

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Publications during academic Year 2017-18

Sl. No	Publications	No. of Journal papers	No. of Conference papers	Total
i.	Publication by UG students along with faculty	02	15	17
ii.	Publication by PG students along with faculty	09	18	27
iii.	Publications by faculty	03	05	08
iv.	Publication by faculty along with Ph.D. scholars	01	10	11
	Total	15	48	63

Sl. No	Book Chapters	Total
i.	Book Chapters by faculty along with Ph.D. scholars during academic year 2017-18	07

i. Publication by UG students along with faculty during academic Year 2017-18: International Conferences:

1. Sharababasappa, Sayed Farooq J.N, Soundarya V.N ,Vikram S Rao,Chandraprabha K S,“**Safe Drive: An automatic engine locking system to prevent drunken driving**”, 3rd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology, on 18th-19th May, 2018, at SVCE, Bangalore. Paper will be published in IEEE xplore digital library ISBN: 978-1-5386-2440-1.
2. DayashankarPrajapati, K Bhargavi, "**Old-Age Health Risk Prediction and Maintenance via IoT Devices and Artificial Neural Network**", Sixth international conference on Frontiers in Intelligent computing theory and applications, Bhubaneshwar, Feb- 2018, PP. 373-381
3. Lathashree H, Niveditha J. MokaKatte, Pooja K. P., Bhargavi K, B. SathishBabu, "**Multiple CAs based Framework to Provide Remote Palliative Care for Patients undergoing Chemotherapy**", Second International Conference on Advances in Computing and Data Sciences, Springer CCIS , May-2018 (SCOPUS)
4. LikithPrasanna P , Karthik K ,Nandakumara R P ,Nagarjuna N, H. D. Kallinatha “**A Smart Parking System using Internet of Things with Automated Payment System for Smart Cities**”, 3rd IEEE International Conference on Recent Trends in Electronics, Information &

Communication Technology, Held on 18th -19th May, 2018 at SVCE ,Bangalore. Paper will be published in IEEE xplore digital library ISBN: 978-1-5386-2440-1.

5. Mithil K M, LalitSharma, KhatriBimal,MukeshKumar, MohammedZakiSayeed Pasha, Kallinatha H D, **“An Interactive Voice Controlled Humanoid Smart Home Prototype Using Concepts Of Natural Language Processing And Machine Learning”**, 3rd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology . Held on 18th -19th May, 2018 at SVCE, Bangalore. Paper will be published in IEEE xplore digital library ISBN: 978-1-5386-2440-1.
6. Shruthi K, Harikrishnan V S, **“AgerSense An IOT based Agriculture System”**,International Conference on Sustainable Advanced Computing ICSAC 2018 page no- 39,at Christ University Bangalore on 03/03/2018.
7. Lathashree H., Niveditha J. Moka Katte, Pooja K. P., B. Sathish Babu, and Bhargavi K, **“Multiple CAs based Framework with ANN for Load Balancing in Cloud Computing Environment”**, IEEE International Conference for CONvergence in Technology (I2CT), Mangalore, 27/05/2017.
8. K Chethan Malode C. M., Gunasheela B. G., Kavana G., Sushmitha R and Bhargavi K, **“Soft set and Fuzzy Rules enabled SVM Approach for Heart Attack Risk Classification among Adolescents”**, IEEE- 4th International Conference on Computing, Communication, Control And Automation, Pimpri Chinchwad College Of Engineering, Pune, 16/06/2018.
9. Vaishnavi K.R., Bhargavi K, Vadla saisupriya, Vidya and Soumya, **“ Diagnostic Analysis of Breast Cancer in Non-Cancer history patients using Fuzzy MapReduce Framework”**, IEEE- Second International Conference on Computational Systems and information technology for Sustainable Solutions (CSITSS), RVCE, Bangalore, 20th December, 2017.
10. Jagatjyoti G Tuladhar, Ashish Gupta, Sachit Shrestha, Ujjen Man Bania, and K. Bhargavi, **“Predictive Analysis of E-Commerce Products, International Conference on Intelligent Computing and Communication”**, MIT college of Engineering, Pune, 2nd August, 2017. (SPRINGER Publication)
11. Archana S, Thejas G S, Sanjeev Kaushik Ramani, S S Iyengar, **“Image Processing Approaches for Autonomous Navigation of Terrestrial Vehicles in Low Illumination”**, Second IEEE International Conference on Emerging Computation and Information Technologies (ICECIT-2017) Dec. 15th-16th, 2017, SIT, Tumkur.
12. Kushal Nagaraj, Thejas G S, Sanjeev Kaushik Ramani, S S Iyengar, **“Image Feature based Smoke recognition in Mines Using Monocular Camera Mounted on Aerial Vehicles”**, Second IEEE International Conference on Emerging Computation and Information Technologies (ICECIT-2017) Dec. 15th-16th, 2017, SIT, Tumkur.

