatore from 17-May-21 to 19-May-21.
- “Salesforce Trailhead” at PSG Institute of Technology and Applied Research on 15<sup>th</sup> and 16-Jun -17.
- “Network Simulation using NS3” at Kumaraguru College of Technology on 23-Feb-17 to 24-Feb -17.
- “Android Application on IoT” at Kumaraguru College of Technology on 29-Jul-16 to 30-Jul-16.
- “Big Data Analytics” at Sri Ramakrishna College of Arts and Science for Women on 6-Mar-15 to 7-Mar -15.
- “Network Security” at Rathinam College of Arts and Science on 27-Feb-15 to 28-Feb-15.
- “Android Mobile Application Development” at Sri Ramakrishna Engineering College on 27-Jan -12.
- “Advances in mobile and wireless network technologies”, VLB Janakiammal College of Engineering and Technology , Coimbatore on 25-Mar-09 to 26-Mar -09.

### **Participation in Orientation Programme / Short Term Courses**

- UGC Sponsored Refresher Course conducted by Gandhigram Rural University during the period 16-Nov-05 to 6-Dec-05.
- UGC Sponsored Orientation Course conducted by Bharathiar University during the period 14-Oct to 10-Nov-04.

### **Participation in Faculty Development Programme**

- “Faculty Development Programme on Advanced Excel and Data Visualization” at E & ICT Academy, IIT Kanpur from 21-Jun-21 to 26-Jun-21.
- “Online Faculty Development Programme on Research Methodology and Pedagogy for Tertiary Education” by Internal Quality Assurance Cell and Centre for Faculty Development at Dr. N.G.P Arts and Science College, from 15-Jun-21 to 21-Jun-21.
- “Faculty Development Programme on Python” at E & ICT Academy, IIT Kanpur from 14-Jun-21 to 19-Jun-21.
- “Faculty Development Programme on Cloud Computing” at E & ICT Academy, IIT Kanpur from 7-Jun-21 to 12-Jun-2021.
- “Digital Teaching Techniques” at DR.N.G.P Arts and Science College from 10-Aug-20 to 15-Aug-20.
- “Introduction to Big Data Analytics” at Avinashilingam Institute for Home Sciences and Higher Education for women from 22-Jan-20 to 24-Jan-20.
- “Cloud Infrastructure and Services” at Sri Ramakrishna College of Arts and Science for Women from 7<sup>th</sup> to 11<sup>th</sup> - Aug -17.
- “Introduction to Cloud Infrastructure and Services” at Sankara College of Science and Commerce on 20<sup>th</sup> and 21<sup>st</sup> - Mar -17.
- “Data Centre Virtualization Fundamentals” at Sri Krishna College of Technology on 26<sup>th</sup> and 27-Aug -16.

### **Participation in Institutions Innovation Council Organized by MHRD**

- Undergone Innovation Ambassador Training conducted by MoE’s Innovation cell & AICTE during the period from 30-Jun-21 to 30-Jul-21 in online mode.



- Participated and completed Innovation Ambassador Training Conducted by MoE's Innovation Cell & AICTE, New Delhi.
- Participated in the IIC online sessions conducted by IIC of MHRD's Innovation Cell from 28-Apr-20 to 22-May-20.

#### **Conference / Seminar / Workshop Organized**

- Acted as an Organizing Member in “2nd National Virtual Conference on Applications of Deep Learning in Artificial Intelligence for Healthcare(NCDAH-2021)” , Dr.N.G.P Arts & Science College, Coimbatore, 25-Mar-21
- Acted as an Organizing Committee Member for “2<sup>nd</sup> International Conference on Research Trends in Computing Technology”, Dr. NGP Arts & Science College, Coimbatore,28-Feb-20 & 29-Feb-20.
- Acted as an Organizing Committee Member for “National Seminar on Computing Platforms for Biological Big Data Analytics(SERB Sponsered)”, Dr. NGP Arts & Science College, Coimbatore, 5-Feb-20 to 6-Feb-20.
- Acted as an Organizing Committee Member for National Level Technical Symposium on TECHTRIX-2020, Dr. N.G.P. Arts and Science College, Coimbatore, 03-Feb-20
- Co-Organized workshop on “Hands on workshop on openstack cloud computing & Platform” by Mr.V. Senthil Kumar, Technical Architect, TCS Innovation Labs, Coimbatore.
- Organized Seminar on “What got you here won't get you there-then what will?!” by S.Nivrutha, Manager Operation, Payoda Technologies PVT Ltd, Coimbatore.

#### **Member in BoS**

UG- Board of Studies, NGM College, Pollachi, 2010-2011.

#### **Membership in Professional Bodies**

<b>Name of the Professional Body</b>	<b>Nature of membership</b>	<b>Duration</b>
International Association of Engineers	Life-time	-
Computer Society of India	1 Year	2012 – 2013
Teaching and Education Research Association	Life-Time	-

**Awards / Honors**

<b>Awards / Honors</b>	<b>Agency / Institute</b>	<b>Year of Award</b>
EMC Academic Associate	Sri Ramakrishna College of Arts and Science for Women, Coimbatore	2018