

S. No.	Title of Lecture/Paper	Name of Seminars/ Conferences	Name of Institution/Agency	Date
1.	Comparative analysis of BRTS and MRTS-an approach required for selection of rapid transit system	Proceeding of International Conference on Smart Technologies for Energy, Environmental & Sustainable Development, GHRCE, Nagpur, July 28th-29th 2018	IEEE	2018
2.	Design of base station's vehicular communication network for intelligent traffic control	2009 IEEE VEHICLE POWER AND PROPULSION CONFERENCE, VOLS 1-3	IEEE	2009
3.	Extraction of Features and Opinion Words for Analysis of Parent Feedback in an Educational Institute using LRT Model	20th Jubilee IEEE International Conference on Intelligent Engineering Systems 2016	IEEE	2016
4.	Routing in Vehicular Ad Hoc Network using Bio Inspired Computing	International Conference on Computation of Power, Energy Information and Communication, IEEE 2014	IEEE	2014
5.	Comparative Analysis for reduction of energy using various Routing Protocol in Mobile Adhoc Network;	4th International Conference on Advancement in Electronics and Power Engineering (ICAPE 2013) Singapore	IEEE	2013
6.	Vehicle detection and neural network application for vehicle classification	Proceedings-2011 International Conference on Computational Intelligence and Communication Systems, CICN 2011	IEEE	2011
7.	A Comparative Study of Different Techniques for Motion Estimation Using Block Matching Algorithm	Proceedings of 2010 The 3rd International Conference on Power Electronics and Intelligent Transportation System (Volume 3),	IEEE	2010

8.	Design approach to traffic flow forecasting with soft computing tools	International Conference on Emerging Trends Engineering and Technology ICETET 2010 19- 21 Novemeber 2010, BITS,	IEEE	2010
9.	Approaches to Design Zigzag Drive Detection Model Using Image Processing	ICCCE – 2019, 341-348	IEEE	2019
10.	Fuzzy Bacterial Foraging Optimization Zone Based Routing (FBFOZBR) protocol for VANET	IEEE International Conference on ICT Business Industry, and Government (ICTBIG 2016) 18- 19 November 2016 SAIT Indore Pg1-10,	IEEE	2016
11.	Performance analysis of support vector machine for traffic flow prediction	Proceedings - International Conference on Global Trends Signal Processing Information Computing and Communication ICGTSPICC 2016	ICGTSPICC	2016
12.	Soft computing tool approach for texture classification using Discrete Cosine Transform	Electronics Computer Technology (ICECT) 2011 3rd International Conference on (Vol. 4 Pp296-299) IEEE,	IEEE	2011
13.	Emotion recognition system using connectionist models	Proc Int Conf Cog Neural Syst (pp1-2),	IEEE	2009
14.	Face and facial feature detection	Proceedings of the International Conference & Workshop on Emerging Trends Technology (pp, 686-689), ACM,	ACM	2011
15.	Driver's Behaviour Monitoring on Urban Roads of a Tier 2 City in India	International Conference on Emerging Trends in Engineering and Technology, ICETET, vol. 2016- March (2016)	IEEE	2016
16.	Short Term Traffic Flow Prediction Based on Neuro-fuzzy Hybrid System	Proceedings of 2016 International Conference on ICT in Business, Industry, and Government, ICTBIG 2016 (2017)	ICTBIG	2016
17.	Color video compression based on fractal coding using quadtree weighted finite automata	2nd International Conference on Information Systems Design and Intelligent Applications (INDIA) 2015, Volume 2, Advances in Intelligent Systems	IEEE	2015

		and Computing, 649-658, 2015		
18.	Design of adaptive traffic flow control system with soft computing tools for green signaling	2013 INTERNATIONAL CONFERENCE ON HUMAN COMPUTER INTERACTIONS (ICHCI)	ICHCI	2013
19.	Emotion and Gesture Recognition with Soft Computing Tool for Drivers Assistance System in Human Centered Transportation	2013 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, and CYBERNETICS (SMC 2013) APR 03-05 2013 Pg 913-917	IEEE	2013
20.	VANET: Challenges, issues and solutions	2013 6th International Conference on Emerging Trends Engineering and Technology ICETET (pp, 78-79) IEEE,	IEEE	2013
21.	A Design Approach to Traffic Flow Forecasting with soft computing tools	Proceedings-3rd International Conference on Emerging Trends in Engineering and Technology, 81-84, ICETET 2010	IEEE	2010
22.	Design of base station's vehicular communication network for intelligent traffic control	2009 IEEE VEHICLE POWER AND PROPULSION CONFERENCE, VOLS 1-3	IEEE	2009
23.	Intelligent monitoring system for driver's alertness (A vision based approach)	International Conference on Knowledge-Based and Intelligent Information and Engineering Systems (pp 471-477) Springer Berlin Heidelberg,	Springer	2007
24.	Hardware implementation of fuzzy controllers- approach and constraints	International Conference on Knowledge-Based and Intelligent Information and Engineering Systems (pp 46-51) Springer Berlin Heidelberg	Springer	2006
25.	Binary neural networks - A CMOS design approach	International Conference on Knowledge-Based and Intelligent Information and Engineering Systems (pp 1291-1296) Springer Berlin Heidelberg, Systems pp 1291-1296, [Lecture	Springer	2005

