

Research Initiative

1. Ankit Jain, "Pipeline ADC using switched capacitor sharing technique with 2.5V, 10 bit" International Journal of enhanced research in science, technology & engineering (2319-7463) Vol. 3, Issue 1, January - 2014.
2. Ankit Jain and Kundan Kumar "Performance Analysis of Dual-Hop Cooperative Systems Over Fading Channels "PACE- A Journal of Research of Prestige Institute of Management Dewas" ISSN NO: 0976 0938 April 2015.
3. Ankit Jain "FPGA Design For Implementing data acquisition" International Conference on Advance in Electronics and Electrical Engineering AEEE at Bangkok, Thailand at 6-7April 2013.
4. Ankit Jain "FPGA Design For Implementing data acquisition Using ADC" Second International Conference PrCon 2013 Prestige Institute of Management Dewas Feb 2013.
5. Ankit Jain "Smart Camera as Embedded System "National Conference on Advances in Electronics and Communication Engineering at SVCE Indore March 2013.
6. Ankit Jain "Speed Control of Fan Using Fuzzy Logic Control" National Conference on Technological Research in Electrical and Electronics Engineering Oct 2012.
7. Ankit Jain "Cryptography Using MATLAB"National Conference on Recent Advances in Embedded System and VLSI Design Sep 2012.
8. Ankit Jain and Deepak Yadav "Different Windowing Techniques "National Conference on Recent Advances in Mechtronics and Computing Technology and Management June 2013.
9. KeshavPatidar, Amod C. Umarikar, "A high step-up PWM DC-DC Converter based on quasi z-source Topology," IET Power Electronics, 2014.
- 10.Keshav Patidar, Amod C. Umarikar, "High step-up converters based on quadratic boost converter for micro-inverter," Electric Power Systems Research, Volume 119, Pages 168-177, February 2015.
- 11.Keshav Patidar, Amod C. Umarikar, "A step-up PWM DC-DC Converter for renewable energy applications,"International Journal of Circuit Theory and Applications 2015.
- 12.Keshav Patidar, Amod C. Umarikar, "Control of DC link voltage in quasi Z-source inverter by using one cycle control method," IEEE International conference Power Electronics, Drives and Energy Systems (PEDES), IIT Bombay, India, December 16-19, 2014.

13. Keshav Patidar, Amod C. Umarikar, "One Cycle control of Z source and Quasi Z source DC-DC Converters," 6th National Power Electronics Conference (NPEC), IIT Kanpur, India, December 20-23, 2013.
14. Keshav Patidar, Amod C. Umarikar, "A space vector PWM signal generation for Z-source inverter using only sampled amplitudes of reference phase voltages with a unified method to implement different shoot through strategies," Power Electronics, Drives and Energy Systems (PEDES), 2012 IEEE International Conference on, IISc Bangalore, December 16-19, 2012.
15. Narendra Bahadur Singh and Rupesh Ku. Dutta "CORDIC For QAM and AM Signal Generation " CEERI Pilani Sep 2013
16. Ankit Pandit and Rupesh Kumar Dutta " A Novel transmit diversity approach for MIMO System Using different STBC Coding Scheme" International Journal of Emerging Technology and Advanced Engineering Volume 4 Issue 7 July 2014
17. Rupesh Kumar Dutta "Equalization Scheme with QPSK and MIMO in Rayleigh Channel " International Journal of Research in Engineering Technology and Management Volume II Issue II March 2014 (ISSN : 2347-7539)
18. Rupesh Dutta "Performance of Wimax 802.13E PHY Layer over Communication Channel" International Journal of Research and scientific innovation" Page no. 57-60 Volume I Issue II Jan 2014 (ISSN 2321-2705)
19. Rupesh Dutta "Comparative study of WIMAX using Various channel Coding" National Conference on Emerging Trends in Engineering and technology March 2014
20. Rupesh Dutta "A Novel Transmit Diversity Approach For MIMO System Using Different STBC Coding Schemes" International Journal of Emerging technology and advance Engineering Volume 4, & July 2014
21. Reeta Charde "Compression Effect on Images using different wavelet transformations" International Journal of Advanced Research in Electronics and Communication Engineering Volume 4 Issue 2 Feb 2015 P.P 0399-0402
22. Reeta Charde "Image Performance over AWGN channel using PSK system" International Journal of Engineering and Innovation Technology Volume 2 Issue 1 July 2012 (ISSN 2277-3754)
23. Reeta Charde "Performance Comparison of WT Denoising & MF Denoising over AWGN Channel" International Journal of Engineering Research and Technology Volume 1 Issue 5 July 2012
24. Reeta Charde "Study on Image Reconstruction and Denoise using wavelet Transform" National Conference on Challenges and Prospective in Engineering, Management and Pharmacy held at BM College Indore April 2012

