

Dr. Sanjay Jasola

(Recipient of gold medal for innovation in open and distance learning by IGNOU,2006)



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Dean, Student Affairs
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PROFESSIONAL QUALIFICATIONS

	Degree	Institution	Duration
1	Bachelor of Technology (Computer Science & Engineering)	Kamla Nehru Institute of Technology, Sultanpur, India	1984-88
2	Master of Technology (Computer Science & Technology)	University of Roorkee, Roorkee, India (Presently-Indian Institute of Technology, Roorkee)	1994-96
3	Ph D (Computer Science) (Performance of Mobile IPv6 protocol binding management and QoS)	Jawaharlal Nehru University, New Delhi, India	2001-06
4	Post Graduate Diploma in Distance Education	Indira Gandhi National Open University (IGNOU), New Delhi, India	2002
5	Master of Arts in Distance Education	Indira Gandhi National Open University (IGNOU), New Delhi, India	2010

INTERNATIONAL ASSIGNMENTS

- Worked as an Associate Professor of Computer Science in the School of Science and Technology, Wawasan Open University, Penang, **Malaysia**. Established the school and taught Computer Science subjects to Bachelor of technology students from Feb 2007 to Feb 2009.
- Adjunct Associate Professor of The University of Fiji, Lautoka, **Fiji** 2008 onwards.
- Provided consultancy to St. Mary's University College, Addis Ababa, **Ethiopia** for creating IT infrastructure for its Distance Education Division in July 2006.
- Taught Multimedia networks to Bachelor of technology students of South Taiwan University of Technology, Tainan, **Taiwan** in March 2007.
- Visited Universities in **Singapore, Indonesia, Thailand, HongKong, Cambodia** for academic exchange programmes in 2007-2008.

- Conducted first ever and second learning4content (OER) workshops for Commonwealth of Learning, Canada at Wawasan Open University, Penang, **Malaysia** from Feb 2009 to Feb 2009 on developing Wiki skills for the senior academics, administrators and policy makers of the educational institutions of Malaysia.
- Training of Trainers of Commonwealth countries on **Easynow** at Wawasan Open University, Malaysia from June - June 2010.
- Member of delegation of Gautam Buddha University to sign MoUs with **UK** universities in July 2010.

ELECTRONIC MEDIA PRESENCE

- **Telecast of my recorded Video lectures** on the topics of Computer networks on educational T.V. channel of Doordarshan, India.
- Conducted several **two way video conferencing** on Internet and related topics for MCA, BIT and BCA students of IGNOU on the satellite network of Edusat, India.
- Conducted three Video conferencing training sessions in May 2007 and in Nov 2007 and Jan 2008 in Penang and Kuala Lumpur for the tutors of computer science courses.
- **Broadcast of talks** on All India Radio, N Delhi on topic "Careers in Computers" on July 5, 2002, July 29 & 5th Aug 2003, Talk on "IT in Crime Detection" on April 2004, "Role of Computer Networks" on Oct 2004.
- **Telecast of live talk** on Sahara Samay (a national TV channel) on career options on May 2009 and Sahara UP & Uttrakhand (a Regional TV channel) on May 2009.

MEMBER EXPERT / SELECTION COMMITTEES

- Board of Management, Gautam Buddha University, Greater NOIDA.
- Accreditation committee of DOEACC, Ministry of Communication & Information Technology, India for their O (certificate), A (Diploma), B (undergraduate), C (Post graduate) level courses.
- Expert committee for approving BCA, BBA, courses of HNB Garhwal University.
- Gautam Buddha University, Greater NOIDA for the appointment of Professors, Associate Professors, Assistant Professors and Research Associates.
- Defense research & development organization, Ministry of Defense, India for the selection of Scientists.
- For the appointment of Readers of Amrawati University, Amrawati, India
- For the recruitment of Faculty in Computer Science at Rashtriya Indian Military College, Dehradun, Ministry of Defense, India.
- For the appointment of lecturers at Akola University, Akola, India.
- Expert committee for MBA e-business of School of Management, IGNOU, New Delhi

