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## List of Publications

### Books

1. Balasubramanian, C., Geetha, S., *VANET: Routing Protocols and Applications*. United States - Lap Lambert Academic Publishing, 2020. (ISBN No. 978-620-0-49717-8)
2. Geetha, S., and Asnath Vicky Phamila. " Countering Cyber Attacks and Preserving the Integrity and Availability of Critical Systems." IGI Global, 2019. 1-300. Web. Feb 2019. doi: 10.4018/978-1-5225-8241-0. (ISBN: 9781522582410)
3. S.Justus, V.Hepsiba Mabel, S.Geetha. *Knowledge based Software Process Improvement*. United States - Lap Lambert Academic Publishing, 2016. (ISBN No. 978-3-659-97717-6)

### Book Chapters

1. Balasubramanian C., Hemalatha J., Geetha S., "A comparative note on recent advances of signal/image processing techniques in healthcare", *Advances in Telemedicine for Health Monitoring – Technologies, Design and Applications*, IET The Institution of Engineering & Technology, Edited by Tarik A. Rashid, Chinmay Chakraborty and Kym Fraser, London, United Kingdom, Pp. 55-76,

- Feb. 2019. doi: 10.4018/978-1-5225-8241-0.ch016. (ISBN: 978-1-78561-986-1 (hardback); ISBN 978-1-78561-987-8 (PDF)).
2. P.Punithavathi, S.Geetha, "Digital Healthcare Security Issues", Countering Cyber Attacks and Preserving the Integrity and Availability of Critical Systems, IGI Global, Pennsylvania, USA. , pp. 290-306, Feb. 2019. doi: 10.4018/978-1-5225-8241-0.ch016. (ISBN: 9781522582410).
  3. J Hemalatha, MK Kavitha Devi, S Geetha, "Performance Analysis of Image Denoising with Curvelet Transform in Detecting the Stego Noise", Innovations in Computer Science and Engineering, Springer, Singapore, pp. 445 – 453, 2019. [https://doi.org/10.1007/978-981-10-8201-6\\_50](https://doi.org/10.1007/978-981-10-8201-6_50).
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  5. J Hemalatha, MK KavithaDevi, S Geetha, "A Recent Study on High Dimensional Features Used in Stego Image Anomaly Detection", Applications of Security, Mobile, Analytic, and Cloud (SMAC) Technologies for Effective Information Processing and Management, IGI Global, Pennsylvania, USA. , 2018. pp . 49-66, doi: 10.4018/978-1-5225-4044-1.ch003. (ISBN: 9781522540441).
  6. P.Punithavathi, S.Geetha, "Visual Cryptography for Securing Images in Cloud", Combating Security Breaches and Criminal Activity in the Digital Sphere, IGI Global, Pennsylvania, USA. , Mar. 2016. doi:10.4018/978-1-5225-0193-0. (ISBN: 9781522501930).
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## **International Journals**

1. S.Geetha, C.S.Akshayanat, C.S.Abhishek, "Machine Vision based Fire Detection Techniques : A Sruvey" , Springer -- Fire Technology, pp. 1-42, 2020, Accepted for Publication. **(SCI – Impact Factor : 1.671)**
2. S.Abijah Roseline, S.Geetha, Seifedine Kadry, Yunyoung Nam, "Intelligent Vision-based Malware Detection and Classification using Deep Random Forest Paradigm", IEEE Access, pp. 1-20, 2020, Accepted for Publication, DOI 10.1109/ACCESS.2020.3036491. **(SCI – Impact Factor : 3.745)**
3. Malathy Jawahar, N.K.CHandra Babu, K.Vani, L. Jani Anbarasi, S.Geetha, "Vision based Inspection System for Leather Surface Defect Detection using Fast COnvergence Particle Swarm Optimization ensemble Classifier Approach", Springer – Multimedia Tools and Applications, pp. 1-22, 2020, Print ISSN: 1380-7501, Electronic ISSN: 1380-7501. DOI: 10.1007/s11042-020-09727-3 (Impact factor – 2.313)
4. Rajesh Kumar, S.Geetha, "Malware Classification using XGBoost-Gradient Boosted Decision Tree", Advancese in Science, Technology and Engineering Systems Journal, Vol. 5, No. 5, pp. 536-549, September 2020.
5. Asnath Victy Phamila, Raunak Gopal, S.Geetha, "Dynamic Gesture Recognition System to Control Media", International Journal of Engineering and Advanced Technology (IJEAT), Vol. 9, No. 5, pp. 572 – 575s, May 2020. ISSN : 2249-8958. **(Scopus Indexed)**
6. Geetha R and Geetha S, "Multi-Layered "Plus-Minus one" Reversible Data Embedding Scheme", Journal of Information Hiding and Multimedia Signal Processing, Vol. 11, No. 2, pp. 58-69, June 2020. ISSN 2073-4212. **(Scopus Indexed)**
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Electronic ISSN: 1573-7721. DOI: 10.1007/s11042-019-08484-2 **(Impact factor – 2.313)**