25. Reeta Charde " Study on Image Compression using Wavelet Transformation" International Conference on Electronics and Electrical Engineering 20 May 2012 Nagpur.
26. Sangeeta Solanki "OFDM Signal of Digital Video Broadcasting Implementation With FFT" National Conference on Recent Advances in Embedded System and VLSI Design on Sep 2012
27. Sangeeta Solanki "Analysis QAM Performance over AWGN channel National" Conference on Recent Advances in Mechnronics and Computing Technology and Management 2013
28. Sangeeta Solanki "Equipple Optimal digital FIR Filter using Signed Power of 2" National Conference on Technological Research in Electrical and Electronics Engineering Oct 2012
29. Sangeeta Solanki " Design FIR Filter with Signed Power of Two Term Using MATLAB" International Journal of Engineering Research and Technology Vol. 1 Issue 3 May 2012 ISSN 2278-0181
30. Sangeeta Solanki " FIR Filter Design Using Rounding Techniques" International Journal of Computer Science and Information Technologies Volume 3 Issue 5 Sep Oct 2012 ISSN 0975-9646
31. Sangeeta Solanki " Design High Pass FIR Filter with Signed Power of Two Term Using MATLAB" International Journal of Engineering Research and Application Vol. 2 Issue 4 August 2012 p.p 1968-1970 ISSN 2248-9622
32. Mr. Atul Singh Kushwah, Ms. Priya Rathore & Mr. Ramsewak Kumar, "Performance Estimation of 2*4 MIMO-MC-CDMA Using Convolution Code in Different Modulation Technique using ZF Detection Scheme" International Journal of Engineering Trends & Technology (IJETT), Volume 10 Number 13 - Apr 2014.
33. Mr. Atul Singh Kushwah & Mr. Sachin Manglasheril, "Performance Estimation of 2*3 MIMO-MC-CDMA in Rayleigh Fading Channel", International Journal of Computer Trends and Technology (IJCTT) – volume 9 number 1– Mar 2014.
34. Mr. Atul Singh Kushwah, "Performance Estimation of 2*1 MIMO-MC-CDMA Using Convolution Code in Different Modulation Technique by Zero-Forcing Detection", International Journal of Engineering Research & Technology (IJERT), Vol. 3 Issue 2, February – 2014.
35. Mr. Atul Singh Kushwah, "Performance Analysis of 2*4 MIMO-MC-CDMA in Rayleigh Fading Channel Using ZF-Decoder", International Journal of Engineering Trends and Technology (IJETT) – Volume 8 Number 4- Feb 2014.
36. Mr. Atul Singh Kushwah & Mr. Mayank Mittal, "Performance Estimation of 2*2 MIMO-MC-CDMA Using Convolution Code in Different Modulation Technique",

International Journal of Engineering Research & Technology (IJERT), Vol. 3 Issue 1, January – 2014.

37. Mr. Atul Singh Kushwah, "Performance Estimation of 2*1 MISO-MC-CDMA in Different Modulation Technique", A R DIGITECH International Journal of Engineering, Education And Technology (ARDIJEET), volume two issue one, Jan 2014.
38. Prof. Prashant Bhati, Mr. Atul Singh Kushwah, "Survey on optimum wireless communication by cognitive radio spectrum sensing technique", A R DIGITECH International Journal Of Engineering, Education And Technology (ARDIJEET), Vol.1, Issue1 Jan 2013.
39. Atul Singh Kushwah, Deepika Pandey, Archana Patidar "MIMO Configuration Scheme with Spatial Multiplexing and QPSK modulation", International Journal of engineering research and application (IJERA), Vol. 2, Issue 4, June-July 2012, pp.746-750 .
40. Devendra Singh Mandloi "Performance analysis of turbo code deWimax system over different communication channel " International Journal of Engineering Research and Development Volume 3 Issue 1 August 2012 P.P. 62-69 ISSN: 2278-067
41. Deendra Singh Mandloi " Analysis QAM Performance over AWGN Channel" National Conference on Recent Advances in Mechtronics and Computing Technology and Management June 2013
42. Devendra Singh Mandloi "Equripple Optimal digital FIR Filter using Signed Power of 2" National Conference on Technological Research in Electrical and Electronics Engineering Oct 2012
43. Devendra Singh Mandloi " FIR Filter Design Using Rounding Techniques" International Journal of Computer Science and Information Technologies Volume 3 Issue 5 Sep Oct 2012 ISSN 0975-9646
44. Devendra Singh Mandloi "OFDM signal of Digital video broadcasting implementation with FFT", 2012. " Recent Advances in Embedded System and VLSI Design Sep 2012
45. Dhananjay Kumar and Nupur Jejurikar" Modeling and simulation of D-STATCOM for voltage regulation imparting Various Control Strategies" National Conference on Trends and Challenges in Applied Science and Technology on Jan 2014.
46. Dhananjay Kumar and Kajal Rathod "D-STATCOM Modeling and Simulation Applying Control Schemes for Power Quality Improvement" International Journal of Electrical and Electronic Engineering & Telecommunications (IJEETC) Vol. 4, No. 2, April 2015.

