

LIST OF PUBLICATIONS

S. No.	Name of Faculty	Nature (Int. J. /Nat. J. /Int. Conf. /Nat. Conf.)	Details
1.	Pf. Nirmal Singh Grewal	INTERNATIONAL JOURNAL	<ul style="list-style-type: none"> • Nirmal Singh Grewal et al. "Cognitive Radio with its functions: Solution to Radio Scarcity." International Journal of Emerging Technologies and Application in Engineering Technology and Sciences during Dec 20-22, 2010. ISBN: 978-81-8465-360-1, page no. 367-371. • Nirmal Singh Grewal et al., "Sign language recognition for Deaf and dumb." International Journal of advanced research in computer science and software engineering. ISSN 2277, Volume 3, Issue 9, September 2013, pp. 103-106. • Nirmal Singh Grewal et al., "Sign language recognition system." International Journal of computational engineering research (IJCER) June 2013. Page no. 15-18. • Nirmal Singh Grewal et al., "Sign language recognition using digital image processing" International Journal of electronics and data communication (UDEEC) June 2013. page no. 15-18.
		INTERNATIONAL CONFERENCE	<ul style="list-style-type: none"> • Nirmal Singh Grewal et al. " DVB-T Simulation with OWDM" published a paper in International Conference on Advancement in Engineering and Technology (ICAET'2012) at Bhai Gurdas Institute of Engineering and Technology, Sangrur during October 12-13,2012. • Nirmal Singh Grewal et al. , " Development of Fuzzy logic based system to make a car intelligent" published a paper in International

			<p>Conference on Advancement in Engineering and Technology (ICAET'2012) at Bhai Gurdas Institute of Engineering and Technology, Sangrur during October 12-13,2012</p> <ul style="list-style-type: none"> • Poonam Choudhry, BS Singh, N.S. Grewal, Convolutional Code and coder design using partial swan optimization” Accepted for presentation and publication in the international conference on “future challenges in wireless communications, optical communication and networks to be held on 27-29 Nov, 2010. • Jatinder Kaur, Prof. Nirmal Singh Grewal and Dr. Munish Rattan and Itika, “Review of Cognitive radio Technology with its Principle, Classification and Functions.” In international Conference for Future challenges in Wireless Communication, Optical Communications and Networks organized by IE (I), Chandigarh Centre during Dec 27-29, 2010, Page No.74-77.
		<p>NATIONAL CONFERENCE</p>	<ul style="list-style-type: none"> • Jatinder Kaur, Chandni, Prof. Nirmal Singh Grewal and Dr. Munish Rattan, “An Approach to Direct Amplification: An optical Amplifier” in Second National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-11) during March 4-5, 2011, ISBN No: 978-93-80697-72-7. • Rajni Bala, Nirmal Singh Grewal and Dr. Munish Rattan, “Versatility of Fuzzy Logics in Designing an Intelligent System.” In Second National Conference on Recent Advances in Electronics and

			<p>Communication Technologies (RAECT-11) during March 4-5, 2011, ISBN No: 978-93-80697-72-7.</p> <ul style="list-style-type: none"> • Er. Yogesh Garg, Nirmal Singh Grewal "Performance evaluation of IEEE 802.16 (WiMAX) system based Adaptive modulation", in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22, 2013 • Komal , Taranjot Kaur , Nirmal Singh Grewal "Design Of An Embedded System That Displays Vacant Seats In A Bus", In Third National Conference On Recent Advances In Electronics And Communication Technologies (RAECT-13) During March 21-22, 2013. • Komal , Taranjot Kaur , Nirmal Singh Grewal "Design Of An Obstacle Detection System ", In Third National Conference On Recent Advances In Electronics And Communication Technologies (Raect-13) During March 21-22, 2013.
2.	Pf. Ameeta Seehra	INTERNATIONAL JOURNAL	<ul style="list-style-type: none"> • Mandeep Kaur, Ameeta Seehra, Manjit Singh, Charanpreet Singh," Modelling and simulation of gain and output power characteristics of semiconductor optical amplifiers" at International Journal on Power Systems Operation & Control held on December 20-22, 2010 GNDEC Ludhiana.

		INTERNATIONAL CONFERENCE	<ul style="list-style-type: none"> • “Attention as a cognitive tool in human information processing”, International conference on “Cognitive systems”, New Delhi, 1998. • ”Information Security Challenges” accepted for International conference On Global Trends InInformation Technology, PCTE Baddowal ,30th -31st march, 2007. • Ameeta Seehra et al.,“Green Cellular Technique for Energy Saving” published a paper in international Conference on Advances in Signal Processing & Communication, June 2012, Netherlands. • Ameeta Seehra et al., “Structure of Power Saving Multicast Routing Protocols in Wireless Adhoc Networks_ An Event Driven Layered Approach”, International Conference on Wireless & Networks & Embedded System (WECON-2008), 18-19 Oct, 2008 at CIET, Rajpura, pp.154-155. • Pradeep Kumar Gaur, B.S. Dhaliwal, Seehra Ameeta, “Analysis of Power Saving Multicasting Routing Applications for Mica2 Motes-An event based MATLAB Implementation”, IEEE International Conference on Multimedia, Signal Processing and Communication Technologies (IMPACT-2009) at Aligarh Muslim University, Aligarh on 14th - 16th March, 2009, pp. 109-112.
--	--	--------------------------	---

		<p>NATIONAL CONFERENCE</p>	<ul style="list-style-type: none"> • Ameeta Seehra et al., “Cricketing Academic Potentials for Strengthening Technical Education System” In proceedings of National conference on Quality Assurance in Technical Education , 22nd August 2008, Sponsored by ISTE, Organised by SUS college of Engg. & Technology, Tangori, Mohali. • Ameeta Seehra et al., “Analysis of Power Saving Multicasting Routing Protocols in Wireless Adhoc Networks – A MATLAB based approach.” IEEE national conference on wireless & Optical communication (WOC-2008) held at PEC, Chandigarh, 18-19 Dec 2008, pp.21-28. • Er. Ameeta seehra, Er. Mandeep Kaur Gill, Er. Manjit Singh, “Theory of the Line Width Broadcasting of Signal in Semiconductor Optical Amplifiers” (RAECT-11), National Conference on Recent Advances in Electronics And Communication technologies held on March 4-5, 2011 at GNDEC, Ludhiana. • Er. Ameeta seehra, “Advantages, Disadvantages and Application of Non-Linear effects”co-authors-Sahil Gupta, Mandeep Singh, Gurjot Singh (RAECT-11), 4-5 March 2011, GNDEC, Ludhiana. • Er. Ameeta seehra, Er. Amanjot Singh, Er. Sukhpreet Kaur, Er. Parminder Kaur, “Wireless Sensor Network” National Conference on RAECT-11,4-5, March, 2011. • Ameeta Seehra et al. “ICI Reduction Method for OFDM system”, National conference on Futuristic Trends in engineering and Technology, JCDM college of Engineering, Sirsa, 28th-29th, January 2008. • Pawandeep Kaur Gill ,Ameeta Seehra, “Analysis of Handover Schemes In WiMax” in Third National Conference
--	--	----------------------------	--

			<p>on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013.</p> <ul style="list-style-type: none"> • Preet Kaur, Ameeta Seehra, “Energy Saving In Cellular Networks By Femtocell Deployment ” in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013. • Arpit Badaisha , Ameeta Seehra, “Energy Efficient Wireless Optical Broadband Access Networks ” in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013
3.	Prof. Kanwaljit Singh	INTERNATIONAL CONFERENCE	<ul style="list-style-type: none"> • NeuroFuzzy:A hybrid Approach in the field of soft computing” International conference onGlobal Trends In Information Technology, PCTE Baddowal ,30th -31st march,2007. • “Soft computing in FSK modem using DSP”, IEEE International conference on Systems, Man & cybernetics, Tennessee, USA Oct. 8-11, 2000.
		NATIONAL CONFERENCE	<ul style="list-style-type: none"> • “Resource Planning, knowledge management and e-commerce in India : The Challenges Ahead”, National Seminar on Computer Based Management Information Systems for Optimum Utilization of Resources – Purchase and Distribution, Organized by Guru Nanak Dev Engineering College, Ludhiana (4.2.2000). • “Simulation of EMI-Systems in Radio Net Through Automatic Frequency Assignment”, National Conference on Radio Communication, • “Bit Skew Compensating Algorithm

			<p>for Worldwide WDM system and Networking”, National Conference on “Communications”, R.E.C. Jalandhar, Dec. 2002.</p> <ul style="list-style-type: none"> • “Timing jitter effects in Soliton WDM Optical Communication System” National Symposium on “Emerging Trends in Networking & Mobile Communication”, PEC, Chandigarh, 5-6 Sept.2003. • “Analytical studies of higher order dispersion terms in single mode optical communication system”, National Symposium on “Emerging Trends in Networking & Mobile Communication” PEC, Chandigarh, 5-6 Sept. 2003. • “Design and implementation of Generic viterbi decoder using FPGA”, National Conference on “Services through IT enabled systems” Organized by IETE Gwalior Centre and CSI Gwalior Chapter, Gwalior, April 19-20, 2003. • “A Study of Chameleon Reconfigurable Platform for handheld multimedia Gadgets” National Seminar on “Cutting Edge Technologies”, SHSLIET Longowal, March 14 2004. • “Collosion Induced Filter Effect Reducing methods in Solutions based optical Communication systems”, National Seminar on “Cutting Edge Technologies”, SHSLIET Longowal, March14, 2004. • “Analytical studies of Higher order Dispersion terms in single mode optical communication systems” National Seminar on “Cutting Edge Technologies” SHSLIET Longowal, March 14,2004. • “Wireless Fidelity: A new technology for Wireless LAN”,
--	--	--	---

