**K. S. School Of Engineering and Management**

**Department of Electronics and Communication Engineering**

 **National Conference Publications Done by Faculty**

**Year: 2020**

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| **Sl. No.** | **Title Of The Paper** |
| **1** | **Mr. Puneeth R**, “Design and Implementation of Smart Glove for Stroke Rehabilitation”, IETE sponsored 3rd National Conference on Emerging Trends in Engineering, Science & Technology, NCETEST-2020, Dept. of ECE, RNSIT. |
| **2** | **Mr. Ravikiran B A**, “Raspberry Pi Based assistance System for the Visually Impaired”, IETE sponsored 3rd National Conference on Emerging Trends in Engineering, Science & Technology, NCETEST-2020, Dept. of ECE, RNSIT. |

**Year: 2016**

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| **Sl.No** | **Title Of The Paper** |
|  | **P.Karthik** “Design and Implementation of Adaptive Gaussian Filters for the Removal of Salt and Pepper Noise on FPGA”, National Conference on Communication, VLSI Signal Processing (NCCVS-2016), K.S.School of Engineering & Management, pg no.15-20, 2016. |
|  | **Shalini Shravan,** Gunasheela T J, “Design and Implementation Of Safety Warning For Car driving using ARM7”, at National Conference On Recent Trends In Electronics and Communication-2016 (NCRTEC-2016), Global Academy Of Technology ,Bangalore, 5th May 2016. |
|  | **Shanthala G M**, “Implementation of wireless hand gesture control mobile robot using raspberry -pi”, National Conference on Advanced Communications, VLSI design and Signal Processing (NCCVS-16), 2016 |
|  | **Renuka.V.Tali,** Sindhu.I.M, “Implementation of Smart Health System for Monitoring Vital Signs in Chronic Heart Failure Patients Using GSM Technology”, National Conference on Advanced Communications, VLSI design and Signal Processing (NCCVS-16), 2016 |
|  | **Mr. Gopala Krishna Murthy.C.R** , “Image Steganography using Fusion Based Advanced Encryption Algorithm and Embedding Techniques ”, National Conference on Advanced Communications, VLSI design and Signal Processing (NCCVS-16), 2016 |
|  | **Manu D K**, “Design and Analysis of Low-Power Arithmetic Logic Unit using GDI Technique ”, National Conference on Advanced Communications, VLSI design and Signal Processing (NCCVS-16), 2016 |
|  | **Mr.Gopal Krishna Murthy C R**, “Development and Implementation of Generic Control System for APETUsing FPGA”, National Conference on Advanced Communications, VLSI design and Signal Processing (NCCVS-16), 2016 |
|  | **Dr.Karthik.P**, “Implementation of Glove Controlled Ground Vehicle using Raspberry Pi for Military Applications”, National Conference on Advanced Communications, VLSI design and Signal Processing (NCCVS-16), 2016 |

