


# RESUME

1	<b>Name</b>	<b>Chakshu Goel</b>	
2	<b>Designation</b>	Assistant Professor	
3	<b>Date of Birth</b>	Nov 23,1977	
4	<b>Education Qualification</b>	<ul style="list-style-type: none"> <li>• M.Tech(ECE) [Punjab Technical University,</li> <li>• B.Tech(ECE) [Guru Nanak Dev University, Amritsar]</li> </ul>	
5	<b>Work Experience</b>	Teaching 13 Years and 1Month	Email:chakshu77@yahoo.com
		Assistant Professor, SBSSTC, Ferozepur	16/12/2010 to till date
		Assistant Professor, AIET, Faridkot	1/11/2010 to 16/12/2010
		Assistant Professor, BMSCE, Muktsar	1/4/2010 to 1/11/2010
		Sr. Lecturer,BMSCE, Muktsar	26/6/2008 to 1/4/2010
		Lecturer,BMSCE, Muktsar	1/8/2003 to 26/6/2008
		Lecturer,Guru Nanak College, Moga	18/8/2000 to 10/2/2001
6	<b>Area of Specialization</b>	VLSI	
	<b>Subject Teaching at</b>	Graduate Level	Post Graduate Level
		DSD	VLSI
		DCLD	Microelectronics
		EMFT	
		VLSI	
		LIC	
		EMI	
7	<b>Total Number of Research Publications Annexure Attached</b>	Conferences: 02 Journals: 21	
8	<b>M.Tech Guidance</b>	Completed: 14	
9	<b>Faculty Development Program Attended</b>	14(1week—9, 2 week -4, One day workshop—1 )	
		Intellectual Property Rights and Patent System in India,BMSCE, Muktsar	1 -week
		Digital Design using verilog GGSCET, Talwandi Sabo	1 -week
		Development of faculty in teaching methodology and education management BMSCE, Muktsar	1 -week
		AICTE Sponsored SDP on Intelligent Computational Techniques, SBSSTC,FZR	2 -week
		AICTE Sponsored SDP on Multi-Criteria Optimization Tools in research, SBSSTC,FZR	2- week

		Cloud Computing, MIMIT, Malout	1 -week
		AICTE-TEQIP STC on Nature Inspired Computational Intelligence, SBSSTC, FZR	2 -week
		One day Workshop on Role of Communication, Motivation & team Building in Enhancing the Performance of Teachers, SBSSTC, FZR	One day workshop
		FDP on soft skills for technical teachers, SBSSTC, FZR	1 -week
		TEQIP FDP on Recent Trends in Optical & Wireless Communication System Design, SBSSTC, FZR	1 -week
		Digital Image, Video and Medical Image Processing SBSSTC, FZR	1 -week
		Photonics under TEQIP-II, SBSSTC, FZR	1 -week
		Effective office Administration and management, NPC, Portblair	1 -week
		Research Techniques ,SBSSTC, FZR	2 -week
10	<b>Membership of professional bodies:</b>	1	
		Life time member of ISTE	

## Annexure- A

### Papers in International Referred Journals/conferences

1. Surinder Singh, Chakshu Goel; Mitigation of distortion in FH-CDMA networks with various modulation techniques, International conference on recent researches in communication, Electronics signal processing and automatic control, UK, WCEAS, Feb, 2012, pp: 101-106, ISBN: 978-1-61804-069-5
2. Sumer Singh, Puneet Jain, Puneet Bindra, Chakshu Goel; OPNET based simulation & performance analysis of AODV and GRP by varying number of misbehavior nodes, International journal of Emerging trends & development, Issue 2, vol. 4, 2012, pp: 433-443, ISSN:2249-6149 (impact factor-2.534)(SNIP=0.047,SJR =0.034)
3. Puneet Jain, Gurjeevan Singh, Chakshu Goel Performance comparison of IPv4 and IPv6 using window XP and Windows 7 over Gigabit Ethernet LAN, IJCA, vol. 43, no 16, April 2012, pp: 1-3, ISSN:0975-8887, (impact factor – 0.791) (SNIP-0.240,SJR-0.177)
4. Sumer Singh, Chakshu Goel, Gagan sachdeva; Performance analysis of routing protocols under varying degree of misbehavior in MANET using WLAN802.11a and 802.11g, 2<sup>nd</sup> World congress on information & communication technologies, India, October, 2012, pp:866-871,print ISBN 978-1-4673-4806-5 doi: [10.1109/WICT.2012.6409197](https://doi.org/10.1109/WICT.2012.6409197)
5. Chakshu Goel, Puneet Jain, Gurjeevan Singh; Design and Simulation of Low power CMOS Adder Cell at 180nm using Tanner Tool,International Journal of Computer Applications (0975 – 8887) Volume 62– No.16, January 2013, (impact factor – 0.791)(SNIP: 0.000 SJR:0.071)
6. Gurwinder Singh, Chakshu Goel, Gurjeevan Singh; Reputed-DSR: An Enhancement over Dynamic SourceRouting Protocol in Multi-hop Wireless Ad-hoc Network, International Journal of Advances in Engineering Science and Technology ISSN : 2319-1120. (impact factor -1.15)