			<p>International Conference on Challenges and opportunities in IT industry, PCTE Baddowal, Nov. 12, 2005.</p> <ul style="list-style-type: none"> • “Image Denoising by Wavelet based Techniques”, Proc. of National Conference on Wireless Networks and Embedded Systems, CIET Rajpura., July 28, 2006. • “Simulated annealing for engineering optimization” in National conference RAECT-06, GNDEC, Ludhiana held on 9-10 Nov, 2006. • Phase extraction techniques for fiber optic sensor” in National conference RAECT-06, GNDEC, Ludhiana held on 9-10 Nov, 2006. • “Simulation and performance analysis of SCM transmission link for fiber to home” in National conference RAECT-06, GNDEC, Ludhiana held on 9-10 Nov, 2006. • “Optimization of S/N ratio of avalanche photodiode using genetic algorithm” national conference TECHNOLOGIA-2007 at Chattisgarh on 2-3rd march,2007. • “Wavelet based image denoising by adaptive threshold techniques” national conference at Shaheed Udham Singh College Of Engineering and Technology, Tangori on 10th Nov,2006. • “Image restoration by filtering and wavelet based techniques” national conference REACT-06 at Bhai Gurdas Institute Of Engineering & Technology, Sangrur. • “Image restoration techniques” national conference “Emerging trends in electrical” at Shaheed Udham Singh College Of Engineering and Technology, Tangori on 10th Nov,2006.
--	--	--	--

			<ul style="list-style-type: none"> • Daljit Kaur, Kanwaljit Singh “Denial of service attacks in manet with classification, detection and prevention methods”, national conference on recent advances in electronics and communication technologies, 4-5 march,2011. • Kawalpreet singh, rajanbir singh, Kanwaljit Singh “problem in optical soliton transmission”, national conference on recent advances in electronics and communication technologies,4-5 march,2011. • Kanwaljit Singh, Jagwinder singh heer, amarjit singh “mobile number portability in india”, national conference on recent advances in electronics and communication technologies, 4-5 march, 2011. • Pawandeep kaur, Reena kaushal, Kanwaljit Singh, Gurjot singh “wireless sensor networks: a brief survey”, national conference on recent advances in electronics and communication technologies,4-5 march,2011. • Yogesh Kumar,Kanwaljit Singh, “Enhancement of Prevailing IB-LEACH for Heterogeneous Wireless Sensor Networks ” in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22, 2013. • Kashish Sareen, Kanwaljit Singh, “Centroid Localisation For Wireless Sensor Networks ” in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22, 2013. • Simranjit Singh, Kanwaljit Singh, “MSEP-E(MODIFIED SEP-E) For Heterogeneous Clustered Wireless Sensor Networks” in
--	--	--	---

			<p>Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22, 2013.</p> <ul style="list-style-type: none"> • Arwinder Kaur, Kanwaljit Singh, "STUDY OF CONGESTION PROBLEM IN WIRELESS SENSOR NETWORKS " in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22, 2013. • Yogesh Kumar , Kanwaljit Singh, "Improved Method for Managing Password using Blowfish Algorithm " in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22, 2013.
4.	Dr. Sandeep Singh Gill	INTERNATIONAL JOURNAL	<ul style="list-style-type: none"> • S. S. Gill et al., "Quality of service in hospitality industry: An empirical study," World Review of Business Research, vol. 2, no. 3, May 2012. • S. S. Gill et al., "Correlation between employee and customer satisfaction: A case of a Heart Care facility," World Journal of Social Sciences, Vol. 2, July 2012, pp. 267-272. • Sandeep Singh Gill, Rajeevan Chandel and Ashwani Chandel, " Comparative study of Ant Colony and Genetic Algorithm for VLSI circuit partitioning ", International Journal of Intelligent system and Technologies" , Vol 4, No.2, pp 104-108, March 2009. • Sandep Singh Gill, Rajeevan chandel and Ashwani Chandel , " Genetic Algorithm based approach to circuit partitioning", International Journal of Computer and electrical

			<p>Engineering Vol.2, No.2, Apr 10,2010</p> <ul style="list-style-type: none"> • Supreet Singh, S. S. Gill& Jaspreet Kaur, “Initial Partitioning Algorithm for ISPD 98 Benchmark”, International Journal of Electronics Engineering J 1(2), July-Dec, 2009, pp. 285-289 • Rajesh Kumar, S.S.Gill, “Spectroscopic analysis of Carbon nanotube properties”, International Journal of Electronics and Communication Engineering (IJECE), Dec 2010. • Lokesh. S.S. Gill, “ Ultra high speed optical signal processing based on single SOA at 60 Gbps”, Internation Journal for Light and Electron , Elsevier, Volume 122, Issue 11, June 2011, Pages 978–985 2011 • Jatinder Singh, S.S. Gill, S.S. Sodhi, “ Investigation Data Format conversion based on MZI-SOA”, Optics and Lasers in Engineering, Elsevier, Volume 49, Issue 1, January 2011, Pages 152–158 2011 • S.S. Gill, Rajeevan Chandel, Ashwani Chandel, “ Efficient clustering and simulated Annealing based approach for circuit partitioning journal of Shanghai Jiatong University (Science) Springer, vol 16, ISSN: 1007-1172July 2011 • S.S. Gill, Rajeevan Chandel, Ashwani Chandel, “Netlist Bi partitioning using Particle swarm optimization Technique”, International Journal of Artificial Intelligence and Soft computing, Inder Science Vol 3, May 21,2011. • U.Mathur, Sandeep Singh Gill, Munish Rattan, “Removal of
--	--	--	--

			<p>Speckle noise from eye images through bacterial foraging optimization,” <i>International Journal of Advanced Engineering Technology</i>, Vol-II, Issue I, Jan-March, 2011</p> <ul style="list-style-type: none"> • S.S. Gill et al., “Design of First order Sigma Delta Modulator of an Over sampling ADC in CMOS VLSI”, <i>International Journal of Emerging Technologies & Applications in Engineering Technology & Sciences</i>, Dec-2011. • S. S. Gill et al., “Performance evaluation of channel estimation in OFDM system for different QAM and PSK modulations.” <i>International Journal of Elect. and Computer Engineering</i>, vol.11, no. 2, pp. 140-150, Dec. 2011. • S. S. Gill et al., “Investigations in Dictionary attacks on cellular security based DES and AES,” <i>International Journal of Applied Engineering Research</i>, vol. 6, no. 18, 2011. • S. S. Gill et al., “Implementation of Quadratic rotation decomposition based recursive least squares algorithm,” <i>Research Cell: An International Journal of Engineering Sciences</i>, vol.5, pp. 157-165, issue Dec. 2011.
		<p>NATIONAL JOURNAL</p>	<ul style="list-style-type: none"> • “ The Security implementation of open source software “ <i>Journal IPM Meerut</i> , Vol 402, PP 33-39, Dec 2005.

		INTERNATIONAL CONFERENCE	<ul style="list-style-type: none"> • S. S. Gill et al., "Simulated Annealing based delay centric VLSI circuit partitioning", "2010 3rd IEEE International conference on computer Science and Information Technology, July 9-11, 2010 Chengdu, China. • S. S. Gill et al. "Indian Currency rate forecasting using Neural Networks," 2010 IEEE International Conference on Advanced Management Science, IEEE, ICAMS 2010, July 9-11, 2010 Chengdu, China. • S. S. Gill et al., "Swarm Intelligence based circuit partitioning", <i>The Asia Pacific conference on Post Graduate Research in Micro Electronics and Electronics (PRIME ASIA 2010)</i> 22-24 Sept 2010, Shanghai, (IEEE) • S. S. Gill et al., "Implementation of Multi way Partitioning Algorithm", <i>IEEE 2010. International Conference on Intelligence and Information Technology (ICIIT 2010)</i>, 28-30 Oct, 2010, Lahore, Pakistan. • S.S. Gill et al. "Simulated Annealing based VLSI circuit partitioning for delay minimization", <i>Proceeding of the 4th WSEAS International Conference on Computational Intelligence</i>, Bucharest, Romania, Page 60-63, 2010 ISBN ISSN: 1790-5117, 918-960-474-179-3 • S. S. Gill et al., "Correlation between employee and customer satisfaction," <i>4th International Business and Social Science Research Conference</i>, Dubai, 5-7 Jan. 2012. • S. S. Gill et al., "Quality of Service in Hospitality Industry: An Empirical Study," <i>4th International Business and Social Science Research Conference</i>, Dubai, 5-7 Jan. 2012. • S.S. Gill et al., "Modeling & Design of Multi – Dimensional RF MEMS Variable Capacitors", <i>International Conference on MEMS (ICMEMS)</i>
--	--	--------------------------	---