47. Dhananjay Kumar "Piezoelectric Energy Harvesting from Vibration Induced Deformation of Floor Tiles" 6th National Power Electronics Conference (NPEC) at IIT, Kanpur in Dec 2013.
48. Dhananjay Kumar "Piezoelectric Energy Harvester Design And Power Conditioning" IEEE Student Conference on Electrical Electronics and Computer Science 2014 at Maulana Azad National Institute of Technology, Bhopal, 1-2 March 2014.
49. Neha Choudhary "Analysis of worm Hole Attack in MANET using AODV routing Protocol" International Journal of Electronics & Communication Engg., Volume 1 Issue 10-2014 ISSN 2278-0181
50. Neha Choudhary "Analysis of Black Hole Attack in MANET using AODV routing Protocol" International Journal of Engineering Research and Technology Volume 3 Issue 11 Nov 2014.
51. Neha Choudhary " Compression Effect on Images using different Wavelet Transformation " International Journal of Advanced Research in Electronics and Communication Engineering Volume 4 Issue 2 Feb 2015 P.P. 0399-402
52. Hemlata Pal "Centralized Admission Control Algorithm for Differentiated Network" National Conference on Emerging Trends & Technologies, Jan 2011, in Chennai.
53. Amrita Pahadia "Analysis QAM Performance over AWGN Channel" National Conference on Recent Advances in Mechatronics and Computing Technology and Management June 2013
54. Amrita Pahadia " Design strategy of barrel shifter using 2:1 mux at 40nm and 90nm technology" International Journal for Science and Research in Technology Volume 1 Issue 4 April 2015 ISSN : 2395-1052
55. Amrita Pahadia "Design strategy of barrel shifter using 2:1 mux at 40nm and 90nm technology" International Journal on Electronics and Electrical Engineering Jan 2015
56. Deepak Yadav " Design strategy of Barrel Shifter Using 2:1 Mux at 40 nm and 90 nm Technology" International Journal on Electronics and Electrical Engineering Jan 2015
57. Ankit Jain and Deepak Yadav "Different Windowing Techniques "National Conference on Recent Advances in Mechatronics and Computing Technology and Management June 2013
58. Ms. Priya Rathore "performance comparison of DSSS RXs" International Journal of Engineering Trends & Technology (IJETT), Volume 17 Number 5 – Nov 2014.
59. Ms. Priya Rathore "DSSS RX with interference canceller" International Journal of Electronics & communication Engineering (IJECE), Volume 1 Number 10- Dec. 2014.

60. Ms. Priya Rathore "CS-DSSS receiver with interference canceller" National conference on recent advances in electronics & computer engineering (RAECE-2015) by IIT Roorkee during 13-15 Feb 2015.
61. Ms. Priya Rathore " Digital water marker" National Conference on Recent Advances in Mechatronics and Computing Technology and Management (RAMCTM-2013) June 2013
62. Ms. Priya Rathore "Performance Estimation of 2*4 MIMO-MC-CDMA Using Convolution Code in Different Modulation Technique using ZF Detection Scheme" International Journal of Engineering Trends & Technology (IJETT), Volume 10 Number 13 - Apr 2014.
63. Ms. Priya Rathore " Compressive sensing receiver with HIC" International Journal of software & hardware research in engineering (IJSHRE), Volume 3 Issue 1- Jan. 2015.
64. Sachin Manglasheril, "MLPR Implementation based on NOC", 4th National Conference on Wireless Communication & VLSI design NCWCVD 29th MAY 2011
65. Sachin Manglasheril, "USB SERIAL INTERFACE ENGINE IMPLEMENTATION ON FPGA", 4th National Conference on Wireless Communication & VLSI design NCWCVD 29th MAY 2011
66. Mr. Sachin Manglasheril, "Performance Estimation of 2*3 MIMO-MC-CDMA in Rayleigh Fading Channel", International Journal of Computer Trends and Technology (IJCTT) – volume 9 number 1– Mar 2014.
67. Mr. Ramsewak Kumar, "Performance Estimation of 2*4 MIMO-MC-CDMA Using Convolution Code in Different Modulation Technique using ZF Detection Scheme" International Journal of Engineering Trends & Technology (IJETT), Volume 10 Number 13 - Apr 2014.
68. Anand Mantri "Compression Effect on Images using different Wavelet Transformation" International Journal of Advanced Research in Electronics and Communication Engineering Volume 4 Issue 2 Feb 2015, pp 0399-402.
69. Veena Tiwari "Digital Water Marker " National Conference on Recent Advances in Mechatronics and Computing Technology and Management June 2013
70. Ulhas Kothari "The development of 1CA based face recognition " National Conference on Signal Processing, Communication and VLSI Design NCSCV 10 May 2010
71. Ulhas Kothari "The development of PCA based face recognition" National Conference on Emerging Technologies in Electronics, Mechanical and Computer Engineering April 2010.
72. Ulhas Kothari "Comparison on the ORL Face data set" National Conference on Contemporary global trends in technology and management CGTTM August 2011.