

**Dr.Mahalingam College of Engineering and Technology, Pollachi-642 003****Department of Information Technology****Books Published**

- 1) S.Ramakrishnan, "Lightweight Cryptographic Techniques and Cybersecurity Approaches", (ISBN 978-1-80355-732-8), InTech Open Publisher, United Kingdom, October 2022.
- 2) A.B.Arockia Christopher, M.Balakrishnan., "Analysis of Data Driven Modelling in Ecosystem Services", ISBN: 978-620- 4-19997-9, Lambert Publishing, August 2021.
- 3) S. Ramakrishnan., "Image Recognition: Progress, Trends and Challenges", (ISBN 978-1-53617-258-4), Nova Science publishers, USA, April 2020.
- 4) M.Balakrishnan, A.B.Arockia Christopher, "User Navigation Pattern Analysis using Neuro-Fuzzy", (ISBN 978-620-0-54093-5), Lap Lambert Publisher, January 2020.
- 5) S. Ramakrishnan., "Visual Object Tracking with Deep Neural Networks", (ISBN 978-1-78985-157-1), Intech Open Publisher, United Kingdom, December 2019.
- 6) Ramakrishnan S., "Digital Image and Video Watermarking and Steganography", (DOI: 10.5772/intechopen.84984), Intech Open Publisher, United Kingdom, September 2019.
- 7) Ramakrishnan S., "Cryptographic and Information Security Approaches for Images and Videos" (ISBN 9781138563841), CRC Press, Taylor & Francis Group, USA, January 2019.
- 8) M.Balakrishnan, A.B.Arockia Christopher," Web Service Component using E-Learning", (ISBN: 978-613-9-44441-0), Pages: 53, Lambert Publishing, Germany, January 2019.
- 9) M.Balakrishnan, A.B.Arockia Christopher "Online tutoring using Web Services", ISBN 978-620-2-05839-1, 65 Pages, Lambert Publishing, Germany, October 2017.
- 10) A.B.Arockia Christopher, M.Balakrishnan, A.P.Janani, "Data Mining: Case Study based Aircraft accident Analysis using different Classifiers", ISBN 978-3-659-12307-8, 112 Pages, Lambert Publishing, Germany, October 2017.
- 11) Ramakrishnan S., "Modern Fuzzy Control Systems and Its Applications", (DOI: 10.5772/65834, ISBN 978-953-51-3390-2, Print ISBN 978-953-51-3389-6), 464 Pages, InTech Publisher, Croatia, August 2017.
- 12) S.Ramakrishnan, "Pattern Recognition - Analysis and Applications", InTech Publisher,Croatia,ISBN 978-953-51-2804-5, Print ISBN 978-953-51-2803-8, 134 pages, DOI: 10.5772/62619, Dec 2016.

- 13) S.Ramakrishnan,” Face Recognition - Semi supervised Classification, Subspace Projection and Evaluation Methods”, InTech Publishers,Croatia, ISBN 978-953-51-2422-1, Print ISBN 978-953-51-2421-4, 100 pages, July, 2016.
- 14) IbrahimM.M.ElEmary and S.Ramakrishnan, “Wireless Sensor Networks: From Theory to Applications (ISBN 9781466518100)”, CRC Press, Taylor & Francis Group, USA, August 2013.
- 15) Ajith Abraham, Sabu M. Thampi, Sankar Pal, Emilio Corchado, Vaclav Snasel, Siby Abraham, S.Ramakrishnan, Proceedings of 2nd IEEE World Congress on Information and Communication Technologies (WICT 2012) jointly organized by MIR Labs-USA and IITM-K, Trivandrum held during October 30- November 02, 2012, Trivandrum, India.(IEEE Catalog Number: CFP1268R-CDR, ISBN: 978-1-4673-4804-1, Print ISBN: 978-1-4673-4806-5, DOI: 10.1109/WICT.2012.6409039).
- 16) S.Ramakrishnan, “Modern Speech Recognition Approaches with Case Studies, (ISBN 978-953-51-0831-3)”, InTech Publisher, Croatia, November 2012.
- 17) S.Ramakrishnan and IbrahimM.M.ElEmary. “Computational Techniques and Algorithms for Image Processing (ISBN: 978-3-8433-5802-6) & (ISBN: 3843358028)”, Lambert Academic Publishing, Germany, October 2010.
- 18) S.Ramakrishnan, “Speech Enhancement, Modeling and Recognition- Algorithms and Applications (ISBN 978-953-51-0291-5) (DOI: 10.5772/2391)”, InTech Publisher, Croatia, March 2012.