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10. C Bala Subramanian, J Hemalatha, S P Balakannan and S Geetha, “Improving Image Steganalyser Performance using Second Order SPAM Features Extracting through Contourlet Transform”, International Journal of Engineering and Advanced Technology (IJEAT), pp. 137-143, Vol. 9, No. IS4, ISSN: 2249 – 8958, Volume-9 Issue-1S4, December 2019. **(Scopus Indexed)**
11. Punithavathi P., Geetha S., “Cancelable Biometric Transformations for E-Passport Security”, International Journal of Engineering and Advanced Technology (IJEAT), Vol. 9, No. 1S3, pp. 342-346, December 2019. ISSN : 2249-8958 DOI: 10.35940/ijeat.A1064.1291S319. **(Scopus Indexed)**
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21. P.Punithavathi, S.Geetha, Marimuthu Karuppiyah, SK Hafizul Islam, Mohammad Mehedi Hassan, Kim-Kwang Raymond Choo, “A lightweight machine learning-based authentication framework for smart IoT devices”, Elsevier – Science Direct, Information Sciences, Vol. 484, No. 3, pp. 255-268, 2019. ISSN: 0020-0255. DOI : 10.1016/j.ins.2019.01.073 **(Impact factor – 4.305)**

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41. S.Hasan Hussain, S. Geetha, M. AmuthaPrabakar, "Listing Past, Current, and Upcoming Research in Ubiquitous Computing – A Review", **International Journal of Applied Engineering Research**, Vol. 10, No. 55, pp. 2142-2145, 2015. (Indexed in Scopus, Impact factor – 0.113)
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43. S.Sirin Seema, M.Maheswari, S.Selvakumar, S.Geetha, "Reckoning Trust in E-Commerce by Mining Product Reviews", **International Journal of Applied Engineering Research**, Vol. 10, No. 55, pp. 1875-1879, 2015. (Indexed in Scopus, Impact factor – 0.113)
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## International Conferences

1. S.Geetha, L.Jani Anbarasi, Benson Edwin Raj, Aayush Gupta, Aarya, "AR Learning Platform for Mentally Differently Abled Children", IEEE, Seventh International Conference on Information Technology Trends (ITT) 2020, organized by HCT-Abu Dhabi Women's campus, Abu Dhabi, UAE, November 25-26, 2020. (Accepted for Publications)
2. Vasudevan S., Chauhan N., Sarobin V., Geetha S. , "Image-Based Recommendation Engine Using VGG Model", In: Hura G., Singh A., Siong Hoe L. (eds) Advances in Communication and Computational Technology. Lecture Notes in Electrical Engineering, vol 668, pp. 257-265, 2021. Springer, Singapore. [https://doi.org/10.1007/978-981-15-5341-7\\_21](https://doi.org/10.1007/978-981-15-5341-7_21)
3. Latha R., Vetrivelan P., Geetha S., "Telemedicine Setup using Wireless Body Area Network over Cloud", in Elsevier Procedia, International Conference on Recent Trends in Advanced Computing 2019 – ICRTAC '19, Vol. 165, pp. 285-291, 2019. (DOI : <https://doi.org/10.1016/j.procs.2020.01.074> )
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5. P.Punithavathi, S.Geetha, "Disruptive smart mobile pedagogies for engineering education", in Science Direct Procedia Computer Science, 9<sup>th</sup> World Engineering Education Forum, Vol. 172, pp. 784-790, 2020. (DOI : <https://doi.org/10.1016/j.procs.2020.05.112>)
6. S. Abijah Roseline, A. D. Sasisri, S. Geetha, and C. Balasubramanian, "Towards Efficient Malware Detection and Classification using Multilayered Random Forest Ensemble Technique", in The IEEE 53<sup>rd</sup> International Carnahan Conference on

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9. R. Geetha and S. Geetha, "Multi-Layered 'Odd-Even' Reversible Data Hiding", in The 2nd World Summit on Advances in Science, Engineering and Technology (Indiana Summit 2019), Organised by Indiana University Purdue University, Indiana, USA, October 2-5, 2019.
10. P. Punithavathi and S. Geetha, "Gaussian Random Projection based Linear Discriminant Analysis for Cancelable Biometric Recognition", in The 2nd World Summit on Advances in Science, Engineering and Technology (Indiana Summit 2019), Organised by Indiana University Purdue University, Indiana, USA, October 2-5, 2019.
11. Vaishnavi Nath Dornadula, S. Geetha, "Credit Card Fraud Detection using Machine Learning Algorithms", in Proceedings of the 2<sup>nd</sup> International Conference on Recent Trends in Advanced Computing, ICRTAC-CPS 2019, Elsevier Procedia, Vol. 165, pp. 631-641, organized by VIT, Chennai Campus, India, 11-12, November 2019.
12. Rajesh Kumar, Geetha S., "Malware Detection Modeling System", in Proceedings of the 1<sup>st</sup> IEEE International Conference on Recent Trends in Advanced Computing, ICRTAC-CPS 2018, organized by VIT, Chennai Campus, India, 10-11, September 2018.
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21. S.Geetha, Tutorial on Image content protection in cloud through reversible data hiding: Theory and Implementation, **4<sup>th</sup> IEEE International Conference on**

**Advances in Computing, Communications and Informatics ICACCI -2015**, Cochi, Kerala, 10-13 August 2015. (Accepted for Publication)

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23. S.Sirin Seema, M.Maheswari, S.Selvakumar, S.Geetha, "Reckoning Trust in E-Commerce by Mining Product Reviews", in Proceedings of **International Conference on Advances in Applied Engineering and Technology ICAAET- 2015**, organised by Syed Ammal Engineering College, Ramanathapuram, India, May 14-16, 2015.
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