		Notes in Computer Science book series (LNCS, volume 3681)]		
26.	Genetic modeling: Solution to channel assignment problem	International Conference on Knowledge-Based and Intelligent Information and Engineering Systems (pp164-169) 2005, Springer Berlin Heidelberg, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	Springer	2005
27.	Exploring Benefits of Neuro Fuzzy Controller with Vehicle Health Monitoring	International Conference on Knowledge-Based and Intelligent Information and Engineering Systems (pp, 551-558) Springer Berlin Heidelberg, (2004, September). [Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)]	Springer	2004
28.	Soft computing-based design and control for vehicle health monitoring	Knowledge-Based Intelligent Information And Engineering Systems, Pt1, Proceedings, Lecture Notes in Artificial Intelligence	Springer	2003
29.	Development of Model for Estimation of Age Group of Drivers by using Soft Computing Tools	ICETET- ISA 2018, Helix	IEEE	2018
30.	Modified Three-Step Search Block Matching Motion Estimation and Weighted Finite Automata based Fractal Video Compression	INTERNATIONAL JOURNAL OF INTERACTIVE MULTIMEDIA AND ARTIFICIAL INTELLIGENCE, VOL 4, page-27-29	INTERNATIONAL JOURNAL OF INTERACTIVE MULTIMEDIA AND ARTIFICIAL INTELLIGENCE	2017
31.	Fuzzy based Color Image Segmentation using Comprehensive Learning Practical Swarm Optimization (CLPSO)-A Design Approach	Proceedings of the International Multiconference of Engineers and Computer Scientists 2009 Vol I, IMECS 2009, March 18 - 20, 2009, Hong Kong; (Vol. 1 Pp18-20) 2010	IMECS	2009

32.	Fractal Video Coding Using Modified Three-step Search Algorithm for Block- matching Motion Estimation	Advances in Intelligent Systems and Computing, 322, 2015	Advances in Intelligent Systems and Computing	2015
33.	Vehicle detection and neural network application for vehicle classification	Proceedings- 2011 International Conference on Computational Intelligence and Communication Systems, CICN 2011	IEEE	2011
34.	A Design Approach for Intelligent Speed Adaptation System Using Hybrid Controller	2nd International Conference on Emerging Trends Engineering and Technology (ICETET) 2009 (pp, 593-597) IEEE,	IEEE	2009
35.	A design approach for intelligent vehicle black box system with intra-vehicular communication using lin/flex-ray protocols	Proceedings of the IEEE International Conference on Industrial Technology, 1-6, April 2008	IEEE	2008
36.	A Design Approach to AMBA (Advanced Microcontroller Bus Architecture) Bus Architecture with Dynamic Lottery Arbiter	Proceedings of INDICON 2009 - An IEEE India Council Conference, 1-4	IEEE	2009
37.	Soft computing based real- time traffic sign recognition: a design approach	International Conference on Knowledge-Based and Intelligent Information and Engineering Systems (pp1070-1074) Springer Berlin, Heidelberg,	Springer	2005
38.	A FLC based Fingerprint Matching Algorithm for Images Captured with Android Camera for enhanced Security of Online Transaction	International Journal of Computer Science & Engineering ISBN 978-89-5519-163-9 PP 1193- 1197, 2012	International Journal of Computer Science & Engineering	2012

39.	A neural network based extraction of salient regions by segmenting color images	2nd International Conference on Emerging Trends Engineering and Technology (ICETET) 2009 (pp, 966-970) IEEE,	IEEE	2009
40.	A Neuro-Genetic System Design for Monitoring Drivers Fatigue: A Design Approach	First International Conference on Emerging Trends Engineering and Technology 2008, ICETET08, (pp, 711-714) IEEE,	IEEE	2008
41.	A Novel Approach to Extract Salient Regions by Segmenting Color Images with Hybrid Algorithm	Proceedings-3rd International Conference on Emerging Trends in Engineering and Technology, ICETET 2010, (pp, 605-609) IEEE, (2010, November).	IEEE	2010
42.	A Novel fuzzy control of the intensity of head lights for night driving	IEEE Intelligent Vehicles Symposium, Proceedings (2000)	IEEE	2000
43.	Accuracy comparison of vehicle classification system using interval type-2 fuzzy inference system	Proceedings-3rd International Conference on Emerging Trends in Engineering and Technology, ICETET 2010 (pp, 85-90) IEEE, (2010, November).	IEEE	2010
44.	Active Facial Tracking	3rd International Conference on Emerging Trends Engineering and Technology (ICETET) (pp, 91-95) IEEE, Nov. 2010	IEEE	2010
45.	An Approach for Four Way Set Associative Multilevel CMOS Cache Memory	International Conference on Knowledge-Based and Intelligent Information and Engineering Systems (pp, 740-746) Springer Berlin Heidelberg,	Springer	2007
46.	Analysis of selective parameters contributing to road accidents on highways for establishing suggestive precautionary strategies	Emerging Trends Engineering and Technology (ICETET) 2009 2nd International Conference on (pp, 576-580) IEEE,	IEEE	2009
47.	Approach for VHDL and FPGA Implementation of	Emerging Trends Engineering and Technology (ICETET) 2009 2nd International Conference	IEEE	2009

