


1.	Name	Amit Grover	
2.	Designation	Assistant Professor	
3.	Date of Birth	27/09/1980	
4.	Education Qualification	M.Tech (ECE)	
5.	Work Experience		
	Teaching and Administrative	13Years	
	Research :	NIL	
	Others :	NIL	
6.	Area of Specializations	Wireless Communication Systems	
7.	Subjects Teaching at		
	(a) Graduate Level	Digital Communication, Wireless Communication, Digital Electronics	
	(b) Post Graduate level	Multimedia Communication, Information Theory and Coding	
8.	Total Number of Research Publications	Annexure- A	
9.	No. of Students Guided		
	(a) Masters	21	
	(b) PhDs	NIL	
10.	Academic Achievements and Awards.	NIL	
11.	Projects Carried out	NIL	
12.	Projects in Hand	NIL	
13.	Applied Project	NIL	
14.	Short-Term Courses Organized as a faculty	NIL	
16.	Short-Term Courses Attended	20	
17.	Faculty Development Programmes organized in the Institute	Annexure- B	
18.	Membership of professional bodies:	ISTE	
19.	Main Extra-Curricular Activities organized	Annexure-C	
20.	Main Curricular and Co-Curricular Activities Organized	Annexure-D	

Annexure-A

LIST OF PUBLICATIONS

(A) International Referred Journals

1. Sukhwinder Singh, **Amit Grover**, "Hybrid Adaptive Image Restoration Method with Pixel Block Estimation and Histogram Equalization" International Journal of Computer Applications (0975 – 8887) Volume 148– No.6, pp. 12-15, August 2016, DOI: 10.5120/ijca2016911144
2. Hardavinder Singh, **Amit Grover**, "Effect of Interference of UMTS on WLAN" International Journal of Computer Applications (0975 – 8887) Volume 147– No.12, pp. 35-38, August 2016, DOI: 10.5120/ijca2016911282
3. Harpreet Kaur, **Amit Grover**, "Adaptive Load Balanced Approach for Multi-path Routing in VANETs" International Journal of Computer Applications (0975 – 8887) Volume 147– No.1, pp. 26-29, August 2016, DOI: 10.5120/ijca2016910969
4. Ginish, Munish Kumar and **Amit Grover**, "Optimal Duty Cycling with Sleep-wake Schedule between Paired Nodes and Flexible Routing across Pairs" International Journal of Computer Applications (0975 – 8887) Volume 144– No.8, pp. 20-24, June 2016, DOI: 10.5120/ijca2016910419
5. Sukhwinder Singh, **Amit Grover**, "Adaptive Image Quality Enhancement with Hybrid Pixel Enhancement Approach" International Journal of Computer Applications (0975 – 8887) Volume 142– No.7, pp. 7-11, May 2016, DOI: 10.5120/ijca2016909858
6. Harpreet Kaur, **Amit Grover**, "A Robust Security Algorithm for VANETs" International Journal of Computer Applications (0975 – 8887) Volume 142– No.1, pp. 40-45, May 2016, DOI: 10.5120/ijca2016909698
7. Arshdeep Singh Baath, **Amit Grover**, "Effect of Nodes Mobility using different Trajectories" International Journal of Computer Applications (0975 – 8887) Volume 141– No.4, pp. 16-20, May 2016, DOI: 10.5120/ijca2016909597
8. Arshdeep Singh Baath, **Amit Grover**, "Performance Analysis of Zigbee Mesh Topology by Varying Trajectory" International Journal of Computer Applications (0975 – 8887) Volume 138– No.2, pp. 29-33, March 2016, DOI: 10.5120/ijca2016908765