13. Mithil KM, Thejas G S, Sanjeev Kaushik Ramani, S S Iyengar, “**A low cost Multi Sensorial Data Fusion for High Speed Obstacle Avoidance in 3D Point Clouds and Image Processing in Self Balancing Robots**”, Second IEEE International Conference on Emerging Computation and Information Technologies (ICECIT-2017) Dec. 15th-16th, 2017, SIT, Tumkur.
14. Nidhi S Meda, Thejas G S, Sanjeev Kaushik Ramani, S S Iyengar, “**Mobile WSN Testbed for Agriculture: Plant Monitoring System**”, Second IEEE International Conference on Emerging Computation and Information Technologies (ICECIT-2017) Dec. 15th-16th, 2017, SIT, Tumkur.
15. Pathikrit Pal, Thejas G. S., and S. S. Iyengar, “**A Variation in the Working of Playfair Cipher**”, Second IEEE International Conference on Emerging Computation and Information Technologies, SIT, Tumkur, Dec 15-16, 2017.

International Journal :

1. Siddaramaiah A G, Rakesh D P, Vijayakumar R, Sridhara P S, Gururaj S P , “**Digitalization in Traffic sector**” , International Journal of Science & Engineering Development Research, April 2018
2. Harikrishna V S, Shruthi K, “**Agriculture Management System using Internet of Things**”, International Journal of innovative Research in Science, Engineering and technology, Volume 7, Issue 6, June 2018, Pg No : 6956 - 6961

ii. Publication by PG students along with faculty during academic year 2017-18:

International Journals:

- 1 Shreenath K N, Chidananda K, “**Types of attacks in Wireless Sensor Networks: a review**”, Asian Journal of Science and Technology, Volume No: 08, Issue No: 08, page No:5266-5269, **August, 2017**
- 2 Shreenath K N, Kavyashree K, "**Energy Efficient Routing for SDN based Internet of Things (IoT) Applications**", International Journal of Scientific Development and Research, Volume 3, Issue 3, March 2018.
- 3 Shreenath K N, Harshitha, “**Fault Detection Mechanisms In Wireless Sensor Networks-A Review**”, International journal of scientific & technology research volume 7, issue 3 , March 2018
- 4 A V Krishna Mohan, Likhith S, "**Hospital Queueing Management System with Automatic Appointment Generation**", International Journal of Science and Engineering Development Research, Volume 3, Issue 4, April-2018

- 5 Sharababasava, Kavitha M, “**Smart System for People with Dementia**”, International Journal of Engineering Science and Computing, Volume 8, Issue 4, April 2018.
- 6 Prasanna Kumar K R, Mala S, “**A study on table driven protocol in MANETS**” International Journal of Engineering Science & Computing, May 2018.
- 7 Sheela S, Ravi.V, “**Efficient XML Interchange as Encoding Scheme in DDS**”, International Journal of Engineering and Advanced Technology, Volume-6 Issue-5, June 2017.
- 8 Megha S Anchatgeri and Thejaswini S, “ **The Facebook Analysis using Natural Language Processing (NLP)**, International Research Journal of Engineering and Technology”, Volume 5, Issue 5, May 2018. Impact Factor : 6.171
- 9 Mala. H, Prasanna Kumar K R “A Study on Table driven protocol in Mobile Ad Hoc Networks” , International Journal of Engineering Science & Computing ,Volume 8, Issue 5, May 2018. P.no 17507-17510.