7. Gagandeep Singh Gill , Chakshu Goel; Carry Select Adder-Review, International Journal of Emerging Trends in Engineering and Development, Issue 4, Vol.2 ,March 2014,pp: 175-180ISSN 2249-6149, (impact factor-2.534)
8. Er. KaramjeetKaur, Chakshu Goel; Review Paper-Threshold based Bit Error Rate Optimization in Four Wave Mixing Optical WDM Systems, American Journal of Engineering Research (AJER) 2014, Volume-03, Issue-03, pp-225-229, e-ISSN : 2320-0847 p-ISSN : 2320-0936
9. Karamjeet Singh, Chakshu Goel, Gurpreet Singh; Security Requirements in MANETs: A Review, International Journal of Advanced Research in Computer Science and Software Engineering ,Volume 4, Issue 2, February 2014 ,ISSN: 2277 128X ,( Impact factor 2.80)
10. Amritpal Singh Gill, Chakshu Goel; A Review of SRAM cell, International Journal of Emerging Trends in Engineering and Development, Issue 4, Vol.2 ,March 2014, ISSN 2249-6149, (impact factor-2.534)
11. Chakshu Goel, Puneet Jain; Analysis and Characterization of Low power CMOS Adder at deep Submicron Technologies, International Journal of Emerging Trends in Engineering and Development, Issue 4, Vol.2 March 2014, ISSN 2249-6149, (impact factor-2.534)
12. Jatinderpal, Chakshu Goel ,Karamjit Singh Sandha; Performance and Analysis of Voltage Scaled Repeaters for Multi-Walled Carbon Nanotubes as VLSI Interconnects, International Journal of Computer Applications (0975 – 8887) Volume 93 – No.8, May 2014. (impact factor – 0.791)
13. Amritpal Singh Gill, Chakshu Goel; A modified 8-transistor SRAM cell design with high stability and low power applications; International Journal of Emerging Trends in Engineering and Development, ISSN 2348-6090, (impact factor- 2.534)
14. Gagandeep Singh Gill, Chakshu Goel; Area efficient Carry –Select Adder using Cadence Tool; International Journal Engineering Trends and Technology, Volume-10, April-2014,( impact factor -2.695)

15. Mandeep kaur, Chakshu Goel, Harpreet Singh ;Reversible Multiplier- A Review Vol. 3 , No. 10, Oct. 2014, E-ISSN: 2278-8875, ISSN(Print): 2320-3765, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, (10.15662/ijareeie.2014.031005), pp. 12755-12761
16. Mandeep kaur, Chakshu Goel ;Quantum Cost efficient Reversible multiplier, Vol. 4 No. 4, April 2015, ISSN: 2278-1323, International Journal of Advanced Research in Computer Engineering & Technology (IJARCET), pp. 1382-1386
17. Harpreet Singh, Chakshu Goel Design of a power efficient reversible adder/subtractor Vol. 4 No. 4, April 2015, ISSN: 2278-1323, International Journal of Advanced Research in Computer Engineering & Technology (IJARCET), pp 1305-1308
18. Gagandeep Singh Gill, Chakshu Goel; Design of Low Power and Efficient Carry Select Adder Using 3-T XOR Gate ,Volume 2014, Article ID 564613, Advances in Electronics, Hindawi Publications (<http://dx.doi.org/10.1155/2014/564613>)
19. Gurpreet Singh, Chakshu Goel; Performance comparison of NRZ and RZ techniques over FSO-OCDMA system to transmit 10 Gbps Data,Vol. 2 Issue 5, Feb-Mar 2015, ISSN: 2249-6149, International Journal of Emerging Trends in Engineering and Development, pp. 25-33.
20. Arora Sheenam, Goel Chakshu, Benu; A Hybrid Approach for Performance Enhancement of VANET using CSMA-MACA: a Review IOSR Journal of Computer Engineering (IOSR-JCE) e-ISSN: 2278-0661,p-ISSN: 2278-8727, Volume 17, Issue 3, Ver. II (May – Jun. 2015), PP 99-104
21. Nancy , Chakshu Goel; Performance Evaluation of Different Modulation Techniques for Different Mobility Pattern by using SVC Code over Wimax, International Journal of Computer Applications (0975 –8887)Volume 116 –No.12, doi 10.5120/20388-2654, April 2015
22. Benu, Chakshu Goel; Detection of Clone Attack in Mobile Wireless Sensor Network, International Journal of Computer Applications (0975 –8887)Volume132 –No.16, doi 10.5120/ijca2015907670, December, 2015

23. Harpreet Singh, Chakshu Goel, Design Approaches for a Novel Reversible 4-bit Comparator, International Journal of Mathematical Sciences and Computing(IJMISC), vol 1, No: 3, PP.20-28, ISSN: 2310-9025 (Print), ISSN: 2310-9033 (Online) DOI: 10.5815/ijmsc,September,2015
24. Tarlochan Singh, Chakshu Goel An Optimal Approach to Design 4-bit Reversible Power Efficient Comparator, International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181 Vol. 5 Issue 03,pp 166-171, March-2016
25. Pankaj Kumar, Chakshu Goel, Inderjit Gill, Enhancement in Routing Methods in Vehicular Ad Hoc Networks, International Journal for Research and Science (IJFRS), Volume 6, Issue 1, ,pp 9-14, May 2016
26. Pankaj Kumar, Chakshu Goel, Inderjit Gill, Performance Evaluation of Network Aggregation Techniques in VANET, International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering IJIREEICE Vol. 5, Issue 1, pp 36-39, DOI 10.17148/IJIREEICE.2017.5108 January 2017