

Dr. Sanjay Jamwal



Experience

Teaching

(15 years +)

BGSBU University

11th year

Govt College:

4 yrs 6months

2006-onwards **Baba Ghulam Shah Badshah University** Rajouri
(9th August 2006 – onwards)

Assistant Professor

- Teaching M.C.A (Masters in Computer Applications)

2004-2006 **WOMEN COLLEGE PARADE** Jammu
(18th Aug 2004 – 31st March 2005 & 18th July 2005 – 16th May 2006)

Lecturer(academic session)

- Teaching B.C.A classes.

2002–2004 **G.G.M.SCIENCE COLLEGE** Canal Road,JMU
(10th Sep 2002 – 20th April 2003 & 16th Aug – 31st March 2004)

Lecturer(academic session)

- Teaching B.C.A classes.

1998–2000 **MIER COLLEGE** Opp KC theatre,J&K
(Affiliated to Jammu University)

Lecturer (1st Aug 1998 – Feb 2000)

- Teaching POST GRADUATE DIPLOMA IN COMPUTER APPLICATIONS (affiliated to JAMMU UNIVERSITY, JAMMU).

Administration

(6 years & 2 months)

- Course Coordinator for BCA program from 20th October 2009 to July 2015, in the department of Computer Sciences, Baba Ghulam Shah Badshah University, Rajouri.

Nodal Officer

- Nodal Officer of the university (NKN project) vide university order No. BGSBU/Estab/10/45085-88 dated: **27/11/2010 till 16-06-2016.**

NMEICT Project

- NMEICT Project funded by Ministry of Human Resource & Development which has given 1 Gbps fibre connectivity to the

(5years)

University at a cost of 2 Crore and work is in progress for LAN layout at a cost of 52 lakhs.

- WiFi project proposal conceived & sent to HVC for approval

Education

- 1994–1998 **University of Jammu** Jammu
- **Masters in computer applications in first division.**

2005-2006 **Annamalai University** Tamilnadu

- **MPhil in computer science**

2006 - 2011 **university of Jammu** Jammu

- **PhD in Computer Science**

Conference / seminar / workshop organised (4)

- Organised an eight days National workshop on “Linux administration and Open source softwares”, in the dept of Computer sciences from 11th March to 18th March 2016.
- Organised a workshop on “ Wireless and Computer Networks” in the Dept of Computer sciences, BGSBU, on 27th & 28th Feb, 2015
- Organised a National Seminar On “Research Opportunities & Challenges In Computer Sciences”, in the Dept Of Computer sciences on 10th October, 2015 , Rajouri.
- One IT fest organised in 2005, in which National seminar on “EGovernance & IT” was a part, including quizzes and debates.

Papers published In Journal /Conference proceeings

- 19 Papers published in **International Journals**
- 2 Papers published in **National Journals**
- 12 Papers published in Conference Proceedings with ISSN & ISBN No.
- 13 Papers published in peer reviewed conference proceedings
- (See Appendix-A for details)

Conferences/ seminar attended

- 24 National & Three International Conference attended.
(See Appendix-A for details)

Paper presented in Conferences /

- 39 Papers presented in National & International Conferences
(See Appendix-A for details)

Seminars

Memberships

- Life membership of COMPUTER SOCIETY OF INDIA
- Life membership of Indian Science Congress Association.
- Life membership of IETE.

Refresher course

- Attended **Refresher course** on “COMPUTER NETWORKS – PRESENT AND FUTURE” in Thappar Institute of Engineering & Technology (Patiala) from 5th December to 24th of December 2005.
- Attended **Refresher Course** on “E-Resources & ICT in Teaching & Research (RC-296) from 19-09-2016 to 08-10-2016 by UGC-HRDC, H.P University, Summer Hill, Shimla.

General Orientation Course

- Attended one month General Orientation Course in University of Jammu from 18th June 2008 .

Staff development programme

- Attended AICTE sponsored faculty development programme in Computer Science Department, Baba Ghulam Shah Badshah University, 10th to 25th June 2009.

