

# JERUSALEM COLLEGE OF ENGINEERING

## DEPARTMENT OF INFORMATION TECHNOLOGY

### RESEARCH AND DEVELOPMENT

#### R & D Year 2013-14

##### **Papers Published :**

1. Dr.D.C.Tomar , C.Vinodhan, M.Murugaiya Gokul presented a paper ,“Pedestrian navigation aid for visually impaired at traffic signal using mobile cloud”, in the National Conference on Advances in Computer Science & Applications on March 2014.
2. Prof.A.Vijayakumar & Sandhiya, Divyalakshmi, Daniel Dinesh, Dharmarajan presented a paper titled “Node life time increment using energy protocol in mobile Adhoc network”,in IRF International Conference in March 2014
3. Prof.A.Vijayakumar, S.Ramadoss presented a paper titled, “Life time increment using energy protocol in mobile Adhoc network”, in International Conference on Engineering & Applied Services (ICEAS) March 2014.
4. Prof.A.Vijayakumar presented a paper titled, “ An advent approach of Tactile based entry with speak support for visually impaired”, at the International Conference on Electrical, Electronics & Communication Engineering on March 2014.
5. Prof.A.Vijayakumar published a paper in titled, “Node cooperation and message authentication in trusted mobile adhoc network” the International Journal of Engineering and Technology, 2014.
6. Mrs.T.Kavitha,published a paper titled, “Key distribution scheme using modulo operation for WSN “, in the Journal of Information – An International interdisciplinary Journals, Nov.2013
7. Mrs.T.Kavitha published a paper, “Optimal resource key management protocol for clustered heterogeneous wireless sensor networks”, in the Malaysian Journal of Computer Science, 2013.
8. Mrs.T.Kavitha published a paper ,“Probablistic key chain based key distribution scheme for WSN”,in the Journal of International review on computers and software, May 2013.
9. Mrs.T.Kavitha presented a paper titled “Key distribution scheme for hierarchical cluster wireless sensor network” in the National Conference on Information and Communication, April 2013.
10. Mrs.T.Kavitha, Swathika presented a paper titled “Application of coding theory to source anonymity in wireless sensor network” in the International Conference on Engineering and applied sciences, March 2014.

11. Mrs.T.Kavitha, Divya Ravi presented a paper titled "Efficient usage of untrusted relays end- to- end communication for wireless sensor networks" in the International Conference on Computer Science & Mechanical Engineering, March 2014.
12. Mrs.T.Kavitha, Kelvin Mosses, Haroon.S, S.Shiva Kumar presented a paper titled "An efficient routing approach for in network aggregation in wireless sensor networks" in the National Conference on Advances in Computer Science and Applications, March 2014.
13. Mrs.A.R.Kavitha published a paper titled, " Brain cancer segmentation in MRI medical image using combined watershed algorithm and thresholding with multilayer perception (CWTMP) neural network", in the International Journal of Computer Science trends & Technology in Feb.2014
14. Mrs.A.R.Kavitha published a paper , " Online medical health care application for cancer disease prediction based on pattern matching and SVM classifier with MVC framework",in the International Journal of Biomedical Engineering & Technology in Sep.2013.
15. Mrs.A.R.Kavitha published a paper "Brain tumour segmentation in MRI images based on image registration and improved fuzzy C-means(IFCM) method", in the Journal of International review on Computers & Software in Oct.2013.
16. Mrs.A.R.Kavitha & Dharani presented a paper, " Brain segmentation based on genetic algorithm with neural network in MRI image", in International Conference on Advanced computing control systems machines & Embedded Technology in March 2014
17. Mrs.A.R.Kavitha, S.Jayalakshmi, M.Kavya, M.B.Surekha, D.Swetha presented a paper titled "E-Health care application to predict the location of brain cancer using SVM classification and genetic algorithm", in International Conference on Futuristic trends in Computer Science Engineering & Information Technology (ICFTCS) in MAR 2014.
18. Mrs.A.R.Kavitha and Fathima presented a paper titled, " Image registration and segmentation of brain tumour in MRI images ",in International Conference on Science, Engineering and Management (ICSCM) in May 2013.
19. A.R.Kavitha ,R.Shana,K.Sugitha,P.Vaisnavi priya and M.Divya presented a paper titled, " provoding dynamic privacy model based on Iris recognition for online healthcare systems",in National Conference on Recent Trends in Engineering and Technology (RTET'14) in March 2014..
20. Mrs.P.Thilagavathi & M.Muthulakshmi presented a paper titled , " Genetic approach for efficient localization in WSN",in the International Conference on Advanced Computing Contol systems machines & Embedded Technology in March 2014.
21. Mr.A.Prakash presented a paper titled, " Secure and flexible access policy for large scale of data in cloud computing using attribute based encryption", in National Conference on big data analysis and cyber security in Feb.2014.
22. Mr.A.prakash published a paper titled, "A biometric approach for continuous user authentication by fusing hard and soft traits ", in the International Journal of Network security on Jan 2014.
23. Mr.A.prakash presented a paper titled , " Robust identification and measurement of intima media thickness to find serenity of cardiac vascular disease using thresholding