PROFESSIONAL AFFILIATION

- **Fellow** of Institution of Engineers (India).
- **Fellow** of Institution of Electronics & Telecommunication Engineers (India).
- WikiEducator Ambassador
- Life member of Computer Society of India.
- Life member of Indian Society for Technical Education (ISTE).
- Chairman, ISTE Chapter, Gautam Buddha University
- Founder student counselor of Computer Society of India, student branch, KNIT Sultanpur.
- Chartered Engineer of Institution of Engineers (India).
- Member of International Association of Lions Club.

MEMBER ACADEMIC BOARDS

- Gautam Buddha University, Greater NOIDA
 - Member of Academic Council
 - Member of Board of Studies of the School of ICT
- Wawasan Open University, Penang, Malaysia
 - Member of Senate (Highest council for academic matters in University)
 - Member of Board of Studies of the School of Science and Technology
 - Member of advance standing committee for providing credit transfers
- Member of Board of Studies of Computer Science and Engineering Department, Thaper University, Patiala, India
- Member of Board of Studies of Computer Science Department, Uttrakhand Open University, Haldwani, India
- Member of Research Degree Committee of Computer Science Department, Uttrakhand Technical University, Dehradun, India
- Member of Board of Studies of Computer Application Department, Graphic Era University, Dehradun, India
- Member of Board of Studies of the Faculty of Computer Science, HNB Garhwal University, Srinagar, India
- Member of Board of Studies of the Department of Computer Science, MJP Rohilkhand University, Bareilly, India
- Member of Board of Studies of the Department of Computer Science and Engineering, KNIT, Sultanpur, India

PROJECT FUNDING & CONSULTANCIES

While working in IGNOU, New Delhi which is one of the largest open university in the world with the enrolment of 1.5 million students, as a team member prepared and submitted following research and development proposals to Govt funding agencies, Institutions.

For the establishment of Satellite based Wide Area Network

Government of India had launched a satellite for education (Edusat) in Sep 2004. For the online delivery of the content of IGNOU, a network of satellite interactive stations using Edusat at 134 locations all across India was created by May 2006

- For creating digital repository of the courseware

Most of the course material of IGNOU in print, audio and video cassettes has been converted in digital format. This digital repository has the multimedia courseware for more than 100 courses and it can be accessed online.

Provided consultancy to Commonwealth Educational and Media Centre in Asia (CEMCA), New Delhi for developing a low cost video conferencing System in 2008.

I was given consultancy work by prestigious Indian Institute of technology, Roorkee for planning, designing and supervision of implementation work of their Wifi based Campus Network worth Rs 10,000,00 .

Got consultancy work from Commonwealth Educational Media Centre for Asia, New Delhi for conducting a 3 days Workshop on Open Educational Resources and WikiEducator of Learning from June 9-11, 2010 for the Professors of Gautam Buddha University, Gr Noida.

EDITORIAL BOARD MEMBER

- **Journal of Networks**, ISSN 1796-203x, Academy Publishers, OULU, Finland
- **Journal of Computers**, ISSN 1796-2056, Academy Publishers, OULU, Finland
- **Global Journal of Enterprise Information System, New Delhi**

REVIEWER

- **Journal of Computer Standards and Interface**, Elsevier Publications, Holland
- **The Turkish Online Journal of Educational technology, ISSN NO :1303-6521**
- **Computer Engineering Journal of Institution of Engineers (India).**
- **International Journal of Engineering, Science and Technology**, Nigeria
- **Scientific Research and Essays**, Academicjournals.org
- **IEEE** conference on advance learning technologies (ICALT 2007), Japan
- **Advances in Computer Science and Technology 2008 (ACST 2008)**, Malaysia
- Co chair of Workshop on Digital content, digital life, e-learning, web services and HCI at 2008 International Computer Symposium, Tamkang University, Taipei, Taiwan

RESEARCH

My research interests span the areas of mobile computing, network protocols, quality of service (QoS) in IP based networks, elearning, Open educational resources and application of networks in distance education. Most of my research over the years has been in the mobility and QoS aspect of IP based Networks. Recently I have been working in the area of Webcasting, learning management system, Open education resources, e-learning and use of technology for reaching to unreached. The list of my publications is given below.