	Communication Controller of Flex-Ray Controller	on (pp, 397-401) IEEE,		
48.	Autonomous Mobile Systems: Fuzzy Controller Design with VLSI Approach	Intelligent Transportation Systems Conference 2007 ITSC 2007 IEEE (pp, 773-777) IEEE,	IEEE	2007
49.	Biometric mechanism for enhanced security of online transaction on Android system: A design approach	Advanced Communication Technology (ICACT) 2012 14th International Conference on (pp1193-1197) IEEE,	IEEE	2012
50.	Centroid based detection algorithm for hybrid traffic sign recognition system	Emerging Trends Engineering and Technology (ICETET) 2010 3rd International Conference on (pp, 96-100) IEEE,	IEEE	2010
51.	Cmos Mixed Signal Design of Fuzzy Logic Based Systems	Emerging Trends Engineering and Technology 2008 ICETET 08, First International Conference on (pp457-462) IEEE,	IEEE	2008
52.	Design Approach for FPGA Implementation of Flexray Controller Using VHDL for Intra Vehicular Communication Application	First International Conference on Emerging Trends Engineering and Technology (pp1002- 1006) IEEE,	IEEE	2008
53.	Design of dynamic synapse circuits with VLSI design approach	Proceedings - 3rd International Conference on Emerging Trends in Engineering and Technology, ICETET 2010	IEEE	2010
54.	Design of Shared Resource Based Multicore Embedded Controller Using LEon Processor	Emerging Trends Engineering and Technology (ICETET) 2010 3rd International Conference on (pp, 776-780) IEEE,	IEEE	2010
55.	A Design Approach for Driver's Vigilance and Monitoring System	4th International Conference on Emerging Trends Engineering and Technology (ICETET) 2011 (pp140-142) IEEE, TBD Port Louis, Mauritius 18 Nov - 20 Nov 2011	IEEE	2011

56.	Driver drowsiness detection using skin color algorithm and circular hough transform	Emerging Trends Engineering and Technology (ICETET) 2011 14th International Conference on (pp129-134) IEEE,	IEEE	2011
57.	Driver fatigue detection based on eye tracking	Emerging Trends Engineering and Technology 2008 ICETET08, First International Conference on (pp, 649-652) IEEE,	IEEE	2008
58.	Dynamic Lottery Bus Arbiter for Shared Bus System on Chip: A Design Approach with VHDL	Emerging Trends Engineering and Technology 2008 ICETET08, First International Conference on (pp, 984-989) IEEE,	IEEE	2008
59.	Evolutionary fuzzy modeling of pre-trip plan assistance system with vehicle health monitoring	ITSC2004: 7TH INTERNATIONAL IEEE CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS, PROCEEDINGS	IEEE	2004
60.	Facial Expression Recognition and Head Tracking in Video Using Gabor Filter	Emerging Trends Engineering and Technology (ICETET) 2010 3rd International Conference on (pp152-157) IEEE,	IEEE	2010
61.	Fuzzy arbiter based multi core system-on-chip integrated controller for automotive systems: A design approach	Electrical and Computer Engineering 2008, CCECE 2008, Canadian Conference on (pp, 001937-001940) IEEE,	IEEE	2008
62.	Fuzzy Based Driver Fatigue Detection	IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN AND CYBERNETICS (SMC 2010)	IEEE	2010
63.	Fuzzy control of head-light intensity of automobiles: design approach	Proceedings of the SICE Annual Conference (1998)		1998
64.	Fuzzy Logic Arbiter for Shared Bus Multiprocessor System: A Design Approach	Emerging Trends Engineering and Technology 2008 ICETET08, First International Conference on (pp1331-1335) IEEE,	IEEE	2008