### **Books Chapters Published**

- 1) Selvanayaki Palanisamy, Muthanantha Murugavel A. S., Sathiyamurthi Pattusamy, Deepa S, “Machine Learning-Based Monitoring Devices for Pregnant Women”, Technological Tools for Predicting Pregnancy Complications, Publisher:IGI-Global , [DOI: 10.4018/979-8-3693-1718-1](https://doi.org/10.4018/979-8-3693-1718-1), ISBN13: 9798369317181, September, 2023.
- 2) Sumathi Natarajan, A. S. Muthanantha Murugavel, Selvanayaki Palanisamy, S. Deepa, “Complications in Pregnant Women”, Predicting Pregnancy Complications Through Artificial IntelligenceandMachineLearning,Publisher:IGI-Global,<https://www.igi-global.com/book/predicting-pregnancy-complications-through-artificial/31697>,ISBN13: 9781668489741,PP: 245-259, September, 2023

- 3) M.Prakash and Saranya K,'VANET Authentication with Privacy-Preserving Schemes- A Survey', Part of Lecture Notes in Electrical Engineering book series, Proceedings of Fourth International Conference on Communication, Computing and Electronics Systems-Springer, DOI:[https://doi.org/10.1007/978-981-19-7753-4\\_36](https://doi.org/10.1007/978-981-19-7753-4_36), ISBN:978-981-19-7752-7,pp.465-480, March 2023.
- 4) K. Renuka Devi , S Suganyadevi and K. Balasamy,' Healthcare Data Analysis Using Deep Learning Paradigm', de Gruyter, DOI:<http://doi/10.1515/9783110750584-008>, ISBN: 9783110750508 , pp.129-148, January 2023.
- 5) Ramprasath J, Ramakrishnan S, Tharani V, Arunima D and Sushmitha R, 'Cloud Service Anomaly Traffic Detection Using Random Forest', Advances in Data and Information Sciences, Lecture Notes in Networks and Systems-Springer, DOI: [https://doi.org/10.1007/978-981-19-5292-0\\_41](https://doi.org/10.1007/978-981-19-5292-0_41) ,ISBN 978-981-19-5291-3, pp. 269-279, November 2022.
- 6) Ponni alias Sathya S, Ramakrishnan S, S.Naraayani N, Sarnika K and Akshaya P, 'Digital watermarking for medical authenticity', Advances in Data and Information Sciences, Lecture Notes in Networks and Systems -Springer, DOI: [https://doi.org/10.1007/978-981-19-5292-0\\_41](https://doi.org/10.1007/978-981-19-5292-0_41) ,ISBN 978-981-19-5291-3, pp. 95-107, November 2022.
- 7) Janani D, Vijaykumar V R, Ramakrishnan S, Akil Akthar S, Sudharsan.S and Sangameshwaran S, 'Expert system for diagnosis of chronic kidney disease prediction using fuzzy logic with feature selection', Advances in Data and Information Sciences, Lecture Notes in Networks and Systems -Springer, DOI: [https://doi.org/10.1007/978-981-19-5292-0\\_41](https://doi.org/10.1007/978-981-19-5292-0_41) ,ISBN 978-981-19-5291-3, pp. 445-455, November 2022.
- 8) N.Praveen Sundra kumar, Deepa R, Nikhil GS and Vikram R, 'Improving Security in Cloud Data Using Paillier Homomorphic Encryption System', Advances in Data and Information Sciences, Lecture Notes in Networks and Systems -Springer, DOI: [https://doi.org/10.1007/978-981-19-5292-0\\_41](https://doi.org/10.1007/978-981-19-5292-0_41) , ISBN 978-981-19-5291-3, pp. 80-90, November 2022.
- 9) K. Renuka Devi, "Preserving the Healthcare Data by Using PPDM Technique", Handbook of Research on Complexities, Management, and Governance in Healthcare, IGI Global, ISBN: 9781668460443, November 2022.
- 10) Devaraju Sellappan, Ramakrishnan Srinivasan, Jawahar Sundaram, Dheresh Soni, and Somasundaram Alagappan., "Entropy based Feature Selection for Network Intrusion Detection