method", in national conference on recent trends in electronics and communication (RTEC- 2014).

24. Mrs.S.Lilly Sheeba presented a paper titled, "A dual Cache consistency scheme in manets", in International Conference on Advanced computing, control system,machine and embedded technology in march 2014.
25. Mrs.S.Lilly Sheeba presented a paper titled, "SIP-Server initiated push based update mechanism for caching in WN", in National Conference on Advances in computer science and applications in march 2014.
26. Mrs.X.Anita published a paper titled, "Two way acknowledgement based trust framework for WSN", in the International Journal of Distributed Sensor Networks in 2013
27. Mrs.X.Anita ,Dr.M.A.Bhagya veni presented a paper titled, " Acknowledgement based trust framework fo WSN", in the International joint Conference on Advances in Signal Processing and Information Technology(LNICST) in 2013.
28. Mrs.X.Anita, Dr.M.A.Bhagya veni presented a paper titled , " Energy efficient trusted routing protocol",in the national conference on Recent Trends in wireless communication & Networking in 2014.
29. Mrs.S.Indumathi,K.U.Pavithra,R.Harini,.Anita presented a paper titled , " Readdress track for manifold node failure in wireless sensor – actor network",in the national conference on Recent Trends in Information Technology (NCRTIT) in 2014.
30. Mrs.R.Beulah Jayakumari published a paper titled, " Congestion aware routing in WSN",in the International Conference on advanced computing control systems, machines and embedded Technology in 2014.
31. Mrs.A.Vinu presented a paper titled , " Mining infrequent pattern for drugs and their pivotal effects to ascertain adverse drug reaction signal pairs", in the International Conference on Futuristic trends in Computer Science Engineering & Information Technology (ICFTCS) in 2014.

## **STUDENTS PUBLICATIONS**

1. C.Vinodhan, M.Murugaiya Gokul presented a paper ,"Pedestrian navigation aid for visually impaired at traffic signal using mobile cloud", in the National Conference on Advances in Computer Science & Applications on March 2014.
2. Sandhiya, Divyalakshmi, Daniel Dinesh, Dharmarajan presented a paper titled "Node life time increment using energy protocol in mobile Adhoc network",in IRF International Conference in March 2014
3. S.Anusha,Anamika chatterjee,K.Anupama devi presented a paper titled , " An approach to privacy preservation of Indian",in the national conference on Recent Trends in computer application and Technology (NCRTCAT) in April 2013.
4. Divya Ravi presented a paper titled "Efficient usage of untrusted relays end- to- end communication for wireless sensor networks" in the International Conference on Computer Science & Mechanical Engineering, March 2014.