PUBLICATIONS

1. Sanjay Jasola, Effective Open and Distance Learning through Low Cost Webcasting System, **EduComm Asia**, Quarterly of Commonwealth Educational Media Centre for Asia, Vol 15(2), pages 19-24, 2010.
2. Sandeep Rana, Sanjay Jasola, Rajesh Kumar, A Hybrid Sequential approach for data clustering using K-Means and Particle Swarm Optimization Algorithm, **International Journal of Engineering, Science and Technology**, MultiCraft Publishers, ISSN 2141-2839 (Online); ISSN 2141-2820 (Print), Vol 2(6) pages 167-176, 2010.
3. Sandeep Rana, Sanjay Jasola, Rajesh Kumar, A review on Particle Swarm Optimization Algorithms and their applications to Data Clustering, **Artificial Intelligence Review**, Springer Publication, 2010
4. Sanjay Jasola, R. C. Sharma, Satellite based distance education in India, **Online Journal of Space Communication**, ISBN-978-1-59140-987-8, Vol 12, Ohio, USA, 2009.
5. Sanjay Jasola, Kinshuk, Analysis of QOS for DVB-RCS based IP network, **Journal of Campus-wide Information Systems**, Emerald Publishers, UK, ISSN-1065-0741, Vol 25 (1), pages 4-17, 2008.
6. Sanjay Jasola, Madhulika Kaushik, A Low cost interactive webcasting system for open and distance learning institutions, **EduComm Asia**, Quarterly of Commonwealth Educational Media Centre for Asia, Vol 13(4), pages 22-25, 2008.
7. Sanjay Jasola, A model for use of WikiEducator for offering free vocational courses, **Proceedings of fifth Pan-Commonwealth forum on open learning, July, 2008**
8. Sanjay Jasola, Wendy Chin Wei, An Analysis of open educational resources for their effective use in Asian Open Universities, **Proceedings of 22 AAOU annual conference**, Tianjing, 2008
9. Sanjay Jasola, R. C. Sharma, **Mobility in IP Networks** Handbook of Research on Mobile Business: Technical, Methodological and Social perspective, ISBN-978-1-59140-987-8 Information Science reference Publication, New York, 2008.
10. Wendy Chin Wei, Sanjay Jasola, Use of Statistical Methods in Quality Assurance of Continuous Assessments, **Proceedings of 21 AAOU annual conference**, Kuala Lumpur, 2007
11. Sanjay Jasola, R. C. Sharma, Security Model for Educational Satellite Networks, **Encyclopedia of Information Ethics and Security**, ISBN-978-1-59140-987-8 Information Science reference Publication, New York, 2007.
12. P.C. Saxena, Sanjay Jasola, Performance of Intelligent Mobile IPv6, **International Journal Of Computer Standards and Interface**, Elsevier Publications, Vol 28, Issue 6, Pages 737-751, September 2006.
13. Sanjay Jasola, P.C. Saxena, Mobility Management in IP based networks, **Technical Review of Institution of Electronics and Telecommunication Engineers**, Vol 23 no 1, Jan –Feb 2006.
14. Sanjay Jasola, Ramesh Sharma, Open and Distance Education through Wireless Mobile Internet: A Learning Model, **International Journal of Instructional Technology and Distance Learning**, 2 (9), pp. 35-47, ISSN 1550-6908, 2005.
15. P.C. Saxena, Sanjay Jasola, A new model for mobility of correspondent node in Mobile IPv6, **Journal of CSI**, Vol 36 no 1, pages 36-48, 2006.
16. P.C. Saxena, Sanjay Jasola, R. C. Sharma, Analysis of QoS and VoIP for Distance Learning, **Turkish Online Journal of Distance Education**, volume 7 (3), July, 2006.