65.	GA based low power sigma delta modulator for biomedical applications	Recent Advances Intelligent Computational Systems (RAICS) 2011 IEEE (pp, 772-776) IEEE,	IEEE	2011
66.	Optimization of cost function with cell library placement of VLSI circuits using simulated annealing	2009 Second International Conference on Emerging Trends in Engineering & Technology, ICETET (pp 173-178) IEEE, 2009	IEEE	2009
67.	Performance Analysis of Vehicle Classification System using Type-1 Fuzzy, Adaptive Neuro-Fuzzy and Type-2 Fuzzy Inference System	2009 2nd International Conference on Emerging Trends in Engineering and Technology, ICETET 2009	IEEE	2009
68.	Road lane detection with improved canny edges using ant colony optimization	3rd International Conference on Emerging Trends Engineering and Technology (ICETET) 2010 IEEE-2010 Pages: 76 - 80	IEEE	2010
69.	Smart control of headlight intensity of automobiles for improved night vision	Proceedings of the SICE Annual Conference (1999)	Proceedings of the SICE Annual Conference	1999
70.	Smart pre -trip plan assistance system with vehicle health monitoring approach	IEEE Conference on Intelligent Transportation Systems, Proceedings, ITSC, vol. 2002- January (2002)	IEEE	2002
71.	Speech Based File Lock: A Design Approach	SICE 2000: Proceedings of the 39th SICE Annual Conference : International Session papers : Iizuka, Japan, 26-28 July 2000. 287-290	SICE 2000	2000
72.	Vehicle Classification for Single Loop Detector with Neural Genetic Controller: A Design Approach	Intelligent Transportation Systems Conference 2007 ITSC 2007 IEEE (pp, 721-725) IEEE,	IEEE	2007
73.	VHDL-AMS based fuzzy Logic controllers	2008 First International Conference on Emerging Trends Engineering and Technology (pp 1007-1010) IEEE, GHRCE 2008 July,	IEEE	2008

74.	Knowledge Discovery in Educational Databases in Indian Educational System: A Case Study of GHRCE, Nagpur	Proceedings of 2019 International Conference on Computational Intelligence and Knowledge Economy, ICCIKE 2019	IEEE	2019
75.	Design of EEG Based Classification of Brain States Using STFT by Deep Neural Network	3 rd International Conference on Innovative Computing and Communications, 21-23 February, 2020 published in the book series "Lecture Notes in Electrical Engineering" Advances in Systems, Control and Automations, Lecture Notes in Electrical Engineering 708, PP. 627-637	Springer	2020
76.	EEG Based Brain State Classification Technique Using Support Vector Machine -A Design Approach	2020 3 rd International Conference on Intelligent Sustainable Systems (ICISS), ISBN: 978-1-7281-7089-3/20, 2020 IEEE, PP.1523-1228.	IEEE	2020
77.	Approaches to Design Zigzag Drive Detection Model Using Image Processing	ICCCE 2019	IEEE	2020
78.	Traffic Violation Detection Model Using Soft Computing Tools	2021 6 th International Conference for Convergence in Technology, I2CT 2021 ISBN: 978-172818876-8 DOI: 10.1109/I2CT51068.2021.9417887	IEEE	2021
79.	Design Development of Portable Vata, Pitta Kapha [VPK] Pulse Detector to Find Prakriti of an Individual using Artificial Neural Network	2021 6 th International Conference for Convergence in Technology, I2CT 2021 ISBN: 978-172818876-8 DOI: 10.1109/I2CT51068.2021.9418155	IEEE	2021
80.	Design of EEG Based Classification of Brain States Using STFT by Deep Neural Network	Lecture Notes in Electrical Engineering Volume 708, Pages 627 - 637 2021 2 nd International Conference on Emerging Trends and Advances in Electrical Engineering and Renewable Energy, ETAEERE 2020	Kalinga Institute of Industrial Technology (KIIT)/Springer	2021

81.	<i>Innovations in Continuous evaluation for assessment of ABET students outcome</i>	2013 ABET Symposium to be held at the Hilton Portland and Executive Tower in Portland, OR on April 12-13, 2013.	ABET	2014
82.	Road lane detection with improved canny edges using ant colony optimization	3rd International Conference on Emerging Trends Engineering and Technology (ICETET) 2010 IEEE-2010 Pages: 76 - 80	IEEE	2010
83.	Design Development of Portable Vata, Pitta Kapha [VPK] Pulse Detector to Find Prakriti of an Individual using Artificial Neural Network	2021 6th International Conference for Convergence in Technology, I2CT 2021 ISBN: 978-172818876-8 DOI: 10.1109/I2CT51068.2021.9418155	IEEE	2021
84.	A Novel method of End-to-End data security using symmetric key based data encryption and SDWAN networking	2022 5th International Conference on Contemporary Computing and Informatics (IC3I) pp1981-1986	IEEE	2022
85.	Evolution of Wide Area network from Circuit Switched to Digital Software defined Network	2021 International Conference on Technological Advancements and Innovations (ICTAI) pp 351-357	IEEE	2021