			<p>2009), IIT Madras, Jan. 3-5, 2009.</p> <ul style="list-style-type: none"> • S.S. Gill et al., "Investigation of Pitch modification of Alaryngeal Speech", <i>International Conference on Wireless Networks & Embedded Systems</i>. • S.S. Gill et al., " Effect of Pitch modification on the Quantity of the Alaryngeal speech using Harmonic plus noise model", <i>International Conference on Intelligent system & Networks (ISN-2008_ Institute of Science & Technology , Klawad, Yamunanagar, 22-24 Feb, 2008</i> • S.S. Gill et al., "Security challenges in wireless Networks ", <i>International Conference on challenges & Opportunities in IT Industry (ICCII-2005) PCTE Baddowal, 12 Nov-2005</i>. • S.S. Gill et al., " Digital VLSI testing techniques: A review", <i>International Conference on Wireless Networks & Embedded systems (WECON-2008) CIET, 18-19 Oct-2008</i> • S.S. Gill et al., " Design & Modeling of Variable capacitor for MEMS Technology ", <i>Proceedings of the 2nd Conference on Electronics Design & Communication Technology, HCTM, Kaithal, India, 14-15 May, 2010</i>. • S.S. Gill et al., " Hopfield Neural Networks based approach to Circuit partitioning ", <i>International Conference of International Society of Theoretical & Applied Mathematics, NIT Hamirpur, Jan-2011</i>. • S. S. Gill et al., "Approaches to channel equalization," <i>2nd International Conference on Advanced Computing and Communication Technologies, 7-8 Jan. 2012</i>. • S. S. Gill et al., "Investigations in Dictionary attacks on Cellular Security based on DES and AES," <i>International</i>
--	--	--	--

			<p><i>Conference on Emerging Trends in Engineering and Technology</i>, 20-22 Oct. 2011.</p> <ul style="list-style-type: none"> • S. S. Gill et al., "Area efficient pulse shaping filter for wireless communication system," <i>1st International Conference on Advanced Computing and Communication Technology</i>, 20-22 Jan. 2011. • S. S. Gill et al., "A review on Hardware Software co-design approach for circuit partitioning," in <i>Proc. 3rd Intl. Conf. on wireless & Embedded Systems</i>, Jul. 18-20, 2011, pp. 213-217. • S. S. Gill et al., "Business ethics and corporate social responsibility: An empirical study of Business in Ludhiana," <i>4th International Conference Management Next: Paradigms and Innovations</i>, 19-20 Feb. 2010.
		<p>NATIONAL CONFERENCE</p>	<ul style="list-style-type: none"> • S.S.Gill, "Management Information System for marketing excellence.", <i>National Seminar on Computer based MIS for optimum utilization of resources</i>, GNDEC,Ludhiana, 4 Feb, 2000. • S.S.Gill et al., "Temperature effects, Thermal design & protection of SCRs", <i>National conference on Power Systems & energy Management</i>, IET, Bhaddal, 23 May, 2003. • S.S.Gill, "Emerging Wireless Communication Technology: Bluetooth", <i>National Seminar on Mobile Communication</i>, C.V.Raman College of Engineering, Bhubaneswar , 31 Oct-1 Nov, 2003. • S.S.Gill, "Review Analysis of Dynamic Tunneling Technique for Global

			<p>Optimization.”, <i>National Conference on Mathematical and Computational models</i>, PSG College of Technology, Coimbatore, 11-12 Dec, 2003.</p> <ul style="list-style-type: none"> • S. S. Gill et al., “Optical fiber sensors in instrumentation”, <i>National Seminar on Cutting Edge Technologies in Electronic Communications, CETEC-2004</i>, SLIET, Longowal, March 14, 2004. • S.S. Gill et al., “ NN for Hand written Punjab Characters Recognition, “ <i>IEEE National Conference on Application intelligent System (AIS-2008)</i>, Hindu College of Engineering, Sonapat, Haryana, 13-15 March, 2008. • S.S.Gill et al., “Effect of pitch modification on the quality of the Alarganeal speech using harmonic pulse noise model.”, <i>National Conference on Modern Trends in Electronics & Communication System, (MTECS-08)</i>, Aligarh Muslim University, March 8-9, 2008. • S. S. Gill et al., “ Handover Analysis of Standard IPV 6 based mobile networks with change in Propagation delay”, <i>National Conference IDEA 07</i>, BGIET, Sangrur, March 2-3, 2007 • S. S. Gill et al., “ Effect of Propagation delay on session continuity during handover in mobile networks built with IPV6”, <i>National Conference on Design Techniques for Modern Electronics Devices , VLSI & Communication Systems (DTVC-2007)</i> , NIT, Hamirpur, May 14-15, 2007 • S.S. Gill. “Comparative Review of Classical Algorithm & Genetic Algorithms for VLSI Partitioning“, <i>National Conference on design techniques for Modern electronics</i>
--	--	--	--

			<p>Devices, VLSI & Communication System (DTVC-2007), NIT, Hamirpur, May-14-15, 2007, pp 31-38</p> <ul style="list-style-type: none"> • S. S. Gill et al., “ Neural Networks of Indian Currency exchange rate forecasting, “ National Conference on Electronics Circuits & Communication System, Feb 9-10, 2006, TIET, Patiala • S.S. Gill, “ Hardware Implementation of Linear Prediction Coefficient Algorithm “, National Conference on Advancements in modeling and simulation (AIMS 2006) LLRIET, Moga 20-21 Jan, 2006. • S. S. Gill et al., “ FPGA Implementation of 32 Bit multiplier for floating point of number “, Recent Advances in Electronics & Communication Technology (RAECT-08), 9-10 Nov, 2006 • S. S. Gill et al., “Partitioning in VLSI Design: An ant colony optimization Approach”, <i>Trends in VLSI & Embedded Systems</i>, 2008, pp.72-78. • S.S. Gill et al., “Genetic Algorithm for solving Economic Dispatch Problems in Power Systems.” , <i>National Conference on Bio information Computing</i>, TIET, Bhaddal, 18-19 March, 2005, pp 138-143 • S. S. Gill et al., “Modeling and Analysis if Interconnect on wafer,” <i>Futuristic Trends in Engineering and Technology</i>, 28-29 Jan, 2008, JNCH Devi Lal Memorial College of Engineering, Sirsa. pp 319-321. • S.S.Gill, “ Genetic Alogorithm for solving Economic Dispatch Problems in Power Systems.” , National Conference on Bio information Computing, TIET, Bhaddal, 18-19 March, 2005, pp
--	--	--	---

			<p>138-143</p> <ul style="list-style-type: none"> • S.S. Gill , “ Performance analysis of spatial domain methods for edge detection” , National Conference on Advancements in Modeling and simulation (AIMS-2006), LLRIET, Moga, Jan-20-21, 2006. • S.S. Gill ,” Optical Character recognition using beck propagation algorithm”, National Conference on communication and Computational Techniques: Current and Future Trends (NCCT-06), DIT, Degradun, Feb 10-11, 2006. • S.S. Gill , “ Optical fibre Sensors: A new leap in Instrumentation “ , National Conference on Current and future Trends (NCCT-06) DIT, Dehradun, Feb 10-11, 2006. • S. S. Gill et al., “Adaptive Beam former in modern communication systems,” National Conference on Recent Advances in Communication and Electronics, 27-28 Jan. 2012. • S. S. Gill et al., “Effect of Hormonal changes during menstrual cycle on the speech parameters,” UGC sponsored National Seminar on Wireless Communication and Networks, SMDVU, 24-25 March 2012. • S. S. Gill et al., “Approaches to Adaptive algorithms,” Proc. of National Conference on Recent Advances in Communication and Electronics, 27-28 Jan. 2012. • S. S. Gill et al., “Relative study of simulation parameters of carriers through single wall carbon nano-tubes”, 1st National Conference on challenges in Emerging computational Technologies, CECT 10, RBIET, Mohali, April 9-10,2010. • S. S. Gill et al., “Partitioning in VLSI
--	--	--	---

			<p>Design: An ant colony optimization Approach”, Trends in VLSI & Embedded Systems, July 2008, pp.72-78.</p> <ul style="list-style-type: none"> • S. S. Gill et al., A Gupta, M Verma, “ Design & modeling of Variable Capacitor for MEMS Technology “, Proceedings of the 2nd Communication Technology , HCTM, Kaithal, India. 14015 May 2010, paper no. ECE-01. • S.S. Gill et al., “Routing in VLSI Circuit Design –A Review”, Proc. Of Second National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-11) during March 4-5, 2011, ISBN No: 978-93-80697-72-7. • S. S. Gill et al., “Investigation in Dictionary attacks on Cellular security,” <i>National Conference on Recent Approaches for the Development of Higher Technical Education towards Economic Growth of the Country</i>, Sept. 9, 2011. • S.S. Gill et al., “Crystal Growth Techniques in Integrated circuit fabrication”, Proc. Of Second National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-11) during March 4-5, 2011, ISBN No: 978-93-80697-72-7. • S.S. Gill et al., “Circuit partitioning using Neural Networks” Proc. Of Second National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-11) during March 4-5, 2011, ISBN No: 978-93-80697-72-7. • S.S. Gill et al., “Image Restoration Techniques: A Review” Proc. Of
--	--	--	--

			<p>Second National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-11) during March 4-5, 2011, ISBN No: 978-93-80697-72-7.</p> <ul style="list-style-type: none"> • S.S. Gill et al., "Electrocardiogram signal compression using orthogonal Transform." Proc. Of Second National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-11) during March 4-5, 2011, ISBN No: 978-93-80697-72-7. • S.S. Gill et al., "Modeling and Analysis of Interconnect on Wafer", National conference on Recent Advances in Innovative Material, 16-17 feb, 2008, NIT, Hamirpur. • S.S.Gill et al., "Neural Networks for Handwritten Punjabi Character Recognition", IEEE National Conference on AIS, 13-15 March, 2008, Hindu College of Engineering, Sonapat. • S.S.Gill et al., "Modeling and Analysis of Interconnects on Wafer", Futuristic Trends in Engineering and Technology, 28-29 Jan, 2008. JNCH Devi Lal Memorial College of Engg., Sirsa. • S.S.Gill et al., "Multi-Objective Approach for Power, Delay Optimization Using GA ", in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • S.S.Gill et al., "A Review of Optimization Techniques for VLSI Floorplanning ", in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013.
--	--	--	---