Workshops (Attended 8) (Organised 2)

1. Resource person in the workshop “Technoflash” from 14th to 18th May 2003.
2. Workshop on “National Knowledge Network” on 25th March, 2011, in Delhi University, New delhi
3. National workshop on “Recent trends in Mathematics and their applications”, organised by the department of Applied Mathematics, BGSB University, 20 March, 2012.
4. Workshop on “Network Security” organised by Dept of IT & Engg on 3rd of September, 2012 , BGSB University, Rajouri, J&K.
5. Workshop on “National Knowledge Network” on 13th October, 2012, in University of Kashmir, J&K.
6. Workshop on Network Implementation & Security at College of Engg & Technology,BGSBU on 13-14th March 2014, organised by Association for Computing Machinery – IIT Delhi and Network Bulls
7. Workshop on Information Literacy and plagiarism from 1st Dec to 10th Dec 2014, organised by Library sciences dept.

8. Organised a workshop on “ Wireless and Computer Networks” in the dept of Computer sciences, BGSBU, on 27th & 28th Feb, 2015
9. Fourth National Knowledge Network Annual Workshop, , organised by Ministry of Communication and Information technology, GOI, Jawahar Lal Nehru Technical University, Kukatpally, Hyderabad, January 21-22, 2016.
10. Organised an eight days National workshop on “Linux administration and Open source softwares”, in the dept of Computer sciences from 11th March to 18th March 2016.

PhD Supervisor

- Guiding three PhD students in the field of Web and Internet security and MPhil student in the field of Networking.
- One PhD student submitted thesis. Waiting for Viva Voce.

MPhil Guide

- Recognised as a guide by Periyar University vide approval number MCS 5308/2007 after proper permission from competent authority of BGSB University vide order BGSBU/estab/07/2815-20 dated 22-10-2007.

MPhil students guided

- 8 Students from Periyar University , Salem, Tamil Nadu guided for their thesis work.
- 5 students from dept of computer sciences, BGSBU, awarded.

Research

- PhD thesis on the topic “ A Study of Information & Communication Technology in Agriculture and Rural development in the J&K state” , Computer Science Department, University Of Jammu, Jammu.

Technical Session Chaired

- Chaired a technical session in the National Conference On Recent Innovations and Advancements in IT, Nov 26- 27, 2014.

Resource Person

- Resource Person in State level Conference on e-Governance Scenario in J&K, sponsored by Dept of IT, Govt of India and organised by Central University of Kashmir, dated june 7, 2011, venue:SKICC, Srinagar.

Reviewer

Reviewer of Computer science track Papers in International Conference: “ Commune -2015”, Organised at Kashmir University, March 16 – 18, 2015.

Extra-curricular

1. Member of the organising committee. IT Festival was held at Women College, parade, Jammu on 29th & 30th August, 2005 in collaboration with Dainik Jagran Newspaper in which paper

- presentations, quiz competition, cultural programmes were held.
2. Anchored quiz competition and group discussion between various colleges in women college, Parade, 2004
 3. Organised All J&K Inter College Lecturers Open Discussion “Should higher education be privatised”, 2005
 4. Organised and participated in the discussion on the topic “should higher education be privatised” on 11th of February 2006 held at govt college for women, parade, Jammu.
 5. Organised student conference in National Seminar on Current Trends in Mobile Computing”, BGSBU, Rajouri, November 28-29, 2008.
 6. Organized charity shows for the **old age house** at karan Nagar, Jammu in the year 1992-93 & 1993-94 at Abhinav theatre.
 7. Member of the Organising committee, National Conference (RIAIT-2014), November 26th & 27th, 2014.

Appendix A

Papers published in International Journals

1. Alam, A., Jamwal, S., & Sepheri, M.M (2010)., “Applying Data Mining to Customer Churn Prediction in an Internet Service Provider”, International Journal of Computer Applications (0975 – 8887), Nov 2010, 9– (7), , 8-14.