International Conferences:

1. Avinash K C, R Sumathi “**Analyzing Twitter Sentiments with Big Data**”, IEEE International Conference on Trends in Electronics and Informatics (ICOEI- 2018) during 11th -12th May 2018.
2. Manasa, R Sumathi “ **Seasonal Renting Scheme** ”, IEEE International Conference on Trends in Electronics and Informatics (ICOEI- 2018) during 11th -12th May 2018.
3. Bhanuprakash T.V, N R Sunitha, “**Agent based adaptive resource allocation algorithms for cloud computing**, IEEE International conference on Trends in Electronics and Informatics (ICOEI 2018), Tirunelveli, Tamil Nadu, India.
4. Vidya K T, Ashwini B P, “**Survey on Real Time Traffic analysis on BigData**”,International Conference on Trends in Electronics on a Informatics, 11th – 12th May 2018, SCAD College of Engineering, Tiruneveli, Tamilnadu, Page No 8503-860.
5. Chaithra.R, A.S Poornima, “**A Mobile Ad hoc Cloud for Automated Video Surveillance System With message Alert**”, International Conference on Trends in Electronics and Informatics (ICOEI 2018). (SCOPUS)
6. H Shravani, A. S. Poornima, “**A Comparative Analysis of Encryption Techniques for Securing Cloud Data**”, 2nd IEEE International conference on Electronics and Aerospace Technology(ICECA-2018)
7. Puneetha M.S, Nirmala M. B, “**Energy Efficient Power Aware VM Scheduling in Decentralised Cloud**” , Second IEEE International Conference on Emerging Computation & Information Technologies, Siddaganga Institute of Technology, Dec 15-16, 2017.
8. Lakshmishree K P, Nirmala M. B, “**Localization in Wireless Sensor Networks with Optimization and Security Schemes-A Review**”, IEEE International conference on Intelligent

Computing and Control Systems-ICCS 2018, Vaigai college of engineering, Madurai, 14th and 15th June 2018.

9. Prasanna Kumar K R, Sharanabasava Patil, “**Big data in Agribusiness: Climate gauging for Savvy farming**” IEEE International Conference on interactive systems and Control.ISBN 978-1-5386-0807-4 held at Coimbtore, tamilnadu, India January 2018
10. ShruthiSanjeevmurthy, Ravi.V, “**Peer to Peer Search Operations by the Distributed Applications using Public Cloud**”,2nd International Conference on Emerging Computation and Information Technologies (ICECIT 2017).
11. SaumyaYattinahalli, R M Savithramma, “**A Personal Healthcare IoT System Model using Raspberry Pi 3**”,’ International Conference on Inventive Communication and Computational Technologies, Coimbatore (ICICCT 2018) (IEEE) 20th, 21st April, 2018.
12. Prajwala J, Nousheen Taj, “**Performance analysis of VOIP over LTE network using NS3**”,IEEE International Conference on Electrical, Electronics, Computers, Communication, Mechanical & Computing (EECCMC-2018), Jan 28th & 29th ,Tamil Nadu, India.
13. Prajwala J, Reema Mathew and Nousheen Taj, “**Analysis of VOIP traffic over LTE using different Codecs**”, 3rd IEEE International conference on Recent Trends in Electronics Information & Communication Technology (RTEICT-2018). Held on 18th -19th May, 2018 at SVCE, Bangalore. Paper will be published in IEEE xplore digital library ISBN: 978-1-5386-2440-1.
14. Vandana M, Kallinatha H D, “**An Enhanced method for Streaming Multimedia data to achieve the Quality of Service Support using SDN**”, Second IEEE International Conference on Emerging Computation and Information Technologies (ICECIT-2017) Dec. 15th-16th, 2017, SIT, Tumkur.
15. Vandana M, Kallinatha H D, “**Quality of Service enhancement for Multimedia Applications using Scalable Video Coding**”, accepted in International Conference on Intelligent Computing and Control Systems - ICCS 2018, on 14-15 June, 2018 at Vaigai College of Engg, Madurai, Tamilnadu, India. Paper will be published in IEEE xplore digital library with ISBN: IEEE Xplore - 978-1-5386-2842-3 and proceedings in the form of DVD with- 978-1-5386-2841-6 and will also be included for Scopus indexing.
16. Megha S Anchatgeri and Thejaswini S, “ **Safety and Security issues in Natural language Processing (NLP)- A Review** ”, 2nd IEEE International Conference on Advances in Electronics , Computer and Communications (ICAECC), 978-1-5386-3785-2/18, Feb 2018, Bangalore.
17. B C Ashwini, Y S Nijagunaraya, “**Resource Scheduling in Cloud using Back Propogation Algorithm**”, Second IEEE International Conference on Emerging Computation and Information Technologies (ICECIT-2017) Dec. 15th-16th, 2017, SIT, Tumkur.

