Dr. R. Vani

Professor,
Department of Electronics & Communication Engineering
SRM Institute of Science & Technology,
Bharathi Salai, Ramapuram,
Chennai – 600 089.

Area of Specialization : Image/Video Processing, Pattern recognition, Deep Learning
Mobile Number   : 94447 57461
E-Mail ID   : vanir@srmist.edu.in

PUBLICATIONS:

RS Rajagopal, Sushaptha, **R. Vani**, J. C. Kavitha Lifetime Improvement of Wireless Sensor Networks Using Tree Based Routing Protocol EAI Big Data Innovation for Sustainable Cognitive Computing, 51 – 61, 2020.

G. Saranyadevi, **R. Vani** , V.N. Bhargavee Waste Disposal Management System for Smart City Using LoRa Jour of Adv Research in Dynamical & Control Systems, 12 (3), 1360-1364, 2020.

R. Vani , Vinod Kumar Udutha, Sai Krishna Prasad Kammili, Pavan Sai Dual Axis Writing Controlled Robot for Physically Handicapped People International Journal of Advance Science and Technology 29 (10s), 7515-7519, 2020.

R. Vani, D.Subitha, J.M.Mathana, J.S.Leena Jasmine Modified Conjugate Gradient algorithms for Gram matrix Inversion of Massive MIMI downlink Linear Precoding International Journal of Recent Technology and Engineering 8 (2S11), 2834 – 2840, 2019.

U Nageswaran, S Marikkannan, **R. Vani**, Fast Motion Estimation Algorithm using Hybrid Search Patterns for Video Streaming Application International Journal of Computers Communications & Control 12 (5), 715-727, 2017.

SN N. Thendral, **R. Vani** , S. Kruthikaa , S.M. Gomathi Design of Low Power Dissipation of Pacemaker based on Duty Cycle Generation using Boost Converter of Fixed Pulse Width International Journal of Innovative Research in Computer and Communication Engineering, 2017.

V Rajamanickam, S Marikkannan, **R. Vani**, Efficient block-based motion estimation architecture using particle swarm optimization Int. Arab J. Inf. Technol. 13 (6A), 732-739, 2016.

R. Vani, M Sangeetha, A New Hybrid Search Algorithm with Novel Cross-Diagonal-Hexagon Search Video Coding Algorithm for Block Motion Estimation Wireless Personal Communications 88 (2), 211-222, 2016.

R. Vani, M SANGEETHA, P DAVIS CHDS: A Fast Search Algorithm For Motion Estimation In Video Coding Standards Journal of Theoretical & Applied Information Technology 65 (3), 2014.

R. Vani, P Davis, M Sangeetha, Modified Cross Hexagon Diamond Search Algorithm for Fast Block Matching Motion Estimation International Journal of Engineering and Technology (IJET) 20, 2014.