2. Jamwal,S. (2011),” Project Proposal On Impact Assessment Of Village Resource Centers (VRC) In Achieving Millenium Development Goals”, International Journal of Information Technology and Knowledge Management, January-June 2011, 4(1), 119-124., ISSN:0973-4414
3. Jamwal,S.(2011), “Perception of Agriculture staff in the implementation of ICT in Agriculture and Rural Development in J&K state (India)”, International Journal of Information Technology and Knowledge Management, July-Dec 2011, 4(2), 403-407., ISSN:0973-4414
4. Jamwal,S.(2011), “An Approach to Mobile Telecom Churn Handling in India”, International Journal of Computer Information Systems, April 2011, 2(4), 54 - 58, ISSN 2229-5208.
5. Jamwal,S. & Padha,D.(2011), “A case of ICT in Agriculture & Rural Development”, International Journal of Engineering Sciences, special edition, Sept 2011, 4(1)., 114-122, ISSN 2229-6913.
6. Mirza Waseem, Sanjay Jamwal, Majid zaman,” Congestion Control Techniques in Computer Networks-A survey”, International Journal of Computer Applications (0975 – 8887) Volume 111 – No 2, 7-10, February 2015.
7. Mirza Waseem, Sanjay Jamwal, Majid zaman, “Intelligent Congestion Control algorithm in a Network: Possible Alternatives”, International Journal on advance research in Computer Science & Software Engineering”,Vol 5, Issue 1, Jan 2015, 282-284,ISSN 2277 128X .
8. Shazia Shafi, Sanjay Jamwal, “A Model for Detection of Application Layer Denial of Service Attacks using Group Testing Theory”, International Journal of Computer Science & IT, Vol. 6 (2) , 2015, 931-935, ISSN: 0975-9646.
9. Shazia Shafi, Sanjay Jamwal, “ A review of Application Layer Denial of Service Attacks and Detection Mechanism”, ”, (IJARCSSE) International Journal of Advance Research on Computer Science and Software Engineering, Vol 5(2), Feb- 2015, pp. 282-284, ISSN:2277 128-X.
10. Tejinder singh Mehta, Sanjay Jamwal, “ A model to prevent websites from XSS vulnerabilities”, (IJCSIT) International Journal of Computer Science and Information Technologies, Vol. 6 (2) , 2015, 1059-1067, pp. 1059-1067, ISSN:0975 9646.
11. Tejinder singh Mehta, Sanjay Jamwal, “ A Survey of XSS Payload and Exploiting Issues of XSS Vulnerabilites”, (IJARCSSE) International Journal of Advance Research on Computer Science and Software Engineering, Vol 5(2), Feb- 2015, pp. 513-517, ISSN:2277 128-X.
12. Gulzar Ahmad Wani , Dr. Sanjay Jamwal, “ Security Model to detect and avoid wormhole attack using AODV protocol”, (IJCSIT) International Journal of Computer Science and Information Technologies, Vol. 6 (2) , 2015, 1044-1049, ISSN:0975 9646.
13. Gulzar Ahmad Wani , Dr. Sanjay Jamwal, “ A Survey on network layer attacks and their counter measures”, (IJARCSSE) International Journal of Advance Research on Computer Science and Software Engineering, Vol 5(2), Feb- 2015, pp. 787-793, ISSN:2277 128-X.
14. Aqib Malik , Dr. Sanjay Jamwal, “ A Model to restrict Online password guessing Attacks”, (IJCSIT) International Journal of Computer Science and Information Technologies, Vol. 6 (2) , 2015, 1204-1208.
15. Mirza Waseem, Sanjay Jamwal, Majid zaman, “ Congestion avoidance by estimating proper round trip time(RTT) using neural networks”, International Journal Of Research In Electronics

And Computer Engineering (IJRECE) VOL. 3 ISSUE 3 JULY-SEPT. 2015 ISSN: 2393-9028 (PRINT), pp 96-102,