			<ul style="list-style-type: none"> • S.S.Gill et al., “A Review on Network on Chip: An On-Chip Interconnection Network”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013. • S.S.Gill et al., “Silicon Nanowire Double Gate FETs & Its Applications: A Review”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013. • S.S.Gill et al., “Performance of the InAlAs/InGaAs HEMT with different gate lengths and their use in wave application: A Review”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013. • S.S.Gill et al., “A Review on FinFET Characterstics and its Applications”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013. • S.S.Gill et al., “A Review on Leakage Power Control Techniques in VLSI”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • S.S.Gill et al., “PERFORMANCE EVALUATION OF MIMO SYSTEMS WITH DIFFERENT MODULATION TECHNIQUES”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-
--	--	--	--

			<p>22,2013.</p> <ul style="list-style-type: none"> • S.S.Gill et al., “Various Design Methodology for Industrial Process Controller—A Review ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013. • S.S.Gill et al., “ Performance Analysis of Variable Step Size Least Mean Square Algorithms”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013. • S.S.Gill et al., “ Design of Low Pass FIR Digital Filter using Genetic Algorithms ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013. • S.S.Gill et al., “Implementation of Adaptive Beamformer with FFT for Noise Suppression ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013.
5.	Pf. Narwant Singh Grewal	International Journal	<ul style="list-style-type: none"> • Narwant Singh et al.,” Parametric Investigation of a Fractal Antenna on Mushroom Type Ground Plane “, International journal of Advanced Engineering Sciences and Technologies, Vol.9, No. 1, August, 2011:25-30. • Narwant Singh et al.,” Investigation of DWDM System for Different Modulation Formats ,”IOSR Journal of Engineering , Vol. 2 issue 1,Jan 2012,pp. 111-117. • Narwant Singh et al.,” NRZ versus

			<p>RZ in 136X10 Gbps DWDM System”, International Journal of Scientific & Engineering Research, Vol. 3,issue 7,July 2012,pp.1-3.</p> <ul style="list-style-type: none"> • Narwant Singh et al., “A Linear Antenna Array Failure Correction Using Firefly Algorithm”, Progress In Electromagnetics Research, Vol. 27, pp. 241-254, December 2012. ISSN: 1937-8726
		National Journal	<ul style="list-style-type: none"> • Narwant Singh et al., “Microcontroller based portable instrument for determination of nickel in edible oils”, Vol 67, pp 132-135, February 2008, Journal of scientific and Industrial Reference. • Narwant Singh et al., Implementaion of Cyclic redundancy code” Lab Experiments,Vol.-6,No. ,June,2006:118-127 • Narwant Singh et al., ”Design and Optimization of Aperture Coupled Rectangular microstrip Antenna using Simulated Annealing,” Journal of institution of Engineers(india)-Electronics and Telecommunication,Vol.92,July 2011:18-21

		INTERNATIONAL CONFERENCE	<ul style="list-style-type: none"> • Narwant Singh et al., "Optimization of gain and impedance of Yagi-Uda antenna using simulated annealing" International Conference on applied Electromagnetic and Communication, Dubrovnik, Croatia, 24-26 September, 2007. • Narwant Singh et al., "Design of a Yagi-Uda antenna by simulated annealing for gain, impedance and FBR" International Conference ICTES, 2007, Dr MGR university Chennai, Dec 20-22, 2007, 974-979. • Narwant Singh et al., "A hybrid approach based broadcast algorithm in wireless ADHOC networks" in Proceedings of IRAJ International Conference, Pune, 65-68, 10 August, 2013 (ISBN:978-93-82702-25-2).
		NATIONAL CONFERENCE	<ul style="list-style-type: none"> • Narwant Singh et al., "An effect of adaptive modulation over fading channels for power limited systems" National conference on RAECT-06,GNDEC Ludhiana ,9-10 Nov,2006:354-357 • Narwant Singh et al., "A novel approach to implement MQAM scheme for fading channel" National conference on RAECT-06,GNDEC Ludhiana ,9-10 Nov,2006:358-361 • Narwant Singh et al., "Minimizing PMD in cabled fibers" National conference on RAECT-06,GNDEC Ludhiana,9-10 Nov,2006:365-367 • Narwant Singh et al., "Simulated annealing for engineering optimization", National conference on RAECT-06,GNDEC Ludhiana,9-10 Nov,2006:174-176 • Narwant Singh et al., "A parametric investigation of RFID scanner Antenna ", Second National

			<p>conference on RAECT-11,GNDEC Ludhiana,33-36 4-5 March,2011(ISBN: 978-93-80697-72-7)</p> <ul style="list-style-type: none"> • Narwant Singh et al. ,“Cryptography Algorithms used for data security”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013. • Narwant Singh et al. ,“High Speed ALU Design Using Ancient Vedic Mathematics ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013. • Narwant Singh et al, “A comparative study of digital IIR filter design using optimization techniques” Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13), GNDEC Ludhiana, 747-754, 21-22 March, 2013(ISBN: 978-81-923777-4-2). • Narwant Singh et al, “Design of multiband c-shaped microstrip patch antenna” Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13), GNDEC Ludhiana, 578-582, 21-22 March, 2013(ISBN: 978-81-923777-4-2).
6.	Pf. Balwinder Singh Dhaliwal	Int. Journal	<ul style="list-style-type: none"> • B.S.Dhaliwal et al., “Design of Fault Tolerant Full Adder/Subtractor Using Reversible Gates” published a paper in International Conference on Computer Communication and Informatics (ICCCI 2012), at Coimbatore during January 10-12, 2012. • B.S.Dhaliwal et al. ,“Energy Conservation for Wireless Sensor

			<p>Networks”, published a paper in International Conference on Sports Biomechanics, Emerging Technologies & Quality Assurance in Technical Education, at PPU Hisar, March 17 – 18, 2012, pp 174 – 179</p> <ul style="list-style-type: none"> • Anand Rohit , B.S. Dhaliwal, Sindhwani Nidhi “Fluent Digits Perception using Digit-by-Digit Dynamic Time Warping Algorithm”, International Journal of Pure and Applied Matematika Sciences, Vol. LXIX, No. 1-2, March 2009, pp 65- 71. • Anand Rohit , Balwinder Singh, Nidhi Sindhwani“Speech Perception & Analysis of Fluent Digits’ Strings Using Level-By-Level Time Alignment”, International Journal of Information Technology & Knowledge Management Vol. 2, No. 1, June 2009, pp 65- 68. • Harpreet Kaur, B.S. Dhaliwal, “Design of FIR Filter Using Radial Basis Function ANN” accepted for publication in International Journal of Information Science & Application, 20-21 Nov, 2010.
		NATIONAL JOURNALS	<ul style="list-style-type: none"> • Jagga Shafali, V.K. Lamba, B.S. Dhaliwal, N.K. Agarwal, “Design And Study Of MEMS Based Capacitive, Piezoresistive And Piezoelectric Sensors”, Accepted For Publication In Journal Of Engineering, Management & Pharmaceutical Sciences. • B.S.Dhaliwal et al., “The Security Implication of Open Source Software” Journal of IPM Meerut, volume 402, December, 2005, Pp. 33-39.

		INTERNATIONAL CONFERENCE	<ul style="list-style-type: none"> • B.S.Dhaliwal et al., “Design of Fault Tolerant Full Adder/Subtractor Using Reversible Gates” published a paper in International Conference on Computer Communication and Informatics (ICCCI 2012), at Coimbatore during January 10-12, 2012. • B.S.Dhaliwal et al. ,“Energy Conservation for Wireless Sensor Networks”, published a paper in International Conference on Sports Biomechanics, Emerging Technologies & Quality Assurance in Technical Education, at PPU Hisar, March 17 – 18, 2012, pp 174 – 179 • Pradeep Kumar Gaur, B.S. Dhaliwal, Ameeta Seehra, “Structure of power saving multicast routing protocols in Wireless Adhoc Networks-An event driven layered approach”, International conference on Wireless Networks & Embedded Systems at CIET, Rajpura on October 18-19, 2008, pp. 154-155. • Pradeep Kumar Gaur, B.S. Dhaliwal, Seehra Ameeta, “Analysis of Power Saving Multicasting Routing Applications for Mica2 Motes-An event based MATLAB Implementation”, IEEE International Conference on Multimedia, Signal Processing and Communication Technologies (IMPACT-2009) at Aligarh Muslim University, Aligarh on 14th - 16th March, 2009, pp 109-112. • B.S. Dhaliwal, S.S. Pattnaik, S. Devi, “Design of Sierpinski Gasket Fractal Patch Antenna Using Artificial Neural Networks”, IASTED International Conference on Antennas, Radar and Wave Propagation (ARP-2009), at Banff, Alberta, Canada on July 06 to July
--	--	--------------------------	--