17. Sanjay Jasola, "Edusat: Taking Quality education to unreached" proceedings of **12th International conference on terrestrial and satellite broadcasting**, BES EXPO 2006.
18. P.C. Saxena, Sanjay Jasola, IP Mobility Management, **Encyclopedia of Mobile Computing & Commerce**, Idea Publication, New York, 2006.
19. P.C. Saxena, Sanjay Jasola, Mobility and Quality of Service in IP based Networks, FICOM-05, Proceedings of Nineteenth National Convention of Computer Engineers, Institution of Engineers, Trivandrum, Mar 2005.
20. P.C. Saxena, Sanjay Jasola, IP Mobility Management, Proceedings of National Seminar on Wireless Broadband, Mobility by Institution of Electronics and Telecommunication Engineers, Lucknow, Mar 2005.
21. P.C. Saxena, Sanjay Jasola, Analysis of QoS Model for VoIP and Wireless VoIP Implementation, proceedings of IT-WiNS2004, TIET Patiala, December 2004.
22. Sanjay Jasola, Sanjeev Pathak, Oracle based Open and distance learners information management system, Deepshikha, IGNOU, 2004.
23. P.C. Saxena, Sanjay Jasola, "Mobile Technologies" **EduComm Asia**, Vol 9 No4, **Quarterly of Commonwealth Educational Media Centre for Asia**, June, 2004.
24. Sanjay Jasola, "All about Internet Operations" **EduComm Asia**, Vol 9 No3, **Quarterly of Commonwealth Educational Media Centre for Asia**, March 2004.
25. PC Saxena, Sanjay Jasola, "Open & Distance Learning Through Wireless Mobile Internet, Proceedings of 21st ICDE World Conference on Open Learning and Distance Education, Hong Kong, June 2003.
26. Sanjay Jasola, "Effective Website Design for Open and Distance Learning" Proceedings of XVIth AAOU Annual Conference, Seoul, November 2002.
27. Sanjay Jasola, "Implementation of Virtual Campus" Workshop on Web and Manufacturing Technologies, SOET, IGNOU, 2001.

Communicated for publication

28. P.C. Saxena, Sanjay Jasola, Performance of Improved Hierarchical Mobile Resource Reservation Protocol, **Journal of Computing and Information Technology, Europe**, 2010.

BOOK CHAPTERS / COURSE WARE WRITTEN

1. Sanjay Jasola, 2004, **Building Information System**, Information System for managers, ISBN-81-299-1347-5, Indira Gandhi National Open University (IGNOU), N. Delhi
2. Sanjay Jasola, 2004, **System Analysis and Design**, Information System for managers, ISBN-81-299-1347-5, IGNOU, N. Delhi
3. Sanjay Jasola, 2005, **Introduction to Computers and Satellite communication**, Satellite technology and its integration with peripherals, ISBN-81-266-1871-X, IGNOU, N. Delhi
4. Sanjay Jasola, 2005, **TCP/IP**, Satellite technology and its integration with peripherals, ISBN-81-266-1871-X, IGNOU, N. Delhi
5. Sanjay Jasola, 2005, **Integration of peripheral with Satcom equipments**, Satellite technology and its integration with peripherals, ISBN-81-266-1871-X, IGNOU, N. Delhi
6. Sanjay Jasola, 2005, **Troubleshooting**, Satellite technology and its integration with peripherals, ISBN-81-266-1871-X, IGNOU, N. Delhi
7. Sanjay Jasola, 2008, **Word Processing and Its Creation: MS Word**, Under print ,School of Education, IGNOU, N. Delhi

