

1	Name	INDERJEET SINGH GILL
2	Designation	ASSISTANT PROFESSOR
3.	Date of Birth	07/12/1978
4	Education Qualification	M.TECH [ECE]
5	Work Experience	
	Teaching and Administrative	15.5 YEARS
	Research	
	Others	
6.	Area of Specializations	DIGITAL SYSTEM DESIGN, WSN
7	Subjects Teaching at	
	(a) Graduate Level [Polytechnic Level]	Communication System -I, Basics of Management, Optical Fiber Communication
	(b) Post Graduate level	
8	Total Number of Research Publications	9
9	No. of Students Guided	
	Masters	3
10	Academic Achievements and Awards	
11	Projects Carried out	
12	Projects in Hand	
13	Applied Project	
14	Short-Term Courses Organized as a faculty	
15	Short-Term Courses/FDP Attended	22
16	Faculty Development Programmes organized in the Institute	
17	Membership of professional bodies	
18	Main Extra-Curricular Activities organized	
19	Main Curricular and Co-Curricular Activities Organized	

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Annexure-A

LIST OF PUBLICATIONS

(A) International Referred Journals

1. Kiranpreet Kaur, Vikram Mutenja and Inderjeet Singh Gill , “Fuzzy Logic Based Image Edge Detection Algorithm In Matlab” in International Journal of Computer Applications, vol 22, num 11, 2010, pp 57-60
2. Anuradha, Inderjeet Singh Gill, “A Brief Study of Power Efficient Hierarchical Routing Protocols in Wireless Sensor Networks” , International Journal of Computer Science and Information Technologies, Vol. 5 (6) , 2014, 6911-6915
3. Joshi,pankaj; Kaur, Jaswinder And Gill, Inderjeet Singh “Heterogeneous configuration: a better approach to analyze vanet”, INTERNATIONAL JOURNAL OF COMPUTER APPLICATIONS, Vol. 118, No. 19, Pages 26-30, May 2015
4. Singh,ranjit; Kaur,jaswinder; Gill,inderjit Singh “Evaluation of hybrid topologies under mobility of zigbee devices using different trajectories “, INTERNATIONAL JOURNAL OF COMPUTER APPLICATIONS, Vol. 122, No. 20, Pages 8-13, July 2015
5. Kaur, Ramandeep; Kaur, Jaswinder And Gill, Inderjeet Singh “Retinal vessel extraction by using local entropy based thresholding and directional filters”, INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN COMPUTER ENGINEERING & TECHNOLOGY, Vol. 4, No. 8, Pages 3363-3369, August 2015
6. Anuradha, Inderjeet Singh Gill, “Performance Evaluation of AODV and OLSR for Different Mobility Patterns By Varying Source Nodes in MANET”, INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN ELECTRICAL, ELECTRONICS, INSTRUMENTATION AND CONTROL ENGINEERING Vol. 3, Issue 10, October 2015
7. Jatinder Kumar, Vikram Mutneja, Inderjeet Singh Gill, ““Behaviour of postion based routing in VANET”, IJCA Volume 145-No.1 July 2016.
8. Jatinder Kumar,Vikram Mutneja,Inderjeet Singh Gill, “Improved VSRP using Route Table in VANET” IJIREEICE, Vol. 5, Issue 1, ISSN (Online) , Jan 2017
9. Pankaj Kumar, Chakshu Goel, Inderjeet Singh Gill, “Performance Evaluation of Network Aggregation Techniques in VANET”, IJIREEICE, Vol. 5, Issue 1, Jan 2017

(B) International / National Conferences

1. Inderjeet Singh Gill, Amit Saxena “Fabrication of MEMS optical switch having variable optical ray reflection angle,” In the Proceedings of International Conference on Wireless Networks & Embedded Systems WECON-2008, Oct., 2008, held at Chitkara Institute of Engg. & Technology, Rajpura
2. Preetinder Kaur, Gurvinder Singh Aulakh, V.K.Panchal, Inderjeet Singh Gill “Hybrid Approach using PSO and ACO for cross-country Path Planning” in the proceedings of International Multi-Conference on Intelligent Systems & Nano-technology (IISN-2010), held at Institute of Science & Technology Klawad (ISTK) on February 26-28,2010.
3. Singh, Satvir and Gill, Inderjeet Singh and Singh, Singh, Sarabjeet and Dhawan, Gaurav “Application of Type-2 Fuzzy Logic 1 A Review”, in Proc. International Conference on

Communication, Computing and Systems, SBSSTC Ferozepur, Punjab, India, August, 2014, Pages 259—263.