16. Mirza Waseem, Sanjay Jamwal, "Comparative Analysis of Various routing protocol", INTERNATIONAL JOURNAL OF Modern Engineering Research (IJMER) VOL. 6 ISSUE 3 March. 2016 ISSN: 2249-6645, pp 96-102.
17. Gulzar Ahmad Wani , Dr. Sanjay Jamwal, " Examination of AODV Routing Protocol with Wormhole attack", (IJCA) International Journal of Computer Applications, Vol. 135 (5) , Feb 2016, 31 - 35, ISSN:0975 8887
18. Gulzar Ahmad Wani , Dr. Sanjay Jamwal, " Discovering of wormhole node by Hop count and delay", (IJAERD) International Journal of Advance Engineering & Research Development, Vol. 3 (1) , Jan 2016, 20-24, p-ISSN (P): 2348-6406 e-ISSN (O): 2348-4470
19. Gulzar Ahmad Wani , Dr. Sanjay Jamwal, " Security Model to detect and avoid wormhole attack using AODV protocol", (IJMTER) International Journal of Modern Trends In Engineering & Research, Vol. 3 (1) , Jan 2016, 12 - 17, p-ISSN (P): 2393-8161 e-ISSN (O): 2349-9745

Papers published in National Journals

1. Jamwal,S, Vibhakar Mansotra & Atul Bajpai (2006), " A study of Trends, Applications and uses of ICT in J&K state", Indian Journal of Bio Research (ISSN 0971-0027) Vol. 50 No 7 pp 168-171 .
2. Jamwal,S, Vibhakar Mansotra & Atul Bajpai (2006), " Role of Information and Communication Technology in Agriculture and Rural Development in J&K state-A Model", Indian Journal of Bio Research (ISSN 0971-0027) Vol. 50 No 7 pp 171-176 .

Paper published in Refereed Conference Proceedings with ISSN / ISBN No

1. Jamwal,S & Majid Malik,(2007), "Information commons & the issues", "INDIACom-2007, Computing for Nation Development" , ISSN 0973-7529 7 & ISBN 978-81-904526-0-1., pp 093- 096.
2. Jamwal,S, Vibhakar Mansotra,(2007), " Trends , Applications, and Uses of ICT in Agriculture" , "INDIACom-2007, Computing for Nation Development" , ISSN 0973-7529 7 & ISBN 978-81-904526-0-1., pp 670.
3. Sanjay Jamwal, M.asger, (2009) "A Survey of QOS in Mobile Adhoc networks", "3rd INDIACom-2009 - Computing for Nation Development" , ISSN 0973-7529 7 & ISBN 978-81-904526-0-1. pp 157 – 160.
4. Jamwal,S, DevAnand, (2009) "ICT as an stimulus for development in developing countries", "3rd INDIACom-2009 - Computing for Nation Development", ISSN 0973-7529 7 & ISBN 978-81-904526-0-1., pp 7-10.
5. Jamwal,S, DevAnand,(2009) "A Study of Information and Communication Technology in the area of Agriculture and Rural Development in J&K state", " 3rd INDIACom-2009 - Computing for Nation Development", ISSN 0973-7529 7 & ISBN 978-81-904526-0-1., pp 3 – 6.

6. Jamwal,S, M.Asger (2009), "Wireless Sensor Network empowering Mobile Computing in Pervasive Computing", IEEE International advanced Conference on Computing, Thappar University, Patiala, ISBN: 978-981-08-2465-5, Appl -1104 ,March 6-7th ,2009
7. Mirza Waseem Hussain, Sanjay Jamwal & Majid Zaman (2014), " Various Congestion Control Techniques in Computer Networks", RIAIT'2014, ISBN: 978-93-5212-284-4, pp 134-139, November 26-27.
8. Gulzar Ahmad Wani & Sanjay Jamwal (2014), "Various Active Attacks of Network Layer MANET: A Review ", RIAIT'2014, ISBN: 978-93-5212-284-4, pp 161-165, November 26-27
9. Shazia Shafi & Sanjay Jamwal (2014), "A Survey on Distributed Denial of Service Attacks and Defense Mechanism ", RIAIT'2014, ISBN: 978-93-5212-284-4, pp 171-174, November 26-27
10. Aqib Malik & Sanjay Jamwal (2014), "A Review on Online Password Guessing Attacks and their Countermeasures ", RIAIT'2014, ISBN: 978-93-5212-284-4, pp 175-178, November 26-27
11. Vikrant Sharma & Sanjay Jamwal (2014), "Plant Disease Detection: A Survey ", RIAIT'2014, ISBN: 978-93-5212-284-4, pp 179-183, November 26-27
12. Tejinder Singh Mehta & Sanjay Jamwal (2014), "Survey to Prevent Websites from XSS Vulnerabilities ", RIAIT'2014, ISBN: 978-93-5212-284-4, pp 184-187, November 26-27