**Year: 2015**

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| **Sl. No.** | **Title Of The Paper** |
|  | **Shalini Shravan, Gopal Krishna Murthy C R,** “An efficient 2D-5/3 Lift DWT based invisible watermarking technique”, NCCVS-2015. |
|  | **Ramanna Havinai, M N Giriprasad, Girish V Attimarad,** “A Survey on Challenges in Multipath Routing for Mobile Ad-Hoc Networks”, National Conference on Role of Innovative Engineering Solutions for Medical Sciences, ISBN: 978-93-5254-017-4, 2015. |
|  | **K N Hosur, Dariyappa, Shivan, Vijay Nagesha, Girish V Attimarad and Harish M Kittur,** “Design of 4 Bit Flash ADC Using TMCC and Mux Encoder in 90nm CMOS Technology”, National Conference on Role Of Innovative Engineering Solutions For Medical Sciences, Isbn:978-93-5254-017-4, 2015. |
|  | **Surekha Gondkar, Girish V Attimarad,** “Comparison of 2D DCT and 3D DCT in Image Compression”, National Conference on Role of Innovative Engineering Solutions for Medical Sciences, ISBN: 978-93-5254-017-4, 2015. |
|  | **Mallesh Shetty C, Tavade, Dr Girish V A,** “Algorithm to Find The Energy Efficient and Reliable Routes Considering Residual Energy in Wireless Ad-Hoc Networks”, National Conference on VLSI Communication and Signal Processing, Vol-3, 2015. |
|  | **Mallesh Shetty C, Tavade, Dr Girish V A,** “RMER Algorithm to Find the Reliable and Energy Efficient Routes in Wireless Ad-Hoc Networks”, National Conference NCGTC, 2015. |
|  | **Fathima Jabeen and P.S. Abdul Lateef**, “Smart Cell Network Design For Millimeter-Wave Mobile Broadband System”, NCCVS-2015. |
|  | **Fathima Jabeen and Akhilla M.S.S**. “A Review on Security Vulnerability for Smartphone to Vehicle Communication Over Wireless Communications”, NCCVS-2015. |
|  | **Raju,** **Manu. D. K**, “Comparative Study of Ber Vs Per in Mobile WIMAX Using MIMO Technique Under The MIMO Channel”. NCCVS-2015. |
|  | **Prashanth K and Shashikumar**, “Satellite Image Restoration using Periodic Plus Smooth Image Decomposition”, NCCVS-2015. |
|  | **Vishnu G, Karthik P and Fathima Jabeen** “VLSI Design and Implementation of Efficient Software Defined Radio Using Optimized Quadrature Direct DFS on FPGA”, NCCVS-2015. |
|  | **Shwetha P S, Manu D.K and Sanjay Nayak**, “A High Speed, Low Area Address Generation Circuitry of WIMAX De-interleaver With Different Modulation Methods using Xilinx on FPGA”, NCCVS-2015. |
|  | **Lavanya L**, **Shalini Shravan and Fathima Jabeen,** “FPGA Based Design and Implementation of Modified Viterbi Decoder For Phase Shift Keying of A Communication Channel”, NCCVS-2015. |
|  | **Shanmanth K.N**, **Gopalakrishnamurthy C. R and Vinay R**, “VLSI Implementation of Adaptive Noise Cancellation for Speech Signal Using LMS and RLS Algorithm on FPGA”, NCCVS-2015. |
|  | **Shashikumar D,** **Prakash Jadhav and Ravikiran B.A,** “VLSI Implementation Of An Efficient Adaptive Edge Enhanced Sobelised Image Scalar For Multimedia Applications On FPGA”, NCCVS-2015. |
|  | **Ramyashree B.H,** **Vidhya R and Manu D.K,** “Design and Implementation of Contrast Stretching Algorithm for Image Enhancement on FPGA”, NCCVS-2015. |
|  | **Olume S, Vidhya R, Gunasheela T** J,“ An Efficeint Video Object Detection Algorithm Suing System Generator on FPGA”, NCCVS-2015. |
|  | **Rashmi**, **Shanthala and Swathisarkar,** “Design and Implementation of High Performance Packet Classification using FPGA”, NCCVS-2015. |
|  | **Chaitra A, Shanthala,** “Design and Implementation of Automated Wave-Pipelined Circuits”, NCCVS-2015. |
|  | **Smitha T.K, Ravikiran B.A, Karthik P and Mondal T.K,** “Implementation of Control of Solid State Relay Switches Using MSP430 for Instantaneous High Current Supply” NCCVS-2015. |
|  | **Keerthikumar B M, Dr. Karthik P, Shwetha N A,** “Implementation of Visible Light Communication (VLC) for Vehicles” NCCVS-2015. |
|  | **Anuradha M. Rangreji, Dr. Fathima Jabeen, Manu D. K**, “Design and Implementation of Smart Helmet for two Wheelers Using Arm7”, NCCVS-2015. |
|  | **Chetan B, Sindhu I M, Renuka V Tali**, “Design and Implementation of Interactive Security System for ATMS”, NCCVS-2015.  |
|  | **Glenson Toney, Dr. Fathima Jabeen, Mr.Puneeth S,** “Design and Implementation of Safety Arm band for Women and Children Using ARM7”, NCCVS-2015. |
|  | **Karthik P N, Suresh K,** “Real Time Data Acquisition and Fault Injection System for Microcontroller Testing Environment using Ethernet”, NCCVS-2015. |
|  | **Latha B S, Vidya N A, Prakash Jadhav**, “Signal Processing for Failure Prediction of Sesma Wire”, NCCVS-2015. |
|  | **Shreeyutha R**, **Sanjay B. Nayak**, “Analysis of Low Power Glitch-Free NAND Based Digitally Controlled Delay Lines Using Stacking Technique”, NCCVS-2015. |