- system”, Methods, Implementation, and Application of Cyber Security Intelligence and Analytics, **IGI Global**, ISBN: 9781668439913, June 2022.
- 11) K. Renuka Devi and K. Balasamy, “Securing Clinical Information Through Multimedia Watermarking Techniques”, Mathematical Modeling for Smart Healthcare Systems, **IGI Global**, ISBN: 9781668445808, June 2022.
  - 12) Ponni Alias Sathya S, Ramakrishnan S and Sathiyamurthi P, “Artificial Bee Colony Optimization technique based video copyright protection in DWT-PCA domain”, Artificial Intelligence and Machine Learning Techniques in Image Processing and Computer Vision, CRC Press, Taylor & Francis Group, USA, 2021.
  - 13) S.Devaraju and S.Ramakrishnan.,” Fuzzy Rule-Based Layered Classifier and Entropy-Based Feature Selection for Intrusion Detection System”, Handbook of Research on Cyber Crime and Information Privacy, pp. 289-309, Pages:20,ISBN: 9781799857280, August 2020
  - 14) Balasamy K, M. Balakrishnan and Arockia Christopher, “A Genetic Algorithm Based Medical Image Watermarking for Improving Robustness and Fidelity in Wavelet Domain”, Intelligent Data Engineering and Analytics, Springer, pp 289-299, Pages:20, Online ISBN: 978-981-15-5679-1 , August 2020
  - 15) S. Nithya and S.Ramakrishnan., “Performance Analysis of Local Binary Patterns for Image Texture Classification Methods”, Image Recognition: Progress, Trends and Challenges, Nova Science Publishers, pp.89-106, Pages:17, ISBN: 978-1-53617-258-4, April 2020
  - 16) A. S. Muthanantha Murugavel and S. Ramakrishnan, “Review of Feature Extraction and Classification Techniques for Epileptic Seizure Detection”, Image Recognition: Progress, Trends and Challenges, Nova Science Publishers, pp.199-226, Pages:27, ISBN: 978-1-53617-258-4, April 2020
  - 17) Arunkumar C, and Ramakrishnan S., “Disease Inference on Medical Datasets Using Machine Learning and Deep Learning Algorithms”, Computational Vision and Bio-Inspired Computing, Springer, DOI: 10.1007/978-3-030-37218-7\_96, pp.902-908, Pages: 6, ISBN: 978-3-030-37218-7, January 2020.

- 18) Ponni@sathya, "Hierarchical Clustering Based Medical Video Watermarking Using DWT and SVD", *Emerging Trends in Computing and Expert Technology*, Springer, DOI: /10.1007/978-3-030-32150-5, pp.792-805, Pages: 13, ISBN 978-3-030-32149-9, November 2019.
- 19) Ramakrishnan S, Devaraju S, "Association Rule-Mining based Intrusion Detection System with Entropy Based Feature Selection: Intrusion Detection System (Chapter 1)", *Handbook of Research on Intelligent Data Processing and Information Security Systems*, IGI Global, DOI: 10.4018/978-1-7998-1290-6, pp.1-24, Pages: 24, ISBN13: 9781799812906, November 2019.
- 20) Ramakrishnan S, Gopalakrishnan T, "Performance Analysis of Image Encryption Methods Using Chaotic, Multiple Chaotic and Hyper-Chaotic Maps (Chapter 10)", *Handbook of Multimedia Information Security: Techniques and Applications*, Springer, DOI: 10.1007/978-3-030-15887-3, pp. 233-265, Pages: 32, ISBN: 978-3-030-15886-6, July 2019.
- 21) R.Menaha, "A Survey on Acronym–Expansion Mining Approaches from Text and Web", *International Journal of smart innovation systems technologies (Book chapter)- Springer*, Pages:121-133, October 2018.
- 22) C.Arunkumar, S.Ramakrishnan, "Performance Analysis of Classifiers on Filter-Based Feature Selection Approaches on Microarray Data(Chapter 2), "Bio-Inspired Computing for Information Retrieval Applications", IGI Global book series, *Advances in Knowledge Acquisition, Transfer and Management (AKATM)*, DOI: 10.4018/978-1-5225-2375-8.ch002, pp.41-70, Pages: 30, February 2017.
- 23) S.Ramakrishnan, "Recognition of Emotion from Speech: A Review (Chapter 7), "Speech Enhancement, Modeling and Recognition- Algorithms and Applications", (ISBN: 978-953-0291-5) (DOI: 10.5772/2391), InTech Publisher, Croatia, pp. 121-138, March 2012.