Papers published in conference proceedings

1. Jamwal,S. (2005) "Track leading towards implementation of world wide scalable web documents" Conference Proceedings, first J&K Science Congress, Jammu University .
2. Jamwal,S.(2005) " Role of distributed computing in Wide Area Network" ,Conference Proceedings, " Emerging Computer Technologies".
3. Jamwal,S.(2006), "Distributed computing", Conference Proceedings, 93rd Indian Science Congress .
4. Jamwal,S. (2006) "Survival of the fittest-Ethernet against the giant ATM", Conference Proceedings, Emerging trends in Electronics Technolgies " , pp 3 – 6.
5. Jamwal,S,& Roopali (2006) "Empirical Analysis of Internet search engines" Conference Proceedings, "Emerging trends in Electronics Technolgies " , pp 45 – 48.
6. Jamwal,S & Sakshi Arora,(2006), " A meta search tool for web mining", Conference Proceedings, " Emerging trends in Electronics Technolgies " , pp 103 –106.
7. Jamwal,S & G.L.Kaul.(2006), "Information commons and the issues in Open software" Confernce Proceedings, "National seminar on ICT for productivity ICTP", pp 151-153.
8. Jamwal,S, Vibhakar Mansotra & G.L.kaul.(2006), "Role of Information & Communication technology in Agriculture and rural development", Conference Proceedings, "National seminar on ICT for productivity ICTP", pp 58 – 62.

9. Jamwal,S, Shah Waleed.(2008) "Future trends in Mobile Communications -Managing resources and security", Conference Proceedings, "Current Trends in Mobile Computing",.
10. Jamwal,S, Vinod Sharma,(2008), " RFID technology- An Overview", National Seminar on Current Trends in Mobile Computing", BGSBU,Rajouri,.
11. Jamwal,S, Roopali (2010),"Action building for IT diffusion in rural India", Seminar proceedings,GCW Parade, Feb 23-24th,2010.
12. Jamwal,S (2010) "Perception of Agri-staff in Implementation of ICT in India", Conference proceedings, 6th J&K Science Congress, university of Kashmir.
13. Jamwal,S,(2011) " Role of ICT in agriculture & Rural Development", Conference proceedings, 7th J&K Science Congress, University of Jammu.

Conferences/ Seminars attended

1. First J&K Science Congress which was held in Jammu University from 7th Feb to 9th Feb 2005.
2. National Seminar On IT- Emerging challenges and opportunities held at Parade College, Jammu on 29th & 30th August, 2005.
3. U.G.C Sponsored National Conference on " Emerging Computer Technologies" organised by Hans Raj Mahila Maha Vidyalaya, Jalandhar city on September 29 – 30 , 2005.
4. 93rd Indian Science Congress in Hyderabad, hosted by Acharya N.G.Ranga Agricultural University, Rajendranagar, Hyderabad (AP) from January 3 to 7, 2006.
5. "National conference on Bioinformatic computing" held on February 19, 2006 at Chaudhary Devi Lal University, Sirsa.
6. "National Conference on emerging trends in Electronics Technologies " held on 4th & 5th March, 2006 at Shri Mata Vaishno Devi University, Kakrial, Katra(Jammu) organised by Institution Of Electronics and Telecommunication Engineers (IETE) Jammu centre
7. 3rd International Conference on " Mobile, Ubiquitous & Pervasive Computing" 18th & 19th December, 2006 held at VIT University, Vellore, Tamilnadu.
8. National seminar on ICT for productivity ICTP", December 23, 2006 at Sardar Patel University, Vallabh Vidyanagar, Gujarat.
9. INDIACom-2007, National Conference on Computing for Nation Development , Bharti Vidyapeeth, New Delhi ,February 23-24, 2007.
10. National Seminar on Current Trends in Mobile Computing", BGSBU,Rajouri, November 28-29, 2008.
11. National Seminar on "Impact of IT on Society: Emerging trends and Issues", GCW parade,

Feb 21, 2009.