8. Sanjay Jasola, 2008, **Data Bases and Its Uses: Excel**, School of Education, IGNOU, N. Delhi
9. Sanjay Jasola, 2008, **Browsers – Internet Explorer**, School of Education, IGNOU, N. Delhi
10. Sanjay Jasola, 2008, **Macromedia Director/ Authorware**, School of Education, IGNOU, N. Delhi
11. Sanjay Jasola, 2003, **Assembling of the Computers**, Computer assembly and System Installation, National Institute of Open Schooling (NIOS), N. Delhi
12. Sanjay Jasola, 2003, **System installation**, Computer assembly and System Installation, NIOS, N. Delhi
13. Sanjay Jasola, 2003, **Peripherals and drivers installation**, Computer assembly and System Installation, NIOS, N. Delhi
14. Sanjay Jasola, 2003, **Network concepts**, Computer assembly and System Installation, NIOS, N. Delhi
15. Sanjay Jasola, 2001, **Computers in Education**, Introduction to Computers in Education, ISBN-81-266-0161-2, IGNOU, N. Delhi
16. Sanjay Jasola, 2001, **Introduction to Computers**, IT Based community Learning, ISBN-81-266-0368-2, IGNOU, N. Delhi
17. Sanjay Jasola, 2001, **Windows 2000 interface**, IT Based community Learning, ISBN-81-266-0368-2, IGNOU, N. Delhi
18. Sanjay Jasola, 2001, **Windows Explorer and applications**, IT Based community Learning, ISBN-81-266-0368-2, IGNOU, N. Delhi
19. Sanjay Jasola, 2001, **Introduction to Internet**, IT Based community Learning, ISBN-81-266-0368-2, IGNOU, N. Delhi
20. Sanjay Jasola, 2001, **Introduction to MS-Word**, IT Based community Learning, ISBN-81-266-0368-3, IGNOU, N. Delhi
21. Sanjay Jasola, 2001, **Formatting documents**, IT Based community Learning, ISBN-81-266-0368-3, IGNOU, N. Delhi
22. Sanjay Jasola, 2001, **Desktop publishing features**, IT Based community Learning, ISBN-81-266-0368-3, IGNOU, N. Delhi
23. Sanjay Jasola, 2001, **Advance features in word**, IT Based community Learning, ISBN-81-266-0368-3, IGNOU, N. Delhi
24. Sanjay Jasola, 2001, **Introduction to MS-Excel**, IT Based community Learning, ISBN-81-266-0368-4, IGNOU, N. Delhi
25. Sanjay Jasola, 2001, **Advance features of MS-Excel**, IT Based community Learning, ISBN-81-266-0368-4, IGNOU, N. Delhi
26. Sanjay Jasola, 2001, **Introduction of MS-PowerPoint**, IT Based community Learning, ISBN-81-266-0368-4, IGNOU, N. Delhi
27. Sanjay Jasola, 2001, **Advanced features of MS-PowerPoint**, IT Based community Learning, ISBN-81-266-0368-4, IGNOU, N. Delhi
28. Sanjay Jasola, 2004, **Introduction to multi- media and its applications**, Course on Computer Concepts (CCC), DOEACC, N Delhi
29. Sanjay Jasola, 2004, **Computer communication and Internet**, CCC, DOEACC.
30. Sanjay Jasola, 2004, **www and web browser**, CCC, DOEACC, N Delhi
31. Sanjay Jasola, 2004, **Email**, CCC, DOEACC, N Delhi
32. Sanjay Jasola, 2004, **Introduction to Computer**, CCC, DOEACC, N Delhi
33. Sanjay Jasola, 2004, **Introduction to Windows**, CCC, DOEACC, N Delhi
34. Sanjay Jasola, 2004, **Basic DOS commands**, CCC, DOEACC, N Delhi
35. Sanjay Jasola, 2004, **Elements of word processing**, CCC, DOEACC, N Delhi
36. Sanjay Jasola, 2004, **Spread sheet**, CCC, DOEACC, N Delhi