18. Bhanuprakash T V, N R Sunitha, “ **Agent based Adaptive Resource Allocation Algorithms for Cloud Computing**”, IEEE International Conference on Trends in Electronics and Informatics, Tirunelveli, Tamil Nadu, India, 2018.

iii. Publications by faculty during academic year 2017-18:

International Journals:

1. C. Bhanuprakash, Y.S. Nijagunarya, M.A. Jayaram, “**Clustering of Faculty by Evaluating their Appraisal Performance by using Feed Forward Neural Network Approach**”, International Journal of Intelligent Systems and Applications, Volume 3, Page No: 34-40, May, 2017.
2. Pramod T.C, N.R.Sunitha, “**Key Management Infrastructure Design and Novel Techniques to Establish Secure Communications in Critical Infrastructures**”, International Journal of Critical Computer-Based Systems, Voume No: 7, Issue No. 2, Page No: 171–189, August 2017.
3. K Bhargavi, B Sathish Babu, S. S. Iyengar, “**Predicting the Brand Popularity from the Brand Metadata**”, International Journal of Electrical and Computer Engineering (IJECE), **Scopus Indexed**, Volume 8, Issue 6, 2018.

International Conferences:

1. A H Shantha Kumara, N R Sunitha, “**A Comprehensive Reference Architecture for re-encryption based archival system with insurability services**”, Second IEEE International Conference on Emerging Computations and Information Technologies, 15-16 Dec. 2017, SIT, Tumkur, India.
2. R M Savithramma, Chandraprabha K S, “**An Efficient Virtual Machine Allocation Policy for Cloud Datacenter**”, International Conefernec on Electrical, Electronics, Computer, Communication, Mechanical and Computing, Tamilnadu (EECCMC-2018) (IEEE), 28th - 29th, Jan 2018.
3. Prema S , Pramod T C, “**Key Establishment Scheme for Intra and Inter Cluster Communication in WSN**”, 2nd International Conference on Computing Methodologies and Communications (ICCMC 2018)”, February 15 – 16, 2018, pg. No 942-944, Surya Engineering College, Erode.
4. Bhargavi K, B. Sathish Babu, “**Softset based DDQ Scheduler for Optimal Tasks Scheduling in Cloud**”, Second IEEE International Conference on Emerging Computation and Information Technologies, SIT, Tumkur, 15th December, 2017.

5. Rajeshwari S Gaddikeri, K G Manjunath, “**A Survey on Collision Systems**”, International Conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing, Page No: 433-438.

iv. Publication by faculty along with Ph.D. scholars during academic year 2017-18:

International Journal (Scopus Indexed):

1. Pramod T C, Kianosh G Boroojeni, M . Hadi Ami, N R Sunitha, S S Iyenger, “**Key Pre distributionScheme with Join Leave Support for Resource Constraint Network**”, International Journal of Critical Infrastructure Protection, NoV 2018.

International Conferences (Scopus Indexed):

1. RadhaKrishna Bhat, N R Sunitha,, “**A Novel Hybrid Private Information Retrieval With Non-Trivial Communication Cost**”, 4th IEEE International Conference on Recent Advances in Information Technology during 15-17 March 2018, IIT, Dhanbad, India.
2. RadhaKrishna Bhat, N R Sunitha, “**A Novel Computationally Bounded Oblivious Transfer with Non-trivial Communication**”, 6th International Conference on Advanced Computing, Networking, and Informatics[ICACNI - 2018] 04 - 06 June 2018, NIT Silchar - published in AISC series of Springer.
3. RadhaKrishna Bhat, N R Sunitha , “**A Novel Private Information Retrieval Technique for Private DNS Resolution**”, Second International Conference on Integrated Intelligent Computing, Communication & Security, 24, 25 January 2018, Bangalore, Karnataka, India - published by **Springer** in the **Advances in Intelligent Systems and Computing** series and indexed in **Scopus** and **dblp**.
4. Sandhya R Savanur, R Sumathi, “**Feature Based Sentiment Analysis of Compound Sentences**”, Second IEEE International conference on Emerging Computation and information Technologies, Dec 15-16, 2017 Tumakuru, Karnataka, India
5. Kumaresh Sheelavant, R Sumathi, "**Interference & delay aware routing algorithm for Cognitive radio sensor networks**", Second IEEE International conference on Emerging Computation and information Technologies, Dec 15-16, 2017 Tumakuru, Karnataka, India
6. Mahesh Kumar, N R Sunitha, “**Preserving Location Data Integrity in Location Based Servers using Blockchain Technology**”, Second IEEE International Conference on Emerging Computations and Information Technologies, 15-16 Dec. 2017, SIT, Tumkur, India.