12. INDIACom-2009, National Conference on Computing for Nation Development , BVICAM, New Delhi, February 26-27, 2009.
13. "Wireless Sensor Network empowering Mobile Computing in Pervasive Computing", IEEE International advanced Conference on Computing, Thappar University, Patiala, March 6-7, 2009.
14. National IT seminar on "Role of IT in the development of country: Present Scenario, future scope", GCW Parade, Dec 23-24, 2009.
15. Two day IETE Zonal seminar on organised by IETE Jammu centre and Computer Science & IT dept, University of Jammu, 10th and 11th September 2010
16. 6th J&K Science Congress, University of Kashmir, 2nd to 4th Dec 2010.
17. IndiaCom-2011, National Conference on Computing for Nation Development, BVICAM, New Delhi, February 9-10, 2011.
18. National Knowledge Network Workshop/seminar at Delhi University, New delhi, 25th March 2011.
19. Seminar on National Integration Organised by CRPF Rajouri, 18th March 2011.
20. State level Conference on e-Governance Scenario in Jammu & Kashmir, sponsored by Dept of IT, Govt of India and organized by Central University of Kashmir, June 7, 2011.
21. 7th J&K Science Congress, University of Jammu, 13-15 oct 2011.
22. National Conference(RIAIT-2014), November 2^{6th} & 2^{7th} , 2014
23. National Seminar On Research Opportunities & Challenges In Computer Sciences, Organised by Dept Of Computer Sciences on 10th October, 2015 , Dept of Computer Sciences, BGSB University, Rajouri, J&K.
24. Two day Seminar on " Advances in Electrical Engineering" April 05-06, 2016, organised by department of Electrical & Renewable Energy Engineering" , BGSB University, Rajouri, J&K.

Paper presented in Conferences / Seminars

1. Jamwal,S.(2005),"Track leading towards implementation of world wide scalable web documents" first J&K Science Congress Jammu University , Feb 7th to 9th 2005.
2. Jamwal,S. (2005), "Role of E-governance in Indian scenario" in National Seminar On IT-Emerging challenges and opportunities held at Parade College, Jammu on 29th & 30th August, 2005.
3. Jamwal,S.(2005) " E-governance- A success or a failure" in National Seminar On IT-Emerging challenges and opportunities held at Parade College, Jammu on 29th & 30th

August, 2005.