9. Vishal Sharma, **Amit Grover**, “A Modified Ant Colony Optimization Algorithm (mACO) for Energy Efficient Wireless Sensor Networks”, OPTIK, Elsevier, Volume 127, Issue 4, February 2016, Pages 2169-2172, ISSN: 0030-4026, [doi:10.1016/j.ijleo.2015.11.117](https://doi.org/10.1016/j.ijleo.2015.11.117)
10. Amandeep Kaur, **Amit Grover**, “Capacity Estimation of an Infrastructure Network Carrying HTTP and E-Mail Data based on IEEE 802.11b WLAN Standard ” International Journal of Computer Applications (0975 – 8887) Volume 123 – No.16, pp. 36-40, August 2015, DOI: 10.5120/ijca2015905767
11. Rajwinder Kaur, **Amit Grover**, Vishal Sharma, “An Efficient Carry Select Adder Design by using Different Technologies” International Journal of Computer Applications (0975 – 8887) Volume 121– No.4, pp. 24-27, July 2015, DOI: 10.5120/21529-4520
12. Sanjeev Dewra¹, Vikas², **Amit Grover**^{3*},” Fabrication and Applications of Fiber Bragg Grating- A Review” Advance Engineering Technology and Application: An International Journal, Volume 4, No. 2, pp. 1-11, May-2015, ISSN 2090-9543, <http://dx.doi.org/10.12785/aeta/paper>
13. Rajwinder Kaur, **Amit Grover**, “Different Techniques Used for Carry Select Adder- A Review” International Journal of Computer Applications (0975 – 8887) Volume 116– No.3, pp. 1-4, April 2015, DOI: 10.5120/20313-2365
14. Amandeep Kaur, **Amit Grover**, “LEACH and Extended LEACH Protocols in Wireless Sensor Network- A Survey” International Journal of Computer Applications (0975 – 8887) Volume 116– No.10, pp. 1-5, April 2015, DOI: 10.5120/20369-2576
15. **Amit Grover**^{1*}, Sukhchain Singh², “Comparative Analysis of CRC-32 and SHA-1 Algorithms in WEP” Advance Engineering Technology and Application: An International Journal, Volume 4, No. 1, pp. 1-6, Jan-2015, ISSN 2090-9543, <http://dx.doi.org/10.12785/aeta/paper>
16. **Amit Grover**¹, Neeti Grover²,” On limits of Wireless Communications in a Fading Environment: a General Parameterization Quantifying Performance in Fading Channel” Indonesian Journal of Electrical Engineering and Informatics, Volume 2, No. 3, September 2014, ISSN 2089-3272.
17. **Amit Grover**^{1*}, Sanjolly Jain², “AOMDV with Multi-Tier Multi-Hop Clustering in Wireless Sensor Networks” Advance Engineering Technology and Application: An

International Journal, Volume 3, No. 3, pp. 29-33, Sept-2014, ISSN 2090-9543, doi:10.12785/aeta/030301

18. Jashanpreet Kaur¹, Navdeep Kaur², **Amit Grover**^{3*}, "A Review on Gate Diffusion Input (GDI)", International Journal of Advance Electronics, Electrical & Computer Science Applications Volume 2, Issue 4, July 2014, pp. 385-391, ISSN: 2349 – 1612.
19. Sukhchain Singh, **Amit Grover**, "Study and Analysis of Dictionary attack and Throughput in WEP for CRC-32 and SHA-1" International Journal of Computer Applications (0975 – 8887) Volume 96– No.17, pp. 15-18, June 2014, DOI: 10.5120/16885-6896
20. Jyoti Gupta, **Amit Grover**, "A Comparative Performance Analysis of Various CMOS Design Techniques for Multiplier Circuits" International Journal of Advance Research in Computer and Communication Engineering, Volume 3, Issue 5, pp. 6782-6786, May-2014, ISSN 2278-1021(Online), ISSN 2319-5940 (Print)
21. **Amit Grover**^{1*}, Jyoti Gupta², Keshav Kumar³, Neeti Grover⁴, Sumer Singh⁵ "An Area Efficient Approach: Comparative Analysis of Multiplier Circuits" Advance Engineering Technology and Application: An International Journal, Volume 3, No. 2, pp. 13-19, May-2014, ISSN 2090-9543, <http://dx.doi.org/10.12785/aeta/paper>
22. Manpreet Kaur¹, Navdeep Kaur², **Amit Grover**^{3*}, Neeti Grover⁴, "Different SRAM Cells Using Low Power Reduction Techniques" Innovative Systems Design and Engineering, vol 5, no. 5, pp. 84-90, May 2014. ISSN 2222-1727 (Paper) ISSN 2222-2871 (Online) **(The IC Impact factor value of this journal is 6.94)**
23. Sanjolly Jain, **Amit Grover**, "Routing Techniques in Wireless Sensor Networks" International Journal of Computer Applications (0975 – 8887) Volume 94– No.6, pp. 15-20, May 2014, DOI: 10.5120/16346-5685
24. Keshav Kumar¹, **Amit Grover**^{2*}, Neeti Grover³, "Comparative Analysis of 8-Bit Adder Cells using CLRCL Full Adder Logic" GSTF International Journal on Computing (JoC), Volume 3, No. 4, pp. 104-108, April-2014, ISSN 2251-3043, DOI: 10.5176/2251-3043_3.4.295
25. Jyoti Gupta, **Amit Grover**, "Low Power Designing Techniques- An Overview" International Journal of Scientific & Engineering Research, Volume 5, Issue 4, pp. 858-862, April-2014, ISSN 2229-5518

