

# Toc H Institute of Science & Technology, Arakunnam

## Department of Computer Science & Engineering

### Publications on 2014-2015

#### Publications by Faculty 2014-'15

- **N Vishwanath** published a paper "*Multiobjective Evolutionary PSO algorithm for matching surgically altered face images*" in the International Journal of Emerging Trends in Engineering and Development, 2014-March Vol 2 Issue 4 931-937 ISSN 2249 – 6149
- **N Vishwanath** published a paper "*Countering Phishing Threats using a Secure Login and Visual Cryptography*" in the International Journal of Emerging Trends in Engineering and Development 2014-March Vol 2 Issue 4 2761-2767 ISSN 2249 – 6149
- **N Vishwanath** published a paper "*Separable Reversible Data Hiding in Encrypted Images by reserving Space using Image Expansion*" in the International Journal of Emerging Trends in Engineering and Development 2014-March Vol 2 Issue 4 1673-1679 ISSN 2249 – 6149.
- **Sreela Sreedhar** published a paper "*Detection of DNS based Attacks*" in the International Journal of Emerging Trends in Engineering and Development 2014 March Vol.2 Issue 4 1441-1446 ISSN 2249-6149
- **Sreela Sreedhar** presented a paper on "*A Security Framework for Brokerless Publish Subscribe System using Identity Based Signcryption*" in the IEEE International Conference, organized by the Department of Electrical and Electronics Engineering held at Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari, Tamil Nadu on 19<sup>th</sup> and 20<sup>th</sup> March 2015.
- **Rasmi P.S** published a paper titled "A Novel Biometric Authentication for ATM security", in the International Journal of Emerging Trends and Technology in Computer Science (IJETTCS) ,Volume 4 Issue 2, ISSN 2278-6856, April 2015
- **Rasmi P.S** published a paper titled "A Survey on Different Image Steganalysis Techniques" in the International Journal of Modern Trends in Engineering and Research (IJMTER) Volume 02, Issue 04, Pages 532-536, ISSN 2349-9745 April 2015
- **Panchami V, Bonny V Raj** presented a paper titled "*DNA Based Cryptography using Permutation and Random Key generation Method*" in the International Journal of Innovative Research in Science, Engineering and Technology, Volume 3, Special Issue 5, ISSN(Print): 2347-6710, ISSN(Online):2319-8753, July 2014.
- **Panchami V** published a paper on "*A Fast Color Authentication Algorithm for Secure Mobile Computing*" in the International Journal of Applied Engineering Research March 2015. Vol.10 No.20 ISSN 0973-4562 (Presented at the IEEE International Conference on Innovations in Information, Embedded and Communication Systems, held at Karpagam College of Engineering, Coimbatore, Tamilnadu on 20<sup>th</sup> March 2015)
- **Saira Varghese** has participated and presented a paper entitled "*A Comparative Analysis on Cloud Data Security*" in the Global Conference on Communication Technologies (GCCT-2015) organized by the Department of Electronics and Communication Engineering, Noorul Islam University during 23<sup>rd</sup> and 24<sup>th</sup> April 2015.

## **Publications by Students 2014-'15**

*Published in **International Journal of Modern Trends in Engineering and Research:***

- Antu Mary Kuruvilla – A Survey on Identity Deception detection in Social Media Applications
- Sruthi Das N – A Survey on Different Image Steganalysis Techniques

*Published in **International Journal of Science, Engineering and Technology:***

- Susan Basil – A Secure Data Transfer Mechanism for Identifying the Attacker without False Acquisition using Cryptographic Operations

*Published in **International Journal of Computer Science and Mobile Computing:***

- Shruthy V C – An Efficient Self Embedding Watermarking Scheme for Color Image Tamper Detection and Recovery

*Published in **ARPJ Journal for Engineering and Applied Sciences:***

- Limy Sebastian – Security and Privacy of relational data using access control and privacy protection mechanism

*Published in **International Journal of Engineering Research and Technology:***

- Jyothi Kannan – Enhanced Technique for Privacy Preserving Public Auditing for Shared Data in Cloud