4. Jamwal,S,(2005) " Role of distributed computing in Wide Area Network" ,National Conference on " Emerging Computer Technologies" , Hans Raj Mahila Maha Vidyalaya, Jalandhar city, September 29 – 30 , 2005.
5. Jamwal,S.(2006) "Distributed computing", 93rd Indian Science Congress, Hyderabad, Acharya N.G.Ranga Agricultural University, Rajendranagar, Hyderabad (AP), January 3 - 7, 2006.
6. Jamwal,S.(2006), " Bioinformatics : Integration of biology and computers" , National conference on Bioinformatic computing ,February 19, 2006 at Chaudhary Devi Lal University, Sirsa
7. Jamwal,S.(2006), "Linux and Perl, computer tools for study and analysis of biological information" , National conference on Bioinformatic computing" held on February 19, 2006 at Chaudhary Devi Lal University, Sirsa.
8. Jamwal,S.(2006), "Survival of the fittest-Ethernet against the giant ATM", " National Conference on emerging trends in Electronics Technolgies " , 2006 at SMVD University, Kakrial, Katra & (IETE) Jammu centre, 4 - 5th March.
9. Jamwal,S.(2006), "Empirical Analysis of Internet search engines" "National Conference on emerging trends in Electronics Technolgies " , 2006 at SMVD University, Kakrial, Katra & (IETE) Jammu centre, 4 - 5th March
10. Jamwal,S., & Jamwal,R.(2006)" Performance evaluation in computer networks", " National Conference on emerging trends in Electronics Technolgies "National Conference on emerging trends in Electronics Technolgies " , 2006 at SMVD University, Kakrial, Katra & (IETE) Jammu centre, 4 - 5th March
11. Jamwal,S & Arora,S.(2006), " A meta search tool for web mining", "National Conference on emerging trends in Electronics Technolgies "National Conference on emerging trends in Electronics Technolgies " , 2006 at SMVD University, Kakrial, Katra & (IETE) Jammu centre, 4 - 5th March.
12. Jamwal,S.(2006), " E-governance in J&K " in 3rd International Conference on " Mobile, Ubiquitous & Pervasive Computing" 18th & 19th December, 2006 held at VIT University, Vellore, Tamilnadu.
13. Jamwal,S & Kaul,G.L.(2006),"Information commons and the issues in Open software" "National seminar on ICT for productivity ICTP", December 23, 2006 at Sardar Patel University, Vallabh Vidyanagar, Gujarat.
14. Jamwal,S, Mansotra,V. & kaul,G.L.(2006)," Role of Information & Communication technology in Agriculture and rural development" "National seminar on ICT for productivity ICTP", December 23, 2006 at Sardar Patel University, Vallabh Vidyanagar, Gujarat
15. Jamwal,S & Malik, M.(2007), "Information commons & the issues" INDIACom-2007, National Conference on Computing for Nation Development , Bharti Vidyapeeth, New Delhi ,February 23-24, 2007.

16. Sanjay Jamwal.(2007), “ Trends , Applications, and Uses of ICT in Agriculture” , INDIACom-2007, National Conference on Computing for Nation Development , Bharti Vidyapeeth, New Delhi ,February 23-24, 2007.
17. Jamwal,S.(2008),” A Survey of QOS in Mobile Adhoc networks”, National Seminar on Current Trends in Mobile Computing”, BGSBU,Rajouri, November 28-29, 2008.
18. Jamwal,S.(2008),” Future trends in Mobile Communications-Managing resources and security”, National Seminar on Current Trends in Mobile Computing”, BGSBU,Rajouri, November 28-29, 2008.
19. Jamwal,S.(2008),” MAC protocols In Adhoc networks”, National Seminar on Current Trends in Mobile Computing”, BGSBU,Rajouri, November 28-29.
20. Jamwal,S.(2008),” RFID technology- An Overview”, National Seminar on Current Trends in Mobile Computing”, BGSBU,Rajouri, November 28-29, 2008.
21. Jamwal,S.(2008),” Middleware support for Mobile Adhoc networks”, National Seminar on Current Trends in Mobile Computing”, BGSBU,Rajouri, November 28-29, 2008.
22. Jamwal,S.(2008)” Role of databases in Mobile adhoc networks”, National Seminar on Current Trends in Mobile Computing”, BGSBU,Rajouri, November 28-29, 2008.
23. Jamwal,S & Singh,P,(2009), “Community Information Centers empowering rural J&K through ICT” National Seminar on Impact of IT on Society: Emerging trends and Issues , GCW Parade , Jammu, 21st Feb 2009.
24. Jamwal,S & Gupta,M.(2009), “E-governance in Rural J&K” National Seminar on Impact of IT on Society: Emerging trends and Issues , GCW Parade , Jammu, 21st Feb 2009.
25. Jamwal,S.(2009), “Biotechnology” National Seminar on Impact of IT on Society: Emerging trends and Issues , GCW Parade , Jammu, 21st Feb 2009
26. Jamwal,S, Asger,M.(2009), “A Survey of QOS in Mobile Adhoc networks”,3rd INDIACom-2009,National Conference on Computing for Nation Development , BVICAM, New Delhi, February 26-27, 2009.
27. Jamwal,S, Padha,D.(2009), “ICT as an stimulus for development in developing countries”,3rd INDIACom-2009,National Conference on Computing for Nation Development , BVICAM, New Delhi, February 26-27, 2009.
28. Jamwal,S, Padha,D.(2009), “A Study of Information and Communication Technology in the area of Agriculture and Rural Development in J&K state”,3rd INDIACom-2009,National Conference on Computing for Nation Development , BVICAM, New Delhi, February 26-27, 2009.
29. Jamwal,S, Asger,M.(2009), “Wireless Sensor Network empowering Mobile Computing in Pervasive Computing”, IEEE International advanced Conference on Computing, Thappar University, Patiala, March 6-7, 2009.