5. Kelvin Mosses, Haroon.S, S.Shiva Kumar presented a paper titled "An efficient routing approach for in network aggregation in wireless sensor networks" in the National Conference on Advances in Computer Science and Applications, March 2014.
6. Hanna Jennifer.J,N.Norosha, presented a paper titled,"Mining in frequent pattern for drugs and their pivotal effects to ascertain adverse drug reaction signal pairs", in International Conference on futuristic trends in computer science engineering and information technology(ICFTCS 2014)MAR 2014.
7. S.Jayalakshmi, M.Kavya, M.B.Surekha, D.Swetha presented a paper titled "E-Health care application to predict the location of brain cancer using SVM classification and genetic algorithm", in International Conference on Futuristic trends in Computer Science Engineering & Information Technology (ICFTCS) in MAR 2014.
8. Fathima presented a paper titled, " Image registration and segmentation of brain tumour in MRI images ",in International Conference on Science, Engineering and Management (ICSCM) in May 2013.
9. R.Shana,K.Sugitha,P.Vaisnavi priya and M.Divya presented a paper titled, " provoding dynamic privacy model based on Iris recognition for online healthcare systems",in National Conference on Recent Trends in Engineering and Technology (RTET'14) in March 2014.
10. M.Muthulakshmi presented a paper titled ," Genetic approach for efficient localization in WSN",in the International Conference on Advanced Computing Contol systems machines & Embedded Technology in March 2014.
11. K.U.Pavithra,R.Harini,Anita presented a paper titled , " Readdress track for manifold node failure in wireless sensor – actor network",in the national conference on Recent Trends in Information Technology (NCRTIT) in 2014.
12. P.Jayashree, N.Dhivya, presented a paper titled, "An efficient hybrid routing protocol for providing security in MANET", in National conference on recent trends in computer applications and technology in APRIL 2013.
13. K.C .Dhanavarshini,G Gunavathy,J.J.Juliet Theresa presented a paper titled,"E-Health care application for disease prediction using SVM algorithm and MVC framework "in the national conference on recent trends in computer application and technology, April 2013.

## **R&D Year 2012-13**

### **Papers Published :**

1. A.VijayaKumar et.al, "A Highly Cooperative and Authenticated Reputation System in MANETS", Proceedings of International Conference on Computing Communication and Advanced Networks, May 2013.

2. A.VijayaKumar et.al, "Multimodel Biometric Authentication using Partially hidden Markov Decision process in MANETS", Proceedings of International Conference on Computing Communication and Advanced Networks, May 2013
3. T. Kavitha et.al, "Key Distribution for Hierarchical Cluster in Wireless Sensor Networks", in proceedings of national Conference on Information and Communication in Engineering and Technology, April 2013.
4. A.R. Kavitha et.al, "Web based Health care application for disease Prediction based on SVM and MVC Framework", in proceedings of national Conference on Recent Trends in Engineering and Technology, April 2013
5. A.R.Kavitha et.al, "Brain Tumor Segmentation In Mri Images Based On Image Registration And Improved Fuzzy C-Means (Ifcm) Method", accepted for publication in International Review on Computers and Software (IRECOS), in August 2013.
6. A.R.Kavitha et al, "Image registration and segmentation of tumors in mr images", In Proceedings of International Conference on Computer Software Engineering and Management, May 2013
7. A.R.Kavitha, et.al, "Medical Healthcare Application for Predicting Cancer Disease using SVM Algorithm and MVC Framework", accepted for publication in International Journal of Biomedical Engineering and Technology (IJBT) in Dec 2013.
8. P.Thilagavathi et.al, "Categorization of Web content based on social emotions using Data mining", International Journal of Advanced Scientific and Technical Research, Volume2, April 2013
9. P.Thilagavathi et.al, "An approach to Privacy Preservation of Indian Law" in Proceedings of National Conference on Recent Trends in Computer Application and Technology, April 2013.
10. Prakash et.al, "A Biometric approach for continuous user Authentication using Hard and Soft Trails" Volume16 Pageno: 65-70, Jan 2013.
11. S.Lilly Sheeba et. al, "An Efficient Hybrid Routing Protocol for providing Security in MANET", in proceedings of National Conference on Recent Trends in Computer Application and Technology April 2013.
12. R.Beula et.al, "Priority Based congestion detection & avoidanc in wireless sensor Netowrks", in Journal of Computer Science, April 2013.
13. R.Beula Jayakumari et.al, "Priority based Message Scheduling with neighborhood buffer check based message drop in delay tolerant networks", in proceeding of International conference on Recent Advancement in Engineering and Technology, April 2013
14. Anita et.al, "Two way Acknowledgement- Based Trust Framework for Wireless Sensor Networks", International Journal of Distributed Sensor Networks, April 2013.
15. X.Anita et.al, "Query Processing using Subset Hierarchical Refinement Algorithm", in proceedings of National Conference on Computer Intelligence of Information Technology, April 2013.
16. A.Vinu et al," Securing Outsourced High Sensitive data in a Cloud Environment", International Journal of Scientific and Technical Research, Volume2, April 2013.