37. Sanjay Jasola, 2004, **Making small presentations**, CCC, DOEACC, N Delhi
38. Sanjay Jasola, 2006, **Introduction to Computers**, Application of Computers in Bioinformatics, Under Print, IGNOU, N. Delhi
39. Sanjay Jasola, 2006, **Windows**, Application of Computers in Bioinformatics, Under Print, IGNOU, N. Delhi
40. Sanjay Jasola, 2006, **Introduction to Internet technologies**, Application of Computers in Bioinformatics, Under Print, IGNOU, N. Delhi
41. Sanjay Jasola, 2006, **Word processing**, Application of Computers in Bioinformatics, Under Print, IGNOU, N. Delhi
42. Sanjay Jasola, 2006, **Spread sheet package**, Application of Computers in Bioinformatics, Under Print, IGNOU, N. Delhi
43. Sanjay Jasola, 2006, **Presentation package**, Application of Computers in Bioinformatics, Under Print, IGNOU, N. Delhi

EDITING COURSE MATERIAL/ BOOK CHAPTERS

- ❖ Technology of Teleconferencing, Teleconferencing – a training kit, by Commonwealth Educational and Media Centre in Asia, New Delhi ISBN-81-88770-03-5
- ❖ Edited print material of Bachelor of Technology course on Computer Architecture with following chapters for Wawasan Open University, Penang, Malaysia
 1. Numbers and Logic Systems (103 pages)
 2. Computer Architecture, CPU and Memory (83 pages)
 3. Input, Output and Computer Peripherals (47 pages)
 4. CPU Architecture (59 pages)
 5. Modern Computer Architecture (43 pages)
- ❖ Edited print material of Bachelor of Technology course on Computer Networks with following chapters for Wawasan Open University, Penang, Malaysia
 1. Overview of Computer Networks and Transmission Media (80 pages)
 2. LAN and WAN Technologies (64 pages)
 3. Internet Architecture (78 pages)
 4. Network Management (53 pages)
 5. Network and Computer Security (68 pages)

SUMMARY OF TEACHING EXPERIENCE

I have taught post graduate and graduate Computer Science courses for several years at Universities including world class institutes like Indian Institute of Technology (IIT) as regular and visiting faculty. The details of these courses are given below.

Sl. No.	Class	For	At	Subjects

1.	Master of Technology	Gautam Buddha University, Greater NOIDA, UP, India		QoS in IP networks, Advanced Computer Networks,
2.	Bachelor of Technology Computer System and Networks/ ICT	Wawasan Open University, Penang, Malaysia		Computer Networks, Computer Organization, Network programming
3.	Master of Computer Application (MCA), BCA, Bachelor of Information Technology	Indira Gandhi National Open University (IGNOU), New Delhi, India		Topics of Computer network, Data Communication, Data structures, Trainings on Network, Internet, email, Anti Virus and RDBMS.
4.	Bachelor of Technology (B. Tech)	Centre for Digital Design , South Taiwan University of Technology, Taiwan		Multimedia Networks
5.	Master of Technology (Comp Sc.& Engg)	CDAC, Noida, Guru Govind Singh Indraprastha University, New Delhi, India		Wireless and CDMA technology
6.				Advance Computer Networks
7.	Master of Technology (Information Technology)	Indian Institute of Technology, Roorkee, India		Operating System, Computer Architecture
8.				Adv. Computer Network
9.				Computer. Networks
10	Master of Business Administration (MBA)	Department of Management Studies, Indian Institute of Technology, Roorkee, India		Design of Online system.
11				Distributed Computing and Managing Networks (DCMN)
12				Design of Online System
13				Comp. Application in Mgt.
14				DCMN
15	Bachelor of Computer Application (BCA)	Graphic Era Institute of Technology, Dehradun, India		Computer Networks
16				Operating System , Computer Networks
17				Data communication, Computer Networks
18	Master of Computer application (MCA)			
19	MCA, BCA, BIT	IGNOU, New Delhi, India	Computer Division	Lectures on several topics of Computer network, Computer Architecture, Data structures, Trainings on Network, Internet, email, Anti Virus and RDBMS.
20	B.E., PGDM	MJPRU, Bareilly, India	SRMSCET, Bareilly	Comp. Arch., Comp Networks, Microprocessors, Data Structures.
21	MCA, MBA	HNBGU, Srinagar.	SGRRITS, Dehradun	Computer Architecture, Computer Networks, UNIX.
22	Diploma in Advance Software Technology	CMC, Ltd.	ATC, Dehradun India	C programming, DBMS systems, Operating System
23	B.Tech, MCA	Avadh University, Faizabad	Kamla Nehru Institute of Technology, Sultanpur, India	Operating System, UNIX, RDBMS, Computer Arch. Data Communications & Networking, Microprocessor