**Year-2014**

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|  | **Mahadevappa Nayak, Shanthala G M**, “Development of Fast Motion Estimation Algorithm Targeting High Resolution Videos and its FPGA Implementation”, NCCVS-2014. |
|  | **Fathima Jabeen, Vaishnav Ram, Karishma, Sindhu, Sudhir Rao,** “A Novel Video Processing Based Cost Effective Smart Trolley System for Supermarket using FPGA”, NCCVS-2014. |
|  | **Mallikarjun C.K,** **P.Karthik**, “Designing The Structure Of Novel Sensor for Acoustic Sound Waves by Varying the Physical Properties Involved in Different Layers”, NCCVS-2014. |
|  | **Mallikarjun C.K**, **P.Karthik**, “Designing a Novel Sensor with High Sensitivity Hydrophone for Acoustic Sound Waves”, NCCVS-2014. |
|  | **Vidhya R**, “Overload Control In Support Of Machine To Machine Communication”, NCCVS-2014. |
|  | **Madhusurya Kumar D,** **Gopalakrishna Murthy C R**,” Implementation of AES Algorithm for image encryption using FPGA”, NCCVS-2014. |
|  | **A.R Raviteja, T Tejaprudhvi Kumar, Gopalakrishnamurthy C R,** “Design of a Cost Effective ATM Accessing System For The Blind using Hand Gestures on FPGA”, NCCVS-2014. |
|  | **Chetan. B, Sindhu. I. M**, “Implementation of a High Performance Mac Unit using Verilog”, NCCVS-2014. |
|  | **Shweta. P. S**, **Sindhu. I. M**, “High Speed Single Precision Floating Point Unit Using VHDL”, NCCVS-2014. |
|  | **Shanthala G. M**,” Design and Development of Convolutional Encoder and Viterbi Decoder for Cryptosystem”, NCCVS-2014. |
|  | **Latha. B. S**, **Shanthala G. M**,” Implementation of Booth’s Algorithm and Comparison with Robertson’s Multiplier Algorithm”, NCCVS-2014.  |
|  | **Rashmi.M, Shanthala G. M**,” Design of Reconfigurable Rate Limiter”, NCCVS-2014.  |
|  | **Hamsalekha. P. S, Prof. H. K. Harish, Puneeth. S**, “Emotion Recognition in Speech By Combining Prosodic and Spectral Features”, NCCVS-2014. |
|  | **Sarvamangala K.J**, **Shalinishravan**, “Development of Subcarrier Allocation System for Uplink OFDMA”, NCCVS-2014. |
|  | **Harsha.M.V, Shalinishravan**, “Design of Protocol Converter From Iec-60870-5-101 to Iec-60870-5-104”, NCCVS-2014. |
|  | **Raju,** **Manu. D. K**, “Comparative Study of LDPC and MIMO Coding Techniques for Ber Plot In WIMAX Systems”, NCCVS-2014. |
|  | **Keerthi Kumar B.M**, **Manu. D. K**, “Low-Power and High-Speed Carry Select Adder”, NCCVS-2014. |
|  | **Olume S**, **Manu. D. K**, “Flip Flops for Low Power VLSI Design Application using CMOS Technology”, NCCVS-2014. |
|  | **Anala M Reddy, Dr. Fathimajabeen,** **Mr. Vikram Thakur**, “Detection Of Marine Targets Using Scan-To-Scan Discriminator”, NCCVS-2014. |
|  | **P.S.Abdul lateef haroon**, **Dr. Fathimajabeen**, “Design and Implementation of PSD Algorithm for Digital Data Pulse Processing System for Medical Applications Using FPGA”. NCCVS-2014.  |
|  | **Arpithabeerala, Dr. Fathimajabeen**, “Design of Microwave Modules for Microstrip Antenna and RF Front-End”, NCCVS-2014. |
|  | **Manukumar G B, Dr Fathimajabeen**, “Development of Smart Dust Based Surveillance System using Arm7 Micro-Controller”, NCCVS-2014.  |
|  | **Glenson Toney**, **Dr Fathimajabeen,** “Design of 4-Bit Vedic Multiplier”, NCCVS-2014. |
|  | **Shanthala G. M**, “WIBREE Built Wireless Communication”, NCCVS-2014. |

**Year-2013**

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|  | **Vinay R, Pushpalatha G**, “Tracking and Counting Objects in Visual Surveillance Systems using Modified Overlap Tracker”, National Conference on Advanced Communication, NCCVS-2013.  |
|  | **K.Suresh, Dr. S.G. Hiremath, Dr.R. Shashikumar**, “Design of High Performance and Low Power NOCS for Inter IP Communication”, NCCVS-2013. |
|  | **Arpitha Beerala, Dr. Fathimajabeen**, “Design & Synthesis of Reed-Solomon Encoder using Verilog HDL”, NCCVS-2013. |
|  | **P.S.Abdullateefharoon**, **Dr Fathimajabeen,** “Design and Implementation of PSD Algorithm for Digital Data Pulse Processing System for Medical Applications using FPGA“ , NCCVS-2013. |
|  | **Anala M Reddy, Dr Fathimajabeen**, “Detection of Marine Targets Using Scan-To-Scan Discriminator”. NCCVS-2013. |
|  | **Mamatha.G.M, Dr.Fathima Jabeen**. “Generation of IP Core in the Sub Micron Technology for 16/32/64-Bit Multiplier using Booth Algorithm”. NCCVS-2013. |
|  | **Imtiyaz Ahmed.B.K**, **Dr. Fathimajabeen**, “Study of Blind Adaptive Beam forming Algorithm in Smart Antennas”, NCCVS-2013. |
|  | **Anala M Reddy, Dr. Fathimajabeen**, “Design and Implementation of Fredkin and Feynman Gates for the Construction of Reversible Barrel Shifter”, NCCVS-2013. |
|  | **Poojamohani,** **Dr.Fathima Jabeen**, “Review Paper On Wireless Body Area Network For Mobile Computing Environments”, NCCVS-2013.  |
|  | **Harsha M V, Dr.Fathimajabeen**, “Design and Simulation of Novel 3x3 Coupler Algorithm to Measure Varying Optical Phase” , NCCVS-2013. |
|  | **Puneeth. S**, and **Dr.Fathimajabeen** , “Optimized Transmission of Images With OFDM Over AWGN Channel”, 2013. |