			<p>08, 2009, pp. 76-78.</p> <ul style="list-style-type: none"> • Isha Verma, Pooja Arora, B.S. Dhaliwal, "Design for Multi-band Fractal Patch Antenna with Planar Edge Feed", International Conference on wireless Networks & Embedded Systems (WECON 2009), at Chitkara Institute of Engineering and Technology, Rajpura, Punjab during October 23 to October 24, 2009. Pp 245-248. • B.S. Dhaliwal, S.S.Pattnaik, S.Devi, C.S.Vidyasagar, "Elliptical Fractal Patch Antenna for Dual Band Operation", International Symposium on Microwave and Optical Technology (ISMOT 2009), at Hotel Ashok, New Delhi, India from December 16 - 19, 2009. • Sheenu Thapar, Vikram Chopra, B.S. Dhaliwal, "Design of low pass FIR Filter using ANN", accepted for publication in IEEE International Conference on Advanced Computing & Communication Technologies", at Asia Pacific institute of Information Technology, SD, India, to be held on October 30, 2010. • Harpreet Kaur, B.S. Dhaliwal, "Design of FIR Filter Using Radial Basis Function ANN" accepted for publication in International Conference on Technology and Information systems (ICTIS) at DAV College Amritsar, India, to be held during November 20 – 21, 2010. • Poonam Chaudhary, B.S. Dhaliwal, Nirmal Singh Grewal, "Convolutional Code Encoder Design using Particle Swarm Optimization", accepted for publication in International Conference for Future Challenges in Wireless Communications, Optical Communications and
--	--	--	--

			<p>Networks organized by The Institution of Engineers (India) during November 27 – 29, 2010.</p> <ul style="list-style-type: none"> • Harpreet Kaur, B.S. Dhaliwal, “Design of low pass FIR Filter using Artificial Neural Networks”, accepted for publication in IEEE International Conference on Computer and Automation Engineering, at Chongqing, China, to be held during January 21 - 23, 2011. • Jasmine Kaur Boparai, B.S. Dhaliwal, “The Role of Emotional Intelligence in human machine interaction”, Proceedings of the International Conference on Science and Engineering (ICSE 2011), organized by R.G. Education Society (Regd.), Rohtak during January 21 - 23, 2011. • Pooja Arora, B.S. Dhaliwal, “Parameter Estimation of Dual Band Elliptical Fractal Patch Antenna using ANN” International Conference on Devices and Communications (ICDeCom 2010), organized by Birla Institute of Technology, Mesra, Ranchi, India during February 24 - 25, 2011. • Jasmine Kaur Boparai, B.S. Dhaliwal, “Emotional Intelligence: Revolutionizing the Future Machine World”, Proceedings of the International Conference for Upcoming Engineering (ICUE 2011), organized by Ryerson University, Toronto, Canada on May 5, 2011. • B.S.Dhaliwal et al., “Speech Recognition of Fluent(Connected) Digits using DTW Algorithm & Level-Building Approach”, International conference on Intelligent Systems & Networks at Institute of Science and Technology, Klawad, Jagadhri on
--	--	--	--

			<p>Feb 22 – 24, 2008.</p> <ul style="list-style-type: none"> • B.S.Dhaliwal et al., “Structure of power saving multicast routing protocols in Wireless Adhoc Networks-An event driven layered approach”, International conference on Wireless Networks & Embedded Systems at CIET, Rajpura on October 18-19, 2008, pp. 154-155.
		NATIONAL CONFERENCE	<ul style="list-style-type: none"> • Emerging Wireless Communication Technology : Bluetooth”, National Seminar on “Mobile Communications”, C.V. Raman College of Engineering, Bhubaneshwar 31st Oct.-1st Nov.,2003. • B.S.Dhaliwal et al., “Bluetooth Technology – An Overview”, National Conference on “Embedded Communication Systems and Networks”, IET, Bhaddal 31st Oct -1st Nov., 2003. Pp. 13- 15. • “Role of Artificial Intelligence in Automated Diagnosis”, National Conference on “Mathematical and Computational Models”, PSG College of Technology, Coimbatore, 11-12th Dec., 2003. • “Open Source Software Security Implications”, National Conference on System Modelling and Simulation at IET, Bhaddal, 11-12th Dec., 2003. • B.S.Dhaliwal et al., “State Variable Filter Design for Audio Signal Control”, National Conference on “Trends in Instrumentation and Control Engineering”, Thapar Institute of Engineering and technology, Patiala, 5-6th Feb., 2004. • “Optical Fibre Sensors in Instrumentation”, National Seminar on Cutting Edge Technologies in Electronics

			<p>Communications, SLIET, Longowal, 14th March, 2004.</p> <ul style="list-style-type: none"> • B.S.Dhaliwal et al., “Security & Survivability Aspects of Intelligent Systems”, National Conference on Advancement in Modeling & Simulation” at LLRIET, Moga on Jan 20-21, 2006. PP 67-69. • B.S.Dhaliwal et al., “Dynamic Modelling of Line Commutated Converter” National Conference On Information & Emerging Technologies at IET Bhaddal on 17th- 18th February, 2006, pp 278-280. • B.S.Dhaliwal et al., “FPGA Implementation of 32-Bit Multiplier for Floating Point Numbers”, National Conference on Recent Advances in Electronics and Communication Technology at GNDEC, Ludhiana on Nov 9-10, 2006, pp. 151-152. • B.S.Dhaliwal et al., “Feed Point Estimation of Rectangular Microstrip Patch Antenna using GRNN-BFO Hybrid Algorithm”, published a paper in National Conference on Advances in Video, Cyber Learning and Electronics at NITTTR, Chandigarh on March 01 – 02, 2012. • B.S.Dhaliwal et al., “Design of Fault Tolerant Adder/Subtractor with reversible Gates”, published a paper in National Conference on Advances in Video, Cyber Learning and Electronics at NITTTR, Chandigarh on March 01 – 02, 2012. • B.S.Dhaliwal et al., “PSO and Its Variants: A Review”, published a paper in National Conference on Advances in Video, Cyber Learning and Electronics at NITTTR, Chandigarh on March 01 – 02, 2012. • B.S. Dhaliwal, “Design of 32-bit Floating-point Adder using VHDL”, National Conference on Recent Trends
--	--	--	--

			<p>in Computer & IT at BCET, Gurdaspur on August 16, 2008. Pp 177-179.</p> <ul style="list-style-type: none"> • B.S. Dhaliwal, S.S.Pattnaik, S. Devi, "A Dual-Band Crown Circular Fractal Patch Antenna", IEEE National Conference on Wireless and Optical Communication (WOC-2008) at PEC, Chandigarh on December18-19, 2008, pp. 11-13. • B.S. Dhaliwal, Isha Verma, "Review of Fractal Geometry and its applications in Antenna Design", IEEE National Conference on Wireless and Optical Communication (WOC-2008) at PEC, Chandigarh on December18-19, 2008. Pp 55-59. • Pradeep Kumar Gaur, B.S. Dhaliwal, Ameeta Seehra, "Analysis of Power Saving Multicasting Routing Protocols in Wireless Adhoc Networks-A MATLAB Based Approach", IEEE National Conference on Wireless and Optical Communication (WOC-2008) at PEC, Chandigarh on December18-19, 2008, pp. 21-28. • B.S. Dhaliwal, S.S. Pattnaik, S. Devi, "Estimation of Rasonant Frequencies of Elliptical Fractal Patch Antenna using Artificial Neural Networks", National Conference on Advances in Video, Cyber Learning and Electronics, (ADVICE-2010), at NITTR, Chandigrah, during 18th -19th Feb, 2010, pp. 210-203. • Isha Verma, B.S. Dhaliwal, "CPW Fed Dual Band Elliptical Patch Antenna", National Conference on Communications & Networking (NCCN 2010) at SLIET, Longowal, March 12 – 13, 2010. Pp 14-16. • Isha Verma, B.S. Dhaliwal, "Multiple Bands Elliptical Fractal Patch Antenna with Different Planar Feeds", National Conference on Advances in Digital Signal Processing (NCADSP-2010) at Chitkara Institute of Engineering and Technology, Rajpura, October 22 – 23,
--	--	--	--

			<p>2010. pp. 123 – 126.</p> <ul style="list-style-type: none"> • Jasmine Kaur Boparai, B.S. Dhaliwal, “Application of Emotional Intelligence in Machine Interfaces”, National Conference on Recent Advances in Electronics and Communication Technology at GNDEC, Ludhiana during March 4 – 5, 2011. • Sheenu Thapar, B.S. Dhaliwal, “A Low Pass FIR Filter Design Using Artificial Neural Network National Conference on Recent Advances in Electronics and Communication Technology at GNDEC, Ludhiana during March 4 – 5, 2011. • Monika, Jaspreet Kaur, B.S. Dhaliwal, “Different Microstrip Antennas at 2.4GHz”, National Conference on Recent Advances in Electronics and Communication Technology at GNDEC, Ludhiana during March 4 – 5, 2011. • B.S. Dhaliwal, S.S. Pattnaik, S. Devi, “Calculation of Optimized Side-length of Sierpinski Gasket Multiband Fractal Antenna Using Genetic Algorithms”, National Conference on Recent Advances in Electronics and Communication Technology at GNDEC, Ludhiana during March 4 – 5, 2011. • Poonam Chaudhary, B.S. Dhaliwal, “PSO Based New Approach to Design Convolutional Code”, National Conference on Recent Advances in Electronics and Communication Technology at GNDEC, Ludhiana during March 4 – 5, 2011. • Shafali Jagga, B.S. Dhaliwal, V.K. Lamba, “Design and Comparison of Micromachined Electromagnetic and Piezoelectric Pressure Sensors”, National Conference on Recent Advances in Electronics and Communication Technology at GNDEC, Ludhiana during March 4 – 5, 2011.
--	--	--	---