EXPERT / INVITED LECTURES

- Conducted a 3 days Workshop on Open Educational Resources and WikiEducator of Learning from June 9-11, 2010 for the Professors of Gautam Buddha University, Gr Noida.
- Delivered an invited talk on Future classrooms in the Higher Education Summit 2010 at Claridges, New Delhi on April 2010 organised by digital Learning, India.
- Delivered an invited talk on Multimedia Testing in the International base camp for Quality Assessment of Multimedia Learning Material on 1 Feb 2010 organised by Commonwealth Educational Media Centre for Asia at Madurai.
- Delivered an invited talk in the workshop on **Web 2.0 tools and their application in distance education** for the faculty members of IGNOU at Inter University Consortium at IGNOU New Delhi on July 2009.
- Delivered an invited talk on the **Need for reforms in Indian Technical Education in the context of Globalization** in a seminar organized by the Indian Society for Technical Education at Gautam Buddha University, Greater Noida on 21 May 2009
- Resource person for the workshop by Commonwealth Education media centre for Asia for School of Open learning , Delhi University on the topic of Information and communication technologies in Open and Distance learning on Feb 2009.
- Delivered a key note address on **Satellite based elearning** in the International Conference on Digital design creativity ICDDC2007 at Southern Taiwan University of Technology, Tainan, Taiwan on Mar 2007.
- Delivered invited talks on **EDUSAT: taking Quality education to Unreached** at 12th International conference on terrestrial and satellite broadcasting organized by BES (I) on 11 Feb 2006 at New Delhi
- Delivered invited talks on **Mobile IPv4, Mobile IPv6, Quality of service in Networks** at refresher course for the teachers of Engineering colleges on Computer Networks: present and future in TIET Patiala on 19/ 20.12.2005.
- Delivered invited talk on **Computer Networks** at JIMS, New Delhi on September, 2005
- Delivered invited talk on **IP Mobility and Qos** at a Seminar "Techbytes 05" organized by Jagan Institute of Management Studies (JIMS) at PHDCCI Khelegan Marg, New Delhi on 9th April 2005.
- Delivered invited talk on **Mobility Management in IP** at a National Seminar on Wireless Technologies by IETE, Lucknow, on 11 and 12 Mar 2005.
- Delivered invited talk on **Emerging Technologies in Wireless Network** at a national seminar on Wireless Technologies by IETE, Lodhi Road, New Delhi on 22.01.2005.
- Telecast of expert lecture on "**Computers and Internet**" in the training workshop on "Delivery of Programmes through Internet" for the Regional Directors, sponsored by Commonwealth of Learning (COL), Canada and IGNOU held at EMPC, IGNOU, New Delhi from 16 to 20 August 1999 for *Technology-Supported Open and Distance Learning Diffusion Study* which was designed to assist the COL to understand more about the diffusion of educational technology in Commonwealth countries.
- Delivered an Expert Lecture on **Designing and Developing Multimedia Courseware** to Medical Officers at National Institute of Health and Family Welfare, New Delhi on December, 2004.