7. V. Ravi, N R Sunitha, Sushma Verma, Pradeep R, “**Formal methods to verify authentication in TACACS+ protocol**”, Second IEEE International Conference on Emerging Computations and Information Technologies, 15-16 Dec. 2017, SIT, Tumkur, India.
8. Radhakrishna Bhat, N R Sunitha, “**A Novel Perfect Privacy Preserving Single Database Private Information Retrieval With Non-trivial Communication**”, Second IEEE International Conference on Emerging Computations and Information Technologies, 15-16 Dec. 2017, SIT, Tumkur, India.
9. Ravi N, N R Sunitha, “**Introduction of Blockchain to Mitigate The Trusted Third Party Auditing for Cloud Security: An Overview**”, Second IEEE International Conference on Emerging Computations and Information Technologies, 15-16 Dec. 2017, SIT, Tumkur, India.
10. Radhakrishna Bhat, N R Sunitha, “**A Novel Tamper Evident Single Database Information Theoretic Private Information Retrieval for User Privacy Applications**”, 21st International Conference on Information Security and Cryptology, Seoul, South Korea, 28-30 Nov, 2018.

v. Book Chapters by faculty with Ph.D. scholars during academic year 2017-18:

Book chapter Details (Scopus Indexed):

1. Thejas G S, Pramod T C, S S Iyengar , N R Sunitha , “**Intelligent Access Control: A self-Adaptable Trust Based Access Control Framework (SATBAC) using Game Theory Strategy**”, International Symposium on Sensor Networks, Systems and Security, Lakeland, Florida 33815-1509, USA, Aug, 31 – Sept. 2, 2017, Springer Verlag.
2. A. H. Shanthakumara , N R Sunitha, “ **Techniques to certify integrity and proof of existence for a periodical re-encryption based long term archival systems**”, International Symposium on Sensor Networks, Systems and Security, Lakeland, Florida 33815-1509, USA, Springer Verlag, Aug, 31 – Sept. 2, 2017.
3. Radhakrishna Bhat, N R Sunitha, “**A Novel Perfect Privacy PIR Scheme for Privacy Critical Applications**”, International Symposium on Sensor Networks, Systems and Security, Lakeland, Florida 33815-1509, USA, Springer Verlag, Aug, 31 – Sept. 2, 2017.
4. Mahesh Kumar K M, N R Sunitha, “**Public Key Cryptosystem for Privacy Sensitive Location Based Services**”, International Symposium on Sensor Networks, Systems and Security, Lakeland, Florida 33815-1509, USA, Springer Verlag, Aug, 31 – Sept. 2, 2017.
5. N Ravi, N R Sunitha , “**Security Threats and Solutions for Virtualisation and Migration in VMs**”, International Symposium on Sensor Networks, Systems and Security, Lakeland, Florida 33815-1509, USA, Springer Verlag, Aug, 31 – Sept. 2, 2017.

6. Pramod T C, N R Sunitha, **“SCADA:Analysis of Attacks on Communication Protocols”**, International Symposium on Sensor Networks, Systems and Security, Lakeland, Florida 33815-1509, USA, Springer Verlag, Aug, 31 – Sept. 2, 2017.
7. K. Bhargavi, B. Sathish Babu, **“Accelerating the Big Data Analytics by GPU based Machine Learning: A Survey”**, International Symposium on Sensor Networks, Systems and Security , Springer Verlag, Florida, USA, 2018