4. Jatinder Kumar, Inderjeet Singh Gill, “ Research issues, applications and challenges in vehicular Ad-hoc Networks: A Survey” National Conference on Communication, Computing & Systems , NCCCS 2015 , August 24-25, 2015, SBSSTC, Ferozepur, India
5. Pankaj, Inderjeet Singh Gill, Research issues & Challenges in Wireless Sensor Networks : A Survey” National Conference on Communication, Computing & Systems , NCCCS 2015 , August 24-25, 2015, SBSSTC, Ferozepur, India

Annexure-B
SHORT TERM COURSES/FACULTY DEVELOPMENT PROGRAMME

STC/FDP Attended

S.No	From	To	Sponsored By	Attended at	Name of the Course
1.	26/11/2001	30/11/2001	Govt. Polytechnic Mohali [Khunimajra]	NITTTR, CHANDIGARH	Appropriate Technology Used Under Community Polytechnic
2.	27/5/2002	31/5/2002	Govt. Polytechnic Mohali [Khunimajra]	NITTTR, CHANDIGARH	Planning & Management of Community Development Activities
3.	21/7/2003	25/7/2003	Govt. Polytechnic Mohali [Khunimajra]	NITTTR, Chandigarh	Competency Based Training Assessment & Certification
4.	18/4/2005	21/4/2005	Govt. Polytechnic Mohali [Khunimajra]	NITTTR, CHANDIGARH	Employment Generation Through Food Processing Enterprises.
5.	27/2/2006	3/3/2006	SBSCET Ferozepur	NITTTR, CHANDIGARH	Advanced Autocad
6.	26/7/2010	30/7/2010	SBSCET Ferozepur	NITTTR, CHANDIGARH	Wireless LANs
7.	4 th July, 2011	15 th July, 2011	SBSCET Ferozepur	SBSCET Ferozepur	Intelligent Computational Techniques
8.	18 th July, 2011	22 July, 2011	SBSCET Ferozepur	NITTTR, CHANDIGARH	FDP: Planning and Management
9.	14 th May, 2012	18 th May, 2012	SBSCET Ferozepur	NITTTR, CHANDIGARH	Soft Computing Techniques

10	21 st May,2012	1 st June,2012	SBSCET Ferozepur	SBSCET Ferozepur	Multi-Criteria Optimisation Tools in Reserach
11	25 th June,2012	29 th June,2012	SBSSTC FEROZEPUR	GGSCMT, KHARAR	Applications in Mechatronics
12.	2 nd July,2012	6 th July,2012	SBSSTC FEROZEPUR	BBSBEC,Fatehgarh Sahib	Matlab and Its Applications
13.	26 th Nov,2012	30 th Nov,2012	TEQIP Ph-II	SBSSTC FEROZEPUR	Applied Soft Computing
14.	3 rd Dec,2012	7 Dec,2012	TEQIP Ph-II	SBSSTC FEROZEPUR	Research Methodolgy:Tools and Techniques
15.	17 th Dec,2012	21 st Dec,2012	TEQIP Ph-II	SBSSTC FEROZEPUR	Engineering Materials
16.	15 th July,2013	26thJuly,2013	PSBTE&IT,Chandigarh	NITTTR, CHANDIGARH	Optical Fibers:Comm. Sensing and Applications
17.	23 rd June,2014	27 th June,2014	SBSSTC, FEROZEPUR	GGSCMT, KHARAR	Recent Trends in Communication Systems
18.	May 25 th ,2015	June 5 th 2015	SBSSTC, FEROZEPUR	SBSSTC, FEROZEPUR	Research Techniques
19.	28 th Dec,2015	08 th Jan,2016	Govt Polytechnic College Mohali [Khunimajra]	NITTTR CHANDIGARH	Research Methodology through ICT
20	23/5/2016	27/5/ 2016	Govt Polytechnic College Mohali [Khunimajra]	NITTTR CHANDIGARH	2G vs 3G
21	11/7/16	15/07/2016	Govt Polytechnic College Mohali [Khunimajra]	NITTTR CHANDIGARH	Emotional Intelligence
22	28/11/2016	2/12/2016	Govt Polytechnic College Mohali [Khunimajra]	NITTTR CHANDIGARH	Matlab & Its Hardware Interface