- Delivered Expert lecture on **Creating IT Infrastructure** in Leadership development programme for Principals of colleges on IT for development and Management of Colleges, at SEED New Delhi in 2002.
- Delivered an expert talk on **Local Area Network and its Implementation** to State resource center employees of Indore and Jaipur in Sep 2001 for capacity building in multimedia course development by COL, Canada.
- Delivered Expert lecture on **Network Security** in ISTE Winter Course for the Readers/ lectures of Engineering colleges at C.R. State College of Engg., Murthal, Haryana.
- Delivered Expert lecture on **Network and Internet** to the regional center staff of North East States in April 2002.
- Delivered an Expert talk on **Implementation of Virtual Campus** at Workshop on Web Based Manufacturing Management on Nov 18, 2000 at IGNOU.
- Resource person for Workshop on **eLearning** conducted by STRIDE, IGNOU, New Delhi in July 2001.
- Resource person for Training to newly inducted teachers conducted by STRIDE, IGNOU, New Delhi on 25 March 04
- Resource person for Training to IGNOU Staff members on **Computer Applications in Modern Office Management** conducted by STRIDE, IGNOU, New Delhi on 24.08.2005

PhD SUPERVISION

- Mr. Sandeep Rana, Performance of Intelligent Algorithms for Data Mining, GBU, Gr Noida.
- Ms. Sandhya Tarar, Analysis and Design to Improve the Performance of Fingerprint Identification System, GBU, Gr Noida.
- Mr. Sameer Srivastava, Mobile IP and QoS, GBU, Gr Noida.
- Ms. Manisha Manjul, QoS aware secure communication, GBU, Gr Noida

POST GRADUATE STUDENTS SUPERVISION

- Mr. Altamash Sheikh, Location Privacy in Mobile IPv6, Master of Technology (ICT)
- Mr. Arun Kumar, Routing in Vehicular Adhoc Networks, Master of Technology (ICT)
- Mr. K.Satish Babu, On-line Navigation Systems for Mobile Users, Master of Technology (Information Technology (IT))
- Mr.Pankaj Kumar, Performance of Mobile IPv4, Master of Technology (IT).
- Mr.Naveen Jayant, Traffic Shaping for Firewalls, Master of Technology (IT).
- Mr.Mohit Singh, Mobile IP in Linux, Master of Technology (IT).
- Mr.Ajeet Kumar Bhartee, A new security model for mobile IPv6, M. Tech (IT).

COURSES ATTENDED

- Workshop on Integration of Skype with Web casting System in Commonwealth Educational and Media Centre in Asia, New Delhi from August 11-18, 2008

- Course on eSecurity and Cyber crimes from Indian Institute of Management Development, Pune in Oct 2001.
- Microsoft Certified System Engineer (MCSE) Windows NT 4.0 Track Course from Institute of Network Technology, New Delhi from April 2000 to May 2000.
- ISTE summer course on “VLSI TECHNOLOGY, SYSTEMS & APPLICATION” in University of Roorkee, Roorkee from June 1991 to July 1991.
- ISTE summer course on “TRANSPUTERS AND THEIR APPLICATIONS” in Samrat Ashok Technological Institute, Vidisha. in July 1993.

AWARDS & ACHIEVEMENTS

- Awarded **Gold medal for innovation in Open and Distance learning** by Indira Gandhi National Open University, New Delhi , India on 18 Feb 2006
- Got the **Best in Northern Region Award** of Computer Society of India (CSI) at student branch, KNIT Sultanpur for three consecutive years 1993, 1994, 1995.
- Name published as **Technology Expert** in the website of Technology Information, Forecasting and Assessment Council (TIFAC), DST, Govt. of India.
- Name appeared in **who's who** of CSI for 1993, 1994 and 1995.
- Selected for “**Bharat Jyoti Award**” by India International friendship Society, New Delhi, India in 2001.
- Given “**Best Citizen of India Award - 2001**” by International publishing house, New Delhi. India
- Name appeared in **Who's Who of the World, USA, 2009**