			<ul style="list-style-type: none"> • B.S.Dhaliwal et al., “Connected Digits Recognition Using Frame-by-Frame Dynamic Time Warping Algorithm”, National Conference on Advances in Video, Cyber Learning and Electronics” at NITTTR, Chandigarh on March 20 – 21, 2008. • B.S.Dhaliwal et al., “Estimation of SNR of a Realistic Inter-user Channel for Mobile Communication”, National Conference on Advances in Video, Cyber Learning and Electronics” at NITTTR, Chandigarh on March 20 – 21, 2008. • B.S.Dhaliwal et al. , “High speed , low power FIR filter design : Review”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • B.S.Dhaliwal et al., “Overview of Reversible Logic Gates ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013. • B.S.Dhaliwal et al. , “Design of circular fractal patch antenna for Wi-Max applications ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • B.S.Dhaliwal et al. , “PERFORMANCE EVALUATION OF MIMO SYSTEMS WITH DIFFERENT MODULATION TECHNIQUES ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • B.S.Dhaliwal et al. , “Performance Analysis of Variable Step Size Least Mean Square Algorithms ”, in Third National Conference on Recent Advances in Electronics and
--	--	--	---

			<p>Communication Technologies (RAECT-13) during March 21-22,2013</p> <ul style="list-style-type: none"> • B.S.Dhaliwal et al. , “Review of Linear Phase Low Pass Filter Using Optimization Techniques ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013.
7.	Dr. Munish Rattan	INTERNATIONAL JOURNALS	<ul style="list-style-type: none"> • Optimization of Gain, Impedance and Bandwidth of Yagi Uda array using Particle Swarm Optimization, International Journal of Antennas and Propagation, 2008 , Article ID 193242, pp. 1-4 • Removal of Speckle noise from eye images through BFO, International Journal of Advanced Engineering and Technology IJAET/Vol.II/ Issue I/January-March 2011/112-119, • A Comprehensive performance analysis of mobile adhoc routing protocols under high data rate traffic and hi definition video conferencing, International Journal of Advanced Engineering Technology, IJAET/Vol.III/ Issue II/April-June, 2012/87-91 • Analysis of various quality metrics for medical image processing, International Journal of Advanced Research in Computer science and software Engineering, Nov. 2012, pp. 137-144 ISSN: 2277 128X • An improved ACO based method for edge detection , International Journal of Computing and Corporate research , Vol. 2, no. 5, 2012, ISSN: 2249 054X • Munish Rattan et al., “Optimization of Cognitive radio system using simulated annealing”, Wireless Personal Communications , DOI: 10.007/s11277-0120874-1, Volume

			<p>71, <u>Issue 2</u>, pp 1283-1296, July 2013,</p> <ul style="list-style-type: none"> • Biogeography based optimization of cognitive radio system , 2013. <p>DOI:10.1080/00207217.2013.769183, International Journal of Electronics.</p> <ul style="list-style-type: none"> • Munish Rattan et al., “Design of a linear array of half wave parallel dipoles using Particle Swarm Optimization”, Journal of Progress in Electromagnetic Research, Vol 2, pp. 131-139, july 2008. • Munish Rattan et al., “Design of circular antenna arrays using particle swarm optimization”, Cambridge University Press: International Journal of Microwave and Wireless Communication Vol.1 (5), pp. 441-446, Dec 2009. • Munish Rattan et al., “Design of Yagi Uda antenna using Particle swarm optimization”, International Journal of Applied Electromagnetics and Mechanics, Published by the IOS Press, The Neterlands, Jun 2011. • Munish Rattan et al.,”Optimization of Yagi Uda antenna using stimulated annealing”, journal of electromagnetics, Taylor and Francis, Vol 22, Issue 2-3, 2008 • Munish Rattan et al., “Antenna Array Optimization using Evolutionary Approaches” Journal of Apeiron, Vol.15,no.1, January 2008, pp.78-92
		<p>NATIONAL JOURNAL</p>	<ul style="list-style-type: none"> • Munish Rattan et al., “Implementation of Cyclic redundancy code” Lab Experiments, Vol.-6, No. 2, June, 2006:118-127 • Munish Rattan et al., “A new wavelet based algorithm for image denoising and compression”, Journal of

			<p>multidisciplinary technologies BVCOE, New Delhi, Dec. 2006.</p> <ul style="list-style-type: none"> • Munish Rattan et al., “Measurement of radiation characteristics of a pyramidal horn antenna”, Journal of lab experiments, vol.7, no.1, March 07. • Munish Rattan et al., “Design of Yagi-Uda antenna using Genetic Algorithm employing radii perturbations”, Journal of Multi Disciplinary Engg. Technologies, BVCoE, New Delhi, Vol. 2, No.2,53-59. 2008 • Munish Rattan et al., “Design of Linear antenna arrays for minimum sidelobe level and null control using Simulated Annealing”, Journal of IE(I) Published, Vol. 90, July 2009, pp. 37-40 • Munish Rattan et al., “broadbanding and minimization techniques for square patch antenna” IETE Journal of Research Vol. 56, Issue 2,pp. 88-93,May 2010. • Munish Rattan et al., “A implementation of PSO in VHDL”, Journal of Lab Experiments, Banglore, Jun 2011.
		INTERNATIONAL CONFERENCE	<ul style="list-style-type: none"> • Direction of Arrival estimation and beamforming in smart sensors”, International conference on Wireless networks and embedded systems, 18-19 Oct., 2009. • Performance Analysis of DCT, SVD and SPIHT for image compression based on standard deviation, International Conference on Communications & Electronics Krishna Institute Of Engineering & Technology, Ghaziabad Department Of Electronics & Communication Engineering (Icce-2012) Held On Oct. 19,2012. • Spectrum Aware Mesh Routing in Cognitive Radio Networks, International Conference on Advancements in Engineering &

			<p>Technology (ICAET-2012) held at BGIET, Sangrur, Punjab, India. Oct.12-13,2012 pp. 559-562.</p> <ul style="list-style-type: none"> • Rattan, M. and Jain, Neelu , “A New efficient algorithm for image denoising and compression for noisy and noiseless images”, International Conference on “Emerging Technologies-2004”, KIIT, Bhubaneswar, 21-24 Dec. 2004. • Rattan,M., Patterh ,M.S., Sohi, B.S., “Optimal Synthesis of Sparse Antenna Arrays using effective aperture methods”, Asian Conference on Intelligent Systems and Networks, HEC Jagadhari, Feb 24-25, 2006. • Rattan,M. , Singh,K. “Security challenges in Wireless networks”, International conference ICCOIT, PCTE Baddowal, 05. • Rattan,M., Patterh ,M.S., Sohi, B.S., “Synthesis of aperiodic linear antenna arrays using Genetic Algorithm”, IEEE International Conference – ICECOM 2007, held in Croatia. • Rattan,M and Paramvir Kaur , “Performance evaluation of JPEG2000 for medical images”, Asian Conference on Intelligent Systems and Networks, Feb 24-25, 2006. • Wireless fidelity; a technology for wlan”, iccoit, pcte baddowal, 2005. • Design of Yagi Uda antenna for gain, Impedance and FBR”, IET-UK International conference on Information and communication Technology in electrical sciences,
--	--	--	--

			<p>held in Chennai, Dec, 20-22, 2007 PP 974-979.</p> <ul style="list-style-type: none"> • Optimization of gain and impedance of Yagi uda antenna using stimulated annealing” IEEE international conference ICECom 07, held in Croatia. 24-26 Sept, 2006. • Munish Rattan et al., “Synthesis of aperiodic linear antenna arrays using Genetic Algorithm”, IEEE International Conference – ICECOM 2007, held in Croatia. • Munish Rattan et al., “Design of Yagi Uda antenna for gain, Impedance and FBR”, IET-UK International conference on Information and communication Technology in electrical sciences, held in Chennai, Dec, 20-22, 2007 PP 974-979. • Munish Rattan et al., “Optimization of gain and impedance of Yagi-Uda antenna using simulated annealing” International Conference on applied Electromagnetic and Communication, Dubrovnik, Croatia, 24-26 September, 2007. • Munish Rattan et al., “Design of a Yagi-Uda antenna by simulated annealing for gain, impedance and FBR” International Conference ICTES, 2007, Dr MGR university Chennai, Dec 20-22, 2007, 974-979.
		<p>NATIONAL CONFERENCE</p>	<ul style="list-style-type: none"> • “Image Denoising by Wavelet based techniques”, National Conference WNES-2006. • Munish Rattan et al., “Optimization of S/N ratio of avalanche photodiode using genetic algorithm”, National Conference TECHNOLOGIA -2007 at Chhatisgarh , held on 2-3 March 2007, pp. 330

