K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE – 637 215

(An Autonomous Institution, Affiliated to Anna University, Chennai)

Department of Electronics and Communication Engineering

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JOURNAL PUBLICATIONS

S. No.	Name of the Author(s)	Title of the paper	Name of the Journal	SCI Scopus	Volume/ Issue No	DOIs	Page No.	Year of Publication
1.	**Dr. C. Gowri Shankar** C. Arun Prasath	Low-Power Design and Estimation of VLSI CMOS Architectures Using approximate Arithmetic for Digital Filter Applications	Circuits, Systems, and Signal Processing	SCI	online	DOI: 10.1007/ s00034-025-03371-8	-	2025
2.	**Mr.R.Veeramani Dr.P.S.Periasamy** Dr.P.Anitha	Advanced Parasitic Microstrip Antenna Design for IoT and 5G Networks Using Attention-Enhanced Graph Convolutional Model	International Journal of Communication Systems	SCI	38/13	10.1002/ dac.70192	70192	2025

CONFERENCE DETAILS:

S. No.	Name of the Author(s)	Title of the paper	Name of the Conference	Publisher	Year of Publication
1.	**Dr.C.Gowri Shankar** **Mrs.D.Gowthami**	ShuffleNet -AMC for Brian Growth and Pediatric Cancer Detection	International Conference on Smart Structure and Systems	Publisher IEEE Xplore	2025
2.	**Dr.R. Poornima,** **Dr.S. Jayachitra,** A.Ajay , S. Dhivakar , U.Indra Kumar, S P Jayasakthi	Enhancing Energy Efficiency and Data Rate in MIMO-NOMA Systems Based on Communication Deep Neural Networks for 6G Communications	International Conference on Research and Development in Information, Communication, and Computing Technologies (ICRDICCT'25 2025)	Science and Technology Publication	2025
3.	**Dr.S.Premalatha ,** **Dr.S.Jayachitra,** **Ms.B.Latha**, M..Santhosh ,M..Geethambari, Hari Arulkumar	Enhanced Attention-Based ResNet for Driver Distraction Detection	International Conference on Research and Development in Information, Communication, and Computing Technologies (ICRDICCT'25 2025)	Science and Technology Publication	2025
4.	**Mr.R. Ravichandran,** **Dr.S. Jayachitra,** **Mr.M. Udhayakumar,** Mr.S. Manoj Kumar, Mr.N. M. Yasod , Mr.S. Kavin	Design and Analysis of High Performance FPGA Based Convolutional Neural Network Accelerator for Abnormal Heart Beat Detection	International Conference on Research and Development in Information, Communication, and Computing Technologies (ICRDICCT'25 2025)	Science and Technology Publication	2025
5.	**Ms.B. Latha ,** **Mrs.M. Dharani ,** **Mr.R. Ravichandran ,** L. Meganathan , S. Pooja S. Sasi Rekha	Improved Accuracy in Depression Detection Using EEG Signals with CNN and LSTM Algorithms in Comparison to the CNN Algorithm	International Conference on Research and Development in Information, Communication, and Computing Technologies (ICRDICCT'25 2025)	Science and Technology Publication	2025

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6.	**Mr.R. Ravichandran, Dr.S. Jayachitra, Mr.M. Udhayakumar,** S. Manoj Kumar, N. M. Yasod S. Kavin	Design and Analysis of High Performance FPGA Based Convolutional Neural Network Accelerator for Abnormal Heart Beat Detection	International Conference on Research and Development in Information, Communication, and Computing Technologies (ICRDICCT'25 2025)	Science and Technology Publication	2025
7.	**Mr.B. Vinothkumar , Ms.B. Latha , Mr.R. Ravichandran ,** P. Harishraam , M. Kiranraj V. Rajkumar	Novel Approach to Oryza Sativa Leaf Disease Detection Using an Xception-Based Convolutional Neural Network Architecture	International Conference on Research and Development in Information, Communication, and Computing Technologies (ICRDICCT'25 2025)	Science and Technology Publication	2025
8.	**Mr.R. Ravichandran, Mrs.M. Jeyabharathi, Mrs.M. Dharani,** N. Loganathan, T. Gowtham V. Dhanush	Revolutionizing Speed Detection for Safer Roads	International Conference on Research and Development in Information, Communication, and Computing Technologies (ICRDICCT'25 2025)	Science and Technology Publication	2025
9.	**Mr.R. Ravichandran, Ms.B. Latha, Mr.B. Vinothkumar,** K. Arunkarthik, N G. Gopisankar A. Yuvarajan	Fast and High Precision Human Fall Prevention and Intimation Using Haptic Technology	International Conference on Research and Development in Information, Communication, and Computing Technologies (ICRDICCT'25 2025)	Science and Technology Publication	2025
10.	**Mr.M.Udhayakumar, Dr.P.Govindaraju, Mr.R.Ravichandran,** V.Arun, S.Dhachinamoorthi. G.Kamlesh Kannan .	AI-Driven Traffic Sign Recognition and Speed Control for Autonomous Vehicle	International Conference on Research and Development in Information, Communication, and Computing Technologies (ICRDICCT'25 2025)	Science and Technology Publication	2025