**Year-2012**

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|  | **Lakshminarayana. M**, Yankamma, “Design and Implementing the CIC and PFIR Filter of Digital Down Converter”, 2012. |
|  | **Karthik.P**, **S.Ravi**, “Compiling the Hardware for the Specific Application Memory Access Interconnect”, 2012. |
|  | **Renuka V Tali, K Vijaya, Annapurna H Patil**, “Study and Analysis of Adaptive Filtering Algorithms in Beam Forming Technology”, 2012. |
|  | **Lakshminarayana M**, **Raghavendrachar**, “Secure Routing Mechanism for Trusted Mobile ADHOC Networks (Manet’s)”, 2012 |
|  | **Gunasheela T. J**, **Chrispinjiji**, “Hybrid Clustering Approach for Energy Efficiency and Prolonging Lifetime of a Wireless Sensor Network”, National Conference on Emerging Trends in Electronics and Communications,2012. |
|  | **Lakshminarayana. M**, **Shakuntala** **H.C**, “Analysis of Transitional Region in Low Power Wireless Link in Presence of Lognormal Shadowing”, 2011. |
|  | **Lakshminarayana. M**, **Bhaskarbabu**, “AXI Bus Master Interface Development Using Verilog”, 2011. |
|  | **P.Karthik, M.Manjunathan, R.Elavarasi and Dr.Ravi,** “Improved Performance of a Handset-Assisted Position Method using Embedded Applications”, 2011. |
|  | **P.Karthik, R.Elavarasi, E.Madheswaran, Dr.Ravi**, “Security System for Automobile using MEMS with Embedded System Design”. 2011. |
|  | **P Karthik, M Manjunathan, R Elavarasi, Dr S Ravi**, “Improved Performance of a Handset-Assisted Positioning Method using Embedded Applications”, National Conference on Advances in Information and Communication Technology”, PP 259-408, 2011. |
|  | **Sarvamangala, Shalini SHravan, “**Design and Development of Sub-Carrier Allocation System for Uplink OFDMA” National Conference 2010. |
|  | **Girish V Attimarad & Rammana S Havinal,** “Modelling Of Communication Channels in View of Smart Antenna”, National Conference On Emerging Trends In Signal Processing and Communication, Pg No. 18-23, 27th – 29th December, Maharashtra Academy of Engineering, Alandi (D), Pune, 2007. |
|  | **Girish V Attimarad & Rammana S Havinal**, “Performance Improvement of Mobile Adhoc Networks Using Smart Antenna”, National Conference on Emerging Trends In Signal Processing and Communication, Pg No. 13-17, 27th – 29th December, Maharashtra Academy of Engineering, Alandi (D), Pune, 2007. |
|  | **Girish V Attimarad & Rammana S Havinal**, “ Enhancing the Throughput In Wireless Adhoc Network Using Smart Antenna” National Conference on Advanced Computing and Computer Network, 378-382, 9th -10th March, Dr. Vithal rao Vikhe Patil College of Engineering, Ahmednagar, Maharashtra, 2007.` |
|  | **Girish V Attimarad & Rammana S Havinal**, “ Interference Reduction in Smart Antennas by Beam Forming Technique”, National Conference on Information and Communication Technology, 01-02 March, Narsee Monjee Institute of Management , andHigher Studies & D J Sangvi College of Engineering, Mumbai, 2007. |
|  | **Girish V Attimarad & Rammana S Havinal**, “ Smart Antenna for Future Mobile/Wireless Communication”, National Conference on Converging Technology, 02-03 Feb., Jcet, Turkapally, R. R District,Andhra Pradesh, 2007. |
|  | **Asok De & Girish V Attimarad**, “Scattering Parameters of Dielectric Waveguide”, NCC 2003: 9th National Conference on Communications, Iit Chennai, Jan 31- Feb 2, 2003. |
|  | **Asok De & Girish V Attimarad**, “ Reflection Coefficient of Tapered Open Waveguide With Exponential and Triangular Distribution” Abstracts, National Conference on Radio Science in India, Npl, New Delhi, Pg. No. 15, Nov. 27-29, 2003. |