17. A.Vinu et.al, "Data mining of Social media Specific string for rapid forensic Investigation", in proceedings of International Conference on Innovative Trends in Computing and Technology, March 2013.
18. A.Vinu et.al, "Improvisation of Query processing using TAAT method in EBR model", in proceedings of National Conference on NCACTA, April 2013.
19. V.Kavitha Priyadharshini et.al, "Ensuring File Security in Cloud Environment" in proceedings of National Conference on Recent Trends in Engineering and Technology, March 2013.
20. V.Kavitha Priyadharshini et.al, "Fast Mining Algorithm For Finding Cancer Cell Patterns", in National Conference on future innovacation in computer science and Information Technology (FICSIT 2K12) April 2012 at Adhi College of Engineering and Technology.
21. V.Kavitha Priyadharshini et.al, "Slider Based Image Retrieval", A National Management Conference & National Management Meet April 2012 at Thirumalai Engineering College.
22. V.Kavitha Priyadharshini et.al, "Ensuring File Security in private Cloud", International Journal of Research in Engineering and Advanced Technology, Volume1, March 2013
23. V.Kavitha Priyadharshini et.al, "Providing Complete Security To Outsourced High Sensitive Data In a Cloud Environment", European Scientific Journal April 2013 Edition Vol. 9, No:12 ISSN: 1857- 7881 e-ISSN: 1857-7431

## **R&D Year 2011-12**

### **Papers Published:**

1. Marykutty Cyriac, C. Chellamuthu, "A Novel Visually Lossless Spatial Domain Approach for Medical Image Compression", European Journal of Scientific Research, vol. 71, No.3, pp. 347-351, March 2012.
2. T.Kavitha "Design of Deterministic key pre distribution using number theory" IEEE Conference (ICECT), kanyakumari, and 2011.
3. T.Kavitha" Design of deterministic key distribution for WSN", National conference on NCACT, S.A. Engineering College, 2011
4. T.Kavitha, "A Novel Identity based Deterministic Key Distribution for Wireless Sensor Network", European Journal of Scientific Research ,vol 54.no.3 , pp.363-374,2011
5. T.Kavitha,"Efficient key distribution in wireless sensor network by number theory",International conference on Futuristic Trends in computer science Engineering & Information Technology (ICCT), Thiruvalluvar college of Engg & Technology ,2012
6. A.R.Kavitha,"An Efficient Brain Tumor Technique using Modified Region Growing Algorithm", IEEE sponsored International Conference on Computing, Electronics and Electrical Technologies (ICCEETS-2012), Nooral Islam University, Nagarcoil, March 2012.
7. S.Lilly Sheeba,"A Time Index Based Approach for Cache Sharing in Mobile Adhoc Networks", International conference on Computer science, Engineering & applications. CCSEA, AIRCC at hotel Hyat Regency, 2011.