26. Keshav Kumar, **Amit Grover**, “A New design using CLRCL Full Adder Logic in 180 nm Technology” International Journal of Scientific & Engineering Research, Volume 5, Issue 2, pp. 918-920, February-2014, ISSN 2229-5518
27. **Amit Grover**^{1*}, Sumer Singh² “D Flip Flop with different Technologies” Advance Engineering Technology and Application: An International Journal, Volume 3, No. 1, pp. 1-6, January-2014, ISSN 2090-9543, <http://dx.doi.org/10.12785/aeta/paper>
28. Sumit Khurana and **Amit Grover**,” Simulation and Analysis the Performance of AODV and DSR for VOIP and Video Conferencing using OPNET”, CiiT International Journal of Wireless Communication (0974 – 9756) Volume 5– No.11, pp. 433-437, November 2013, Digital Object Identifier: WC112013006.
29. Jashanpreet Kaur¹, Navdeep Kaur², **Amit Grover**^{3*},” Reversible Comparator Circuit Design using CMOS-GDI-TG Mixed Technology”, International Journal of Advance Electronics, Electrical & Computer Science Applications Volume 1, Issue 4, Nov 2013, pp. 344-346, ISSN: 2349 – 1612.
30. **Amit Grover**, “Comparison of Full Adder Designs in CMOS,” International Journal of Research in Wireless Systems (IJRWS), Volume 2, Issue 3, pp. 75-78, October, 2013, ISSN: 2320 – 3617.
31. Gurmeet Singh and **Amit Grover**,” Stimulate and investigate the performance of IPTV (VoD) over Wimax using OPNET”, CiiT International Journal of Wireless Communication (0974 – 9756) Volume 5– No.9, pp. 385-391, September 2013, Digital Object Identifier: WC092013004.
32. **Amit Grover**^{1*}, Sumit Khurana²,”Power Reversible Comparator Circuits 180 nm Technology”, International Journal of Computer Applications (0975 – 8887) Volume 77– No.7, pp. 1-4 September 2013, DOI: 10.5120/13403-1055
33. Sumit Khurana¹, **Amit Grover**^{2*},” Simulation and Analysis the Effect of Varying no. of Nodes on AODV and DSR for different Applications”, International Journal of Computer Applications (0975 – 8887) Volume 77– No.10, pp. 22-25, September 2013, DOI: 10.5120/13431-1128
34. Sanjolly Jain¹, **Amit Grover**^{2*}, “Simulation and Performance Analysis of AODV by Varying Packet Size” International Journal of Scientific & Engineering Research (2229-5518), Volume 4, Issue 7, July-2013, pp. 1186-1190.