*Published in **International Journal of Science, Engineering and Technology Research:***

- Anju Paul – Watermarking of Relational Databases using Video

*Presented at the **International Conference on Recent Innovations in Engineering and Technology** on 26<sup>th</sup> and 27<sup>th</sup> February 2015 at Travancore Engineering College, Kollam:*

- Amal P S – Image Tampering Detection Based on Contrast Enhancements in Digital Images
- Harisankar R – Relationship Learning based Super Resolution for At-A-Distance Iris Recognition
- Shyama Nair V S – A Secure Image Transmission Technique via Mosaic Images using Image Features for Key Generation

*Presented at the **International Conference on Advances in Computer and Electronics World 2015** on 26<sup>th</sup> and 27<sup>th</sup> March 2015 at TKM Institute of Technology, Kollam:*

- Amal P S – Image Tampering Detection Based on Contrast Enhancements in Digital Images
- Harisankar R – At a Distance Iris Recognition Problem
- Shyam Mohan – A Novel Swift User Friendly Fake Detection System for Multiple Biometrics based on Image Quality Assessment
- Shyama Nair V S – A Novel Joint Data Hiding and Secure Image Transmission via Mosaic Image Steganography using Image Features for Key Generation

*Presented at the **IEEE International Conference on Circuit, Power and Computing Technologies (ICCPCT) 2015** on 19<sup>th</sup> and 20<sup>th</sup> March 2015 at Noorul Islam University:*

- Anusree P – A Security Framework for Brokerless Publish Subscribe System using Identity based Signcryption
- Anju Paul – Distortionless Watermarking of Relational Databases based on Circular Histogram Modulation
- Antu Mary Kuruvilla – A Detection System to Counter Identity Deception in Social Media Applications
- Minta Thomas – An Encryption Protocol for end to end Secure Transmission of SMS
- Sruthi Das N – Large Scale Steganalysis using Outlier Detection Method for Image Sharing Application

*Presented at the **2<sup>nd</sup> International Conference on Emerging Trends in Technology and Applied Sciences (ICETTAS'15)** on 30<sup>th</sup> April – 2<sup>nd</sup> May 2015 at SaintGits College of Engineering:*

- Keerthy J – Energy Efficient and Secure Genetic Clustering in Wireless Sensor Network
- Liya Antony – Detecting Clone Attacks in Mobile Sensor Network using Localized Algorithms and Clustering

*Presented at the **DRDO sponsored IEEE International Conference on Innovations and Information Embedded and Communication Systems (ICIIECS '15)** on 19<sup>th</sup> and 20<sup>th</sup> March, 2015 at Karpagam College of Engineering, Combatore:*

- Asha Kurian – A refinement to the Single Sign on Authentication for Distributed Computer Networks
- Elmy Raju – Pollution Attack Prevention in Personalized Web Search
- Jithimol P S – Enhanced Security Approach on Social Networks by K Anonymization
- Limy Sebastian – Security and Privacy of Relational Data using Access Control and Privacy Protection Mechanism
- Navya Noble – NVSS Scheme for Digital Image Sharing
- Sangeetha N Kumar – Efficient Revocation and Key Management for Cipher Text Policy Attribute based Data Sharing System
- Shruthy V C – Self Embedding Watermarking Scheme for Tamper Detection and Recovery of Color Images

*Presented at the **1<sup>st</sup> International Conference on Futuristic Trends in Computational Analysis and Knowledge Management** on 25<sup>th</sup> to 27<sup>th</sup> February 2015 at Amity University, Noida*

- Susan Basil – A Secure Data Transfer Mechanism for Identifying the Attacker without False Acquisition using Cryptographic Operations

*Presented at **National Conference on Innovations in Computing and Networks** on 10<sup>th</sup> and 11<sup>th</sup> April 2015 at Younus College of Engineering and Technology, Kollam:*

*Published in **International Journal of Emerging Trends and Technology in Computer Science:***

- Swathy G S – A Bio capsule based Authentication system with Secured Intrusive User Authentication