

Name: **Dr. VINOD KUMAR. R.S**

Professor ,

Faculty of Electronics & Communication Engineering,

Noorul Islam Centre for Higher Education, Kumaracoil,

Phone Number :+919489823500

E-mail ID : rsvinodkumar69@yahoo.co.in

Pincode : 629180

RESEARCH PUBLICATIONS

1. Reshma V. K., **Vinod Kumar R. S.**, Shahi D., Shyjith M B, "Chicken-Moth Search Optimization-Based Deep Convolutional Neural Network for Image Steganography" Scalable Computing: Practice and Experience, ISSN 1895-1767, Vol 21, Issue 2, pp. 217–232, DOI 10.12694:/scpe.v21i2.1664 (SCOPUS)
2. Reshma, V. K., **Vinod Kumar, R. S.**, Shahi, D., Shyjith M.B, "Optimized Support Vector Neural Network and Contourlet Transform for Image Steganography" Evolutionary Intelligence (2020), Springer Link Search: <https://doi.org/10.1007/s12065-020-00387-8> (SCOPUS)
3. Reshma V. K., **Vinod Kumar R. S.**, "Pixel Prediction-Based Image Steganography by Support Vector Neural Network", The Computer Journal:Oxford University Press, doi: 10.1093/comjnl/bxaa017 (Science Citation Index) Published Online.
4. Kuruvilla John, **Vinod Kumar. R. S.**, Kumar S. S., "Low Power Pulsed Flip-Flop with Clock Gating and Conditional Pulse Enhancement", International Journal of Automation and Control. (Accepted). (SCIE)
5. Shanila N., **Vinod Kumar. R. S.**, Ramya Ravi. R., "Segmentation of Liver Computed Tomography Images using Dictionary based Snakes",

International Journal of Biomedical Engineering and Technology (Accepted). (SCIE).

6. Shanila N., **Vinod Kumar. R. S.**, Ramya Ravi. R., ‘Performance Analysis of Preprocessing Filters Using CT Images for Liver Lesion Diagnosis, International Journal of Biomedical Engineering and Technology (Accepted). (SCIE).
7. Shanila N., and **Vinod Kumar. R. S.**, “Performance Evaluation of Various Active Contour Models for Liver Boundary Detection in Abdomen Computed Tomography Images”, Journal of Critical Reviews. Vol 7, Issue 3, pp. 143-147, 2020, DOI: [10.31838/jcr.07.03.27](https://doi.org/10.31838/jcr.07.03.27) (SCOPUS).
8. Shanila N., **Vinod Kumar. R. S.**, and Abin. N. A., “Feature Extraction and Performance Evaluation of Classification algorithms for Liver Tumor Diagnosis of Abdominal Computed Tomography Images”, Journal of Advanced Research in Dynamical and Control System, Vol. 12, Issue 3, pp. 82-90, DOI: [10.5373/JARDCS/V12I3/20201169](https://doi.org/10.5373/JARDCS/V12I3/20201169) (SCOPUS)
9. Shahi.D., and **Vinod Kumar. R. S** “Reversible Steganography for RGB Images Using Image Interpolation”, Journal of Advanced Research in Dynamical and Control System Vol. 12, issue 3, pp. 41-49, DOI: [10.5373/JARDCS/V12I3/20201165](https://doi.org/10.5373/JARDCS/V12I3/20201165) (SCOPUS)
10. Shanila N., **Vinod Kumar. R. S.**, and Ramya Ravi. R., ‘A survey on Methodology based Medical Image segmentation Techniques and their Applications, Journal of Advanced Research in Dynamical and Control System, Vol. 11, 09- Special Issue, pp. 612-622, 2019. (SCOPUS)- DOI: [10.5373/JARDCS/V11/20192613](https://doi.org/10.5373/JARDCS/V11/20192613).
11. Kuruvilla John, **Vinod Kumar. R. S.**, Kumar S. S., ‘Design of Conditional Pulse Enhancement Flip-Flop Embedded with Clock Gating and Signal Feed-through Mechanism’, Journal of Engineering Science and Technology, Vol. 14, No. 4, pp. 2000-2012, August 2019. (SCOPUS)

12. Kuruvilla John, **Vinod Kumar. R. S.**, Kumar S. S., ‘Effect of Clock Gating in Conditional Pulse Enhancement Flip-Flop for Low Power Applications’, Indonesian Journal of Electrical Engineering and Informatics, Vol. 7, No. 2, pp. 357-365, June 2019 (SCOPUS)- DOI: 10.11591/ijeei.v7i2.1041.
13. Kuruvilla John, **Vinod Kumar. R. S.**, Kumar S. ‘ A Novel Design of Synchronous Counter for Low Power and High Speed Applications’, International Journal of Engineering and Advanced Technology, Vol. 8, No. 4, pp. 779-783, April 2019. (SCOPUS)
14. Ramya Ravi, R., **Vinod Kumar. R. S.**, N. Shanila, “Segmentation of Melanoma using Triclass Thresholding in Dermoscopic Images”, Journal of Advanced Research in Dynamical and Control System, Vol. 11, 06-Special issue, 2019, pp. 1603-1609, Aug. 2019 (SCOPUS)
15. Ramya Ravi. R., **Vinod Kumar. R. S.**, and Shanila N., ‘Artifacts Removal in Melanoma Using Various Pre-processing Filters’, International Journal of Engineering & Technology (UAE). Vol. 7, No. 3.27, pp. 104-107, 2018. (SCOPUS)- DOI:10.14419/ijet.v7i3.27.17664.
16. Kuruvilla John, **Vinod Kumar. R. S.** & Kumar. S.S, ‘Design of Low Power and High Speed Implicit Pulse Flip-Flop and its Application’, International Journal of Engineering and Technology. Vol. 7, No. 3, pp. 1893-1898, 2018. (SCOPUS) - DOI: 10.14419/ijet.v7i3.1 2845
17. Kuruvilla John, **Vinod Kumar. R. S.** & Kumar. S.S., ‘Impact of Pulse-Triggered Flip-Flops in Low Power Applications’, Journal of Advanced Research in Dynamical & Control Systems, Vol. 10, No. 01, pp. 298-306, May 2018. (SCOPUS) -
18. **Vinod Kumar. R. S.**, & S. Arivazhagan, ‘Adaptive Patch Based Texture Synthesis Using Contourlet Transform’, Journal of Intelligent and Fuzzy Systems. Vol. 28, No.3, pp.1061 - 1070, May 2015. (SCI) - DOI: 10.1109/TIP.2005.859376