35. Pargat Singh Sidhu¹, Amit Grover^{2*}, Neeti Grover³, " **BLAST System: Different Decoders with Different Antennas**" **IOSR Journal of Engineering (IOSRJEN)** e-ISSN: 2250-3021, p-ISSN: 2278-8719 Vol. 3, Issue 4 (April. 2013), ||V3 || PP 14-19, DOI: 10.9790/3021-03431419
36. Ashish Arora¹, Amit Grover^{2*}, " **ZigBee: Simulation and Investigation of Star and Mesh Topology by Varying Channel Sensing Duration**" **International Journal of Computer Applications** (0975 – 8887) Volume 67– No.9, April 2013, DOI: 10.5120/11425-6771
37. Amit Grover^{1*}, Neeti Grover², Sanjolly Jain³, "Performance **Evaluation of OSTBC Systems using different Channels**" **International Journal of Computer Applications** (0975 – 8887) Volume 68– No.5, April 2013, DOI: 10.5120/11572-4148 **Amit Grover and Amit Kumar Kohli** , "Simulation of impulsive noise environment for orthogonal frequency division multiplexing wireless system" **International Journal of Computing & Business Research** ISSN (Online): 2229-6166 Available online at [http:// www.researchmanuscripts.com/isociety2012/18.pdf](http://www.researchmanuscripts.com/isociety2012/18.pdf)
38. Amit Grover , Divneet Singh Kapoor and Amit Kumar Kohli, "Characterization of Impulse noise effects on Space-time Block-coded Orthogonal frequency division multiplexing (OFDM) signal reception" **International Journal of Physical Sciences**, vol. 7(25), pp. 4003 – 4011, 29, June 2012. (Impact Factor: 0.5) Available online at <http://www.academicjournals.org/IJPS>, DOI: 10.5897/IJPS12.424, ISSN 1992 - 1950 ©2012 Academic Journals.
39. Amit Grover and Amit Kumar Kohli, "Full –diversity High-rate Space-time Block-coded Systems using Estimated Channel State Information for Symbol detection" **International Journal of Physical Sciences**, vol. 7(17) , pp. 2539 – 2548, 23 April 2012. (Impact Factor: 0.5), Available online at <http://www.academicjournals.org/IJPS>, DOI: 10.5897/IJPS12.24, ISSN 1992 - 1950 ©2012 Academic Journals.
40. Amit Grover and Amit Kumar Kohli, "Space-time Block-coded Systems using Numeric Variable Forgetting Factor Least Squares Channel Estimator" **International Journal of Physical Sciences**, vol. 6(32), pp. 7361 – 7370, 2 December 2011. (Impact Factor: 0.5) Available online at <http://www.academicjournals.org/IJPS>, DOI: 10.5897/IJPS11.1567, ISSN 1992 - 1950 ©2011 Academic Journals.

(B) International Conferences

1. **Amit Grover**,” Design of Power Reversible Comparators with Different Technologies” Fifth International Conference on Computational Intelligence, Modeling and Simulation (CIMSIm 2013), 24-26 September, 2013 **Digital Object Identifier:10.1109/CIMsim.2013.38 Publication Year: 2013, Page(s): 193 – 196, IEEE Conference Publications**
2. **Amit Grover**,” Analysis and Comparison: Full Adder Block in Submicron Technology” Fifth International Conference on Computational Intelligence, Modeling and Simulation (CIMSIm 2013), 24-26 September, 2013 **Digital Object Identifier: 10.1109/CIMsim.2013.39 Publication Year: 2013, Page(s): 197 – 201, IEEE Conference Publications**
3. **Amit Grover**,” BER Improvements with Multi-antennas in Maximum Likelihood Decoder” Fifth International Conference on Computational Intelligence, Modeling and Simulation (CIMSIm 2013), 24-26 September, 2013 **Digital Object Identifier: 10.1109/CIMsim.2013.59 Publication Year: 2013, Page(s): 329 – 332, IEEE Conference Publications**
4. Chetinderpal Singh¹, **Amit Grover**^{2*}, and Neeti Grover³,” Implementation of a Modified Model-SRAM Using Tanner EDA” Fifth International Conference on Computational Intelligence, Modeling and Simulation (CIMSIm 2013), 24-26 September, 2013 **Digital Object Identifier: 10.1109/CIMsim.2013.69 Publication Year: 2013, Page(s): 390 – 393, IEEE Conference Publications**
5. Jyoti Gupta¹, **Amit Grover**^{2*}, Garish Kumar Wadhwa³ and Neeti Grover⁴,” Multipliers using low power adder cells using 180 nm Technology” 2013 International Symposium on Computational and Business Intelligence(ISCBI-2013), 24-26 August, 2013 **Digital Object Identifier: 10.1109/ISCBI.2013.8 Publication Year: 2013, Page(s): 3 – 6, IEEE Conference Publications**
6. Sumit Khurana¹, **Amit Grover**^{2*}, Neeti Grover³,” Comparative Analysis: Power Reversible Comparator Circuits 90 nm Technology” 7th Asia Modeling Symposium (AMS), 23-25 July, 2013 **Digital Object Identifier: 10.1109/AMS.2013.21 Publication Year: 2013, Page(s): 103 – 107, IEEE Conference Publications**

