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**Area of Specialization** – Image processing, Data Analytics, Machine Learning

### **PUBLICATIONS**

#### **International Journals**

1. **M. Marimuthu, M. Abinaya, K. S. Hariesh, K. Madhankumar, V. Pavithra, “A Review on Heart Disease Prediction using Machine Learning and Data Analytics Approach”, International Journal of Computer Applications Volume 181, Issue 18, 2018, pp.20-25**
2. **S. Vaishnav, P. Niveditha, R. Kiruthiga, M. Marimuthu, V. Keerthika, “Tracing the Price Index of Consumer Goods in USA”, International Journal for Scientific Research and Development Volume 6 Issue 5, 2018, pp. 1034-1036.**
3. **M. Marimuthu, S. Deiva Rani, C. Mythili, L. Swathi, “Classification and Prediction of Diabetes Mellitus using Data Mining Techniques”, International Journal of Scientific and Engineering Research, Volume 9, Issue 4, 2018, pp. 625-628**
4. **M. Marimuthu, M. Ajitha, R. PriyaNandhini, “Automatic Irrigation System for Vegetable Crops using Internet of Things”, Research Journal of Science and Engineering Systems, Volume 3, 2018, pp.91-100**
5. **M. Marimuthu, S. Nivetha, K. Sirushti, “Accident Detection and Reporting System using Internet of Things” Research Journal of Science and Engineering Systems, Volume 3 Issue 2, 2018, pp. 121-130**
6. **M. Marimuthu, A. Kannammal, "Dual Fingerprints Fusion for Cryptographic Key Generation", International Journal of Computer Applications, Volume 122, Issue 23, 2015, pp.20-25.**

7. **M. Marimuthu, A Kannammal, "An Improved Method for Matching of Fingerprint Features"**, International Journal of Applied Engineering Research, Volume 10, Issue 3, **2015**, pp.7509-7516.
8. **M. Marimuthu, A Kannammal, "Watermarking based enhanced Multimodal Biometric Authentication Technique"**, International Journal of Contemporary Research in Computer Science and Technology, Volume 1, Issue 9, **2015**, pp.334 – 341

#### **International Conferences**

1. **M. Marimuthu, S. Deivarani, R. Gayathri, “ Analysis of Heart Disease Prediction using Various Machine Learning Techniques”**, International Conference On Artificial Intelligence, Smart Grid and Smart City Applications (AISGSC 2019), PSG College of Technology, Coimbatore, January 3-5, **2019**
2. **M. Marimuthu, V. Keerthika, C.P. Sri Chidambaram Poobalan, S. Sreenath, R. Mohan Kumar, “Statistical Analysis of Cancer Data”**, International Conference on Mathematical Modelling and Scientific Computing( ICMMS - **2018**), **Indian Institute of Technology (IIT) INDORE**.
3. **M. Marimuthu, V. Keerthika, P. SabariRaaj, T. Yuvaraj, M. Rahul, R. Gokulprasath, “Prediction of Exports in India using Multiple Regression and Exponential Model”**, 2nd International Conference on Frontiers in Engineering, Applied Sciences and Technology, **National Institute of Technology (NIT) Trichy**, April 27-28, **2018**, pp.85-88
4. **M. Marimuthu, V. Keerthika, S. GokulRanjith, N. Sai Krishna “Analysis of Trends in Principal Food Crops in India”**, 2nd International Conference on Frontiers in Engineering, Applied Sciences and Technology, **National Institute of Technology (NIT) Trichy**, April 27-28, **2018**.
5. **M. Marimuthu, V. Keerthika, R. Krishika, V. KuzhalMozhi, C. Vipin, “Analysis of Crime Data in Tamilnadu using Regression”**, 2nd International Conference on Frontiers in Engineering, Applied Sciences and Technology, **National Institute of Technology (NIT) Trichy**, April 27-28, **2018**, pp.137-142

## National Conferences

1. K.Varshini, S.Sudendar, Arjun kumaran, S.Abithashree, P.Barathipriya, **M.Marimuthu**,  
**“Analysing Lifetime of Components using Gamma Distribution”**, National Conference  
On Machine Learning & Artificial Intelligence, August 27th & 28<sup>th</sup> **2018** in **Collaboration with  
IIM Bangalore** at Coimbatore Institute of Technology, Coimbatore.
2. G. Subitcha, **M. Marimuthu** **“A Survey on Image Encryption and Decryption Techniques”**,  
National Conference on "Innovations And Emerging Technologies For Future Smart Cities-  
(NCIETFSC'17)" during April 6<sup>th</sup> - 7<sup>th</sup>, **2017** at Coimbatore Institute of Technology, Coimbatore.