			<ul style="list-style-type: none"> • Munish Rattan et al., "Information retrieval using soft computing techniques", National Conference on "Bioinformatics", TIET Patiala, 17-18 March, 2005. 334. • Rattan, M. "Performance analysis of spatial domain methods for edge detection", national conference on communication and computational Techniques (NCCT-06) PP. 206-212. • Rattan, M., "Genetic algorithms for engineering optimization", national conference on communication and computational Techniques (NCCT-06) PP 246-249. • Rattan, M, "Institutions for a sustainable civilization: Negotiating change in a Technological culture", National Conference on "Technical education in globalised environment", SBBSIET Jalandhar, Feb. 25-26, 2005 • A New Shrinkage Rule for Wavelet Based Image Denoising", National Conference on Intelligent Systems and Networks", H.E.C. Jagadhari, Feb. 27-28, 2004 • Implementation and performance evaluation of a subband adaptive technique for image denoising", National Conference "RTCS-04", BBSBEC Fatehgarh Sahib, May 21-22, 2004. • Smart antenna technology for mobile communication", National Conference on "Issues and Trends in wireless networks-04", TIET, Patiala, Dec. 17-18, 2004.
--	--	--	---

			<ul style="list-style-type: none"> • Free Space Optical wireless Communication: A review”, National Conference on “Issues and Trends in wireless networks-04”, TIET, Patiala, Dec. 17-18, 2004. • Digital Signal Processors for Mobile Communication”, National symposium on “Networking and Mobile communication” , PEC Chandigarh, 5-6 Sept. 2003. • High Speed Optical wireless communication”, National symposium on “Networking and Mobile communication” , PEC Chandigarh, 5-6 Sept. 2003. • Simulated annealing for engineering optimization” in National conference RAECT-06, GNDEC, Ludhiana held on 9-10 Nov, 2006. • Munish Rattan et al., “Versatility of Fuzzy Logic in Designing an intelligent system”, Second National conference on Recent Advances in electronics and Communication Technologies, RAECT-11. March 4-5, 2011, GNDEC Ludhiana. • Munish Rattan et al., “An approach to direct amplification: An optical amplifier”, Second National conference on Recent Advances in electronics and Communication Technologies, RAECT-11. . March 4-5, 2011, GNDEC Ludhiana • Munish Rattan et al., “Review of image enhancement using GA and PSO” Second National conference on Recent Advances in electronics and Communication Technologies, RAECT-11. . March 4-5, 2011, GNDEC Ludhiana
--	--	--	---

			<ul style="list-style-type: none"> • Munish Rattan et al., “An optical CDMA: A review” Second National conference on Recent Advances in electronics and Communication Technologies, RAECT-11. . March 4-5, 2011, GNDEC Ludhiana • Munish Rattan et al., “Wavelet based image denosing by adaptive thrsholding technique” National conference ETEECE, SUSCET Tangori. • Munish Rattan et al. , “Automation of HDL and C++ Code Generation for Pipelined and Multiplier Free 2D-CWT Image Compression Algorithm ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • Munish Rattan et al. , “LOW POWER TIQ FLASH A/D CONVERTER ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • Munish Rattan et al. , “A Review on VLSI Interconnect ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • Munish Rattan et al. , “A Review of Cognitive Radio Spectrum Sensing Techniques ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • Munish Rattan et al. , “IMAGE SEGMENTATION AND OBJECT EXTRACTION USING BINARY PARTITION TREE & ANT COLONY OPTIMIZATION ”, in Third National
--	--	--	--

			<p>Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013</p> <ul style="list-style-type: none"> • Munish Rattan et al. , “Review Article on Wavelet Based Still Image Compression Techniques ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • Munish Rattan et al. , “Patch antenna array and their applications ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • Munish Rattan et al. , “Proximity Coupled Patch Antenna and its Applications ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • Munish Rattan et al. , “Study of Dynamic Power Management Techniques for Low-Power Embedded Systems ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 •
8.	Prof. Baljeet Kaur	INTERNATIONAL JOURNAL	<ul style="list-style-type: none"> • S.K.Gorai, Dilip Kumar, Baljeet K, “Strain measurement in a Match-Zender fiber interferometer using Genetic algorithm”, Journal in Sensors and Actuators A physical 122(August 2005) 215-221, Elsevier. • Baljeet Kaur et. al.,”Performance Enhancement with square root

			<p>module for WDM ROF-EPON link at Science direct OPTIC,27th feb,2012.</p>
		INTERNATIONAL CONFERENCE	<ul style="list-style-type: none"> • Baljeet Kaur, Vinod Kapoor, Ajay Sharma, "Performance Investigations on Ethernet Passive Optical Networks (EPONs)" IEEE International Advance Computing Conference (IACC 2009) Patiala, India, 6–7 March 2009, pp. 3066-306. • Baljeet Kaur, "Area Efficient Pulse Shaping Filters for Wireless Communication Systems", International Conference on Advanced Computing and Communication Technology (ACCT-11), Rohtak, 20-22 January, 2011. • Baljeet Kaur, "A simulation study on WDM ROF-EPON link in the presence of four wave mixing", International Conference at Las Vegas, USA, 2011
		NATIONAL CONFERENCE	<ul style="list-style-type: none"> • Baljeet Kaur, "Phase extraction techniques for fiber optic sensor" in National conference RAECT-06, GNDEC, Ludhiana held on 9-10 Nov, 2006, pp. 333-336. • Baljeet Kaur, "Optimization of S/N ratio of avalanche photodiode using genetic algorithm, National Conference TECHNOLOGIA-2007 at Chhattisgarh on 2-3rd march, 2007, pp 330-334. • Baljeet Kaur, "Wavelength Division Multiplexing, Advantages and Limits", National conference on RAECT-11 held on 4-5 March at GNDEC, Ludhiana.

			<ul style="list-style-type: none"> • Baljeet Kaur, “Optical System Component Design using Artificial Intelligence”, National conference on RAECT-11 held on 4-5 March at GNDEC, Ludhiana. • Baljeet Kaur, “Optical OFDM Systems and Applications”, National conference on RAECT-11 held on 4-5 March at GNDEC, Ludhiana. • Baljeet Kaur, “Evaluation of TCP in Mobile Ad Hoc Networks”, National conference on RAECT-11 held on 4-5 March at GNDEC, Ludhiana. • Baljeet Kaur.”Generation of ODSB & OSSB signal using Mach Zender Modulator” National Conference on Technology Advancement in Engineering, 2nd Nov, 2011 at IET, Bhaddal . • Baljeet Kaur et al. , “Systolic Array Architectures for FFT: A Review ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • Baljeet Kaur et al. , “Reduction of Cross Phase Modulation in SCM-WDM System ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • Baljeet Kaur et al. , “INTRODUCTION ON WDM-ROF OPTICAL NETWORK ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • Baljeet Kaur et al. , “PERFORMANCE & ANALYSIS OF SOLITONS IN OPTICAL DOMAIN ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013
--	--	--	--

9.	Pf. Harminder Kaur	National Conference	<ul style="list-style-type: none"> • Harminder Kaur et al. , “Evolution in Mobile Communication Technology- A Review ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • Harminder Kaur et al. , “Upgradation in Mobile Technology and its needs-A Review ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • Harminder Kaur et al. , “Policy Based Service Provisioning System for WiMAX Network ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • Harminder Kaur , “Dielectric Constant Measurements of Ba6-3xPr6+2xTi18O54 at Microwave Frequencies Range From 8GHZ - 12GHZ ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013
10.	Pf. Gurjot Kaur Walia	INTERNATIONAL CONFERENCE	<ul style="list-style-type: none"> • Gurjot kaur Walia et al., “Geographical Spatial Object Concepts in GIS” published a paper in International Conference Geomatrix’12 held at IIT Mumbai, 26th – 29th Feb, 2012.
		NATIONAL CONFERENCE	<ul style="list-style-type: none"> • Gurjot Kaur Walia et al., “Routing in VLSI Circuit Design –A Review”, Proc. Of Second National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-11) during March 4-5, 2011, ISBN No: 978-93-80697-72-7. • Gurjot Kaur Walia et al., “Image Restoration Techniques: A Review” Proc. Of Second National Conference

			<p>on Recent Advances in Electronics and Communication Technologies (RAECT-11) during March 4-5, 2011, ISBN No: 978-93-80697-72-7.</p> <ul style="list-style-type: none"> • Gurjot Kaur Walia et al, “A Review on Leakage Power Control Techniques in VLSI ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • Gurjot Kaur Walia et al. , “Evolution in Mobile Communication Technology- A Review ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • Gurjot Kaur Walia et al. , “Upgradation in Mobile Technology and its needs-A Review ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • Gurjot Kaur Walia et al. , “Policy Based Service Provisioning System for WiMAX Network ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013
	Pf. Navneet Kaur	INTERNATIONAL JOURNAL	<ul style="list-style-type: none"> • Navneet Kaur et al., “ Artificial Magnetic Conductor for Miniaturized Antenna Applications-A Review” published a paper in IJETAE, July 2012. • Navneet Kaur et al., “Investigation of Fast Switched CMOS Inverter using 180nm VLSI Technology” published a paper in International journal of computer applications, August 2012. • Navneet Kaur et al., “Design of First Order Sigma Delta Modulator of an oversampling ADC in CMOS VLSI” in International Journal of Emerging Technologies & Applications in Engg. Technology & Sciences (IJ-ETA-ETS),

			Dec. 2010.
		INTERNATIONAL CONFERENCE	<ul style="list-style-type: none"> • Navneet Kaur et al. "A Review on Hardware Software Codesign Approach for Circuit Partitioning" in International Conference on Wireless Networks and Embedded Systems (WECON 2011), 18th – 20th July, 2011. • Navneet Kaur et al. "Design of CMOS Inverter in 180nm Technology" in International Conference on Advancements in Engineering and Technology, October 12-13, 2012
		NATIONAL CONFERENCE	<ul style="list-style-type: none"> • Navneet Kaur et al., "Routing in VLSI Circuit Design –A Review", Proc. Of Second National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-11) during March 4-5, 2011, ISBN No: 978-93-80697-72-7. • Navneet Kaur et al., "Image Restoration techniques-A Review" in 2nd National Conference, RAECT-11 held at GNDEC, Ludhiana. • Navneet Kaur et al. , "Analysis of 6t CMOS SRAM cell in 180nm technology ", in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • Navneet Kaur et al. , "A Review on Devices beyond sub-22nm node ", in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • Navneet Kaur et al. , "A Review on FinFET Characteristics and its
11.			