30. Jamwal,S & Jamwal,R.(2010), "Action building for IT diffusion in Rural India" National Seminar on "Role of IT in the development of country: present scenario, future scope" , GCW Parade , Jammu, 21st Feb 2010
31. Jamwal,S,(2010), "A Case of ICT in Agriculture and Rural Development in India", Paper id-CS-14, 6th JK Science Congress University of Kashmir, Dec 2-4, 2010.
32. Jamwal,S,(2011) " Common Service centres and services provided by them- concerns and suggestions to improve them.", Conference on e-Governance Scenario in Jammu & Kashmir, sponsored by Dept of IT, Govt of India and organized by Central University of Kashmir, Venue SKICC, June 7, 2011.
33. Jamwal,S,(2011) "Perception of Agriculture Staff in use of ICT in Agriculture & Rural Development in J&K", 7th JK Science Congress, University of Jammu, Oct 11-13, 2011.
34. Jamwal, S(2014), " Congestion Control Techniques: A Survey", National Conference(RIAIT-2014), November 26th & 27th , 2014.
35. Jamwal, S(2014, " Plant disease detection: A survey", National Conference(RIAIT-2014), November 26th & 27th , 2014.
36. Jamwal, S(2014), " Survey to prevent websites from XSS Vulnerabilities", National Conference(RIAIT-2014), November 26th & 27th , 2014.
37. Jamwal, S(2014), "Various active attacks of network layer in Manet: A review", National Conference(RIAIT-2014), November 26th & 27th , 2014.
38. Jamwal, S(2015), " Big Data : Issues & Challenges", National Seminar On Research opportunities & Challenges in Computer Sciences", October 15, 2015.
39. Jamwal, S(2016), "Open Source Software", National Workshop On Linux Administration & Open Source Softwares", March 11- 18th , 2016.

Appendix B

PhD Student being guided Guided:

1. Mirza Waseem, " Congestion Control in computer networks using Soft Computing approach", registration date: 17-october-2014.
2. Gulzar Ahmed Wani
3. Shazia Shafi
4. Tejinder Singh Mehta

MPhil Students Guided

BGSBU University:

1. Tejinder Singh Mehta, Registration No: BGSBU/08/509-MCA, " Model to prevent websites from XSS vulnerabilities"
2. Gulzar Ahmed Wani, Registration No: BGSBU/14/M.Phil/15-CS, " Security Model to detect and avoid security loopholes in MANET using AODV protocol"
3. Aquib Malik, Registration No: BGSBU/14/M.Phil/16-CS, " A model to restrict Online password guessing attacks"

4. Shaazia Shafi, Registration No: BGSBU/14/M.Phil/17-CS, "A Model for Detection of Application Layer Denial of Service Attacks using Group Testing Theory "

Guiding :

1. Firasat Nabi, Registration No. BGSBU/15/Mphil/

Periyar University:

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4. Samita Sharma, .Registration No "06DCCC4981", " Role of Reliable Services In Mobile Computing Environments"
5. Sanjay Kumar, .Registration No "06DCCC3335", " Role of Cryptography in Network Security"
6. Robina Nasreen, .Registration No "06DCCC4984", " Role of databases in computer networks"
7. Sonika Verma, .Registration No "06DCCC4982", "scalability issues in networking"
8. Riaz Ahmed, .Registration No "06DCCC4981", " wireless network: future prospective"