7. **Amit Grover^{1*}, Neeti Grover²,**” Comparative Analysis: Area Efficient Carry Select Adders 180 Nm Technology” 7th Asia Modeling Symposium (AMS), 23-25 July, 2013
Digital Object Identifier: 10.1109/AMS.2013.54 Publication Year: 2013, Page(s): 99 – 102, IEEE Conference Publications
8. Gurmeet Singh¹, **Amit Grover^{2*}**, Neeti Grover³,” Simulation and Analysis: The Effect of Mobility on IPTV (VOD) Over Wi-max Using OPNET” 7th Asia Modeling Symposium (AMS), 23-25 July, 2013 **Digital Object Identifier: 10.1109/AMS.2013.47 Publication Year: 2013, Page(s): 267 – 272, IEEE Conference Publications**
9. **Grover, Amit; Sangar, Bhanvi; Gupta, Rohit; Grover, Neeti,** “**MIMO systems equalization in Flat fading**” **Wireless Telecommunications Symposium (WTS), 2013; Digital Object Identifier: 10.1109/WTS.2013.6566231; Publication Year: 2013, Page(s): 1 – 8, IEEE Conference Publications**
10. **Grover, A. ; Grover, N. ; Kumar, K. ,” A comparative analysis in equalization”,** Emerging Trends in VLSI Embedded System, Nano Electronics and Telecommunication System (ICEVENT), 2013 International Conference on. Digital Object Identifier: 10.1109/ICEVENT.2013.6496542, Publication Year: 2013, Page(s): 1 - 5, **IEEE CONFERENCE PUBLICATIONS**
11. **Amit Grover^{1*}, Keshav Kumar²,**“ **V-BLAST with Optimal-Ordering: Performance Evaluation of Zero Forcing Detector in Rayleigh and Rician Channel ” International Conference on RADAR communication and Computing, 21-22, December 2012, S.K.P Engg College, Tamilnadu**
12. **Flaws affecting security in wireless LAN & Bluetooth technology** published in international Conference On Advanced Electronics & Communication Technology organized by K C College Of Engineering & I. T., Nawanshahr- 15th – 16th December, 2006.

(C) National Conferences

1. **Role of Mathematical Modeling and Differential equations in Electronics and Communication** published in 7th Annual Conference of Indian Society of Information Theory & Applications (ISITA) during national conference on Applications of Mathematics in Engineering and Technology organized by MIMIT, Malout – 26th to 28th March, 2005.

2. **The Principles of Spread Spectrum Communication** published in 7th Annual Conference of Indian Society of Information Theory & Applications (ISITA) during national conference on Applications of Mathematics in Engineering and Technology organized by MIMIT, Malout – 26th to 28th March, 2005.

Annexure-B

Faculty Development Programme organized in the Institute

S. No	Name of FDP	Dept	From	To
1	FDP on Digital Image , Video and Medical Image Processing	ECE	23-09-2013	27-09-2013

Annexure-C

Main Extra-Curricular Activities organized

1. Organized National Level ISTE Tech-Fest-2014 in SBSCET, Ferozepur as Faculty Incharge and Co-ordinator of *ISTE*
2. Organized three day Techfest on 21st -23rd March 2011(AJINKYAA'11) in SBSCET, Ferozepur as Faculty Incharge of SELCOME.
3. Organized two day Techfest (ROBOFEST' 10) in SBSCET, Ferozepur as Faculty Incharge of SELCOME.

Annexure-D

Main Curricular and Co-Curricular Activities Organized

1. Organized TEQIP-II sponsored “**Ist International Conference on Computing, Communication & Systems**” as a Active member in Registration Committee in SBSSTC, Fzr from 8th to 9th Aug, 2014
2. Organized TEQIP-II sponsored “**National Conference on Computing, Communication & Systems**” as a Program Co-Coordinator in SBSSTC, Fzr from 24th to 25th Aug, 2015
3. Organized TEQIP-II sponsored “**National Conference on Computing, Communication & Systems**” as a Active member of Editorial Board in SBSSTC, Fzr from 24th to 25th Aug, 2015