			<p>Applications ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013</p> <ul style="list-style-type: none"> • Navneet Kaur et al. , “A Review on Leakage Power Control Techniques in VLSI ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • Navneet Kaur et al. , “A Review on VLSI Interconnect ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • Navneet Kaur et al. , “A Quicker Eye to the Future: 3nethra ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • Jasmeet Kaur, Prof. Navneet Kaur, Prof. Gurpurneet Kaur, “CMOS R-2R Digital to Analog Converter using 180nm technology”in journal of Lab experiment, Bangalore, 2012
	Pf. Gurpurneet Kaur	INTERNATIONAL JOURNAL	<ul style="list-style-type: none"> • Gupurneet Kaur, “Artificial Magnetic Conductor for Miniaturized Antenna Applications- A Review” published a paper in IJETAE, July 2012. • Gurpurneet Kaur, “Investigation of Fast Switched CMOS Inverter using 180nm VLSI Technology” published a paper in International journal of computer applications, August 2012. • Gurpurneet Kaur published a Paper on “Design of First Order Sigma Delta Modulator of an oversampling ADC in CMOS

			<p>VLSI” in International Journal of Emerging Technologies & Applications in Engg.Technology & Sciences (IJ-ETA-ETS), Dec. 2010.</p>
		INTERNATIONAL JOURNAL	<ul style="list-style-type: none"> • Gupurneet Kaur, “Artificial Magnetic Conductor for Miniaturized Antenna Applications-A Review” published a paper in IJETAE, July 2012. • Gupurneet Kaur, “Investigation of Fast Switched CMOS Inverter using 180nm VLSI Technology” published a paper in International journal of computer applications, August 2012. • Gupurneet Kaur published a Paper on “Design of First Order Sigma Delta Modulator of an oversampling ADC in CMOS VLSI” in International Journal of Emerging Technologies & Applications in Engg.Technology & Sciences (IJ-ETA-ETS), Dec. 2010. • “CMOS R-2R Digital to Analog Converter using 180nm technology” in journal of Lab experiment, Bangalore, 2012.
		NATIONAL JOURNAL	
		INTERNATIONAL CONFERENCE	<ul style="list-style-type: none"> • Gupurneet kaur “A Review on Hardware Software Codesign Approach for Circuit Partitioning” in International Conference on Wireless Networks and Embedded Systems (WECON 2011), 18th – 20th july, 2011. • Gupurneet kaur ,”Design of CMOS Inverter in 180nm Technology” in International Conference on Advancements in Engineering and Technology ,October 12-13, 2012

12.		NATIONAL CONFERENCE	<ul style="list-style-type: none"> • Gurburneet Kaur, "Routing in VLSI Circuit Design –A Review", Proc. Of Second National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-11) during March 4-5, 2011, ISBN No: 978-93-80697-72-7. • Gurburneet Kaur, "Image Restoration techniques-A Review" in 2nd National Conference, RAECT-11 held at GNDEC, Ludhiana.
12.			<ul style="list-style-type: none"> • Gurburneet Kaur et al. , "A Review on Network on Chip: An On-Chip Interconnection Network ", in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • Gurburneet Kaur et al., "Silicon Nanowire Double Gate FETs & Its Applications: A Review ", in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013. • Gurburneet Kaur et al. , "A Review on Leakage Power Control Techniques in VLSI ", in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • Gurburneet Kaur et al. , "A Review on VLSI Interconnect ", in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • Gurburneet Kaur et al. , "A Quicker Eye to the Future: 3nethra ", in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 • Jasmeet Kaur , Prof. Navneet Kaur, Prof. Gurburneet Kaur, "CMOS R-2R

			Digital to Analog Converter using 180nm technology”in journal of Lab experiment, Bangalore, 2012
13	Pf. Chahat Jain	INTERNATIONAL JOURNAL	<ul style="list-style-type: none"> • Chahat Jain, “Parametric Investigation of a Fractal antenna on Mushroom-type ground plane” published a paper in International Journal of Advanced engineering science and technology, Vol No. 9, Issue No. 1, 025 – 030, August 2011. • Chahat Jain, “Design and Study of a Fractal antenna on a Fractalised Mushroom-stack”, published a paper in International Journal of Applied Engineering Research, Vol.6 No.18, ISSN 0973-4562, October 2011. • Chahat Jain, “Investigation of Fast Switched CMOS Inverter using 180nm VLSI Technology” published a paper in International journal of computer applications, August 2012 • Chahat Jain, “ Artificial Magnetic conductor- A Review”, published a paper in International Journal of Emerging Technology and Advanced Engineering, Vol 2,

			Issue 7, ISSN 2250-2459, July 2012
		INTERNATIONAL CONFERENCE	<ul style="list-style-type: none"> Chahat Jain , "Design of CMOS Inverter in 180nm Technology" in International Conference on Advancements in Engineering and Technology ,October 12-13, 2012
		NATIONAL CONFERENCE	<ul style="list-style-type: none"> Chahat Jain, "Electrocardiogram signal compression using orthogonal transforms", Proc. Of Second National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-11) during March 4-5, 2011, ISBN No: 978-93-80697-72-7. Chahat Jain et al. , "A Review on Leakage Power Control Techniques in VLSI ", in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 Chahat Jain et al. , "A Review on VLSI Interconnect ", in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 Chahat Jain et al. , "A Quicker Eye to the Future: 3nethra ", in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013 Chahat Jain et al. , "DESIGN OF MULTIBAND C-SHAPED MICROSTRIP PATCH ANTENNA ", in Third National Conference on

			<p>Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013</p> <ul style="list-style-type: none"> • Chahat Jain et al. , “REVIEW ON ROUTING PROTOCOL –EIGRP ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013
14	Pf. Rohin Gupta	NATIONAL CONFERENCE	<ul style="list-style-type: none"> • Rohin Gupta , “Wick-Wack-Woe using Labview” published a paper in National Conference RAISE-2012 held at Guru Ram Das Institute of Engineering & Technology, Bathinda, January 2012 • Rohin Gupta et al. , “Analysis of 6t CMOS SRAM cell in 180nm technology ”, in Third National Conference on Recent Advances in Electronics and Communication Technologies (RAECT-13) during March 21-22,2013
		INTERNATIONAL CONFERENCE	<ul style="list-style-type: none"> • Rohin Gupta, ”Design of CMOS Inverter in 180nm Technology” in International Conference on Advancements in Engineering and Technology ,October 12-13, 2012 • Rohin Gupta, ” A Simplified Risc Processor Design Using Verilog” in International Conference on Advancements in Engineering and Technology ,October 12-13, 2012

15	Pf. Kuldeepak Singh	INTERNATIONAL JOURNALS	<ul style="list-style-type: none"> • Kuldeepak Singh and Dr. Manjit Singh, “Investigations on Aperture Diameter of Telescope in Inter-Satellite Optical Wireless Communication Systems”, International Journal of Engineering Research and Applications (IJERA), Vol. 2, Issue 3, pp.1666-1670, May-Jun 2012. • Kuldeepak Singh and Dr. Manjit Singh, “Investigations of Transmitted Power in Inter-Satellite Optical Wireless communication”, International Journal of Computer Science, Information Technology, & Security (IJCSITS). ISSN: 2249-9555, Volume2 Number 3, pp 568-573, June 2012. • Kuldeepak Singh and Dr. Manjit Singh, “Performance improvement of Inter-Satellite Optical Wireless communication with multiple Transmitter and Receivers”, International Journal of Engineering Research and Technology (IJERT), Vol. 1 Issue 4, pp 1-7, June 2012.
16	Pf. Harminder Kaur	INTERNATIONAL JOURNAL	<ul style="list-style-type: none"> • Harminder Kaur et al., “Wireless Sensor Networks for Disaster Management” published in International Journal of Advanced Research in Computer Engineering and Technology (ISSN: 2278-1323), Vol-1, Issue-5, July-2012, pp-129-134. • Harminder Kaur, Ravinder Singh Sawhney, “Deploying Wireless Tracking in Bhai Gurdas Library

			<p>at G.N.D. University Campus”, published in International Journal of Information and Communication Technology (ISSN: 0973-5836), Vol-6, No.1-2, Jan-July-2013, pp-294-298.</p> <ul style="list-style-type: none"> • Harminder Kaur et al., “Multi Hop Routing in Wireless Mobile Networks using Ant Colony Optimization”, published in International Journal of Computer Applications (0975 – 8887), Volume 69– No.26, May 2013.
		INTERNATIONAL CONFERENCE	<ul style="list-style-type: none"> • Harminder Kaur, Ravinder Singh Sawhney, “Reducing Routing Overhead Using Ant Colony Optimization in Wireless Mobile Networks”, presented in Fourth International Conference on Recent Trends in Information, Telecommunication and Computing – ITC 2013 to held during August 1-2, 2013 at Chandigarh, India.