

**Dr. Neeraj Kumar Tiwari**  
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**Department of Information Technology**  
**Babasaheb Bhimrao Ambedkar University**  
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### Education Qualification

	Organization	Year of award
<b>Undergraduate</b>	<b>University of Lucknow, Lucknow</b>	<b>2001</b>
<b>Post-graduation</b>	<b>AAI- Deemed University, Allahabad</b>	<b>2006</b>
<b>Ph.D.</b>	<b>BBAU (A Central University), Lucknow</b>	<b>2014</b>

### Professional Experience (In Years)

**Teaching Experience: 7 years**  
**Research Experience: 13 years**

### Areas of Research (Maximum Five Bullet Points)

- Green Communication
- E-health
- System Design
- Advance Software Engineering
- Information Communication Technology
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### Research/Consultancy Grants

Title of Projects	Funding Agency	Duration (Specific Dates)	Total grant	Role (PI/CO-PI)
Risk Assessment of Self-Reported Electromagnetic Hypersensitivity (EHS) in Young Generation Exposed to EMR from Mobile Communication Technology	UPCST (Govt. of Uttar Pradesh)	26 August 2015 to 25 August 2018	Sanctioned grant Rs.10,44,000	Project Investigator (PI)

## Publications

### International

1. Praveen Kumar Singh, Neeraj Kumar, and Bineet Kumar Gupta. Radio (2019). Radio Frequency Identification (RFID): An Apparatus Instrumental in Smart ID Applications. *International Journal of Performability Engineering*, 15(4), pp 1073-1082. doi: 10.23940/ijpe.19.04.p2.10731082.
2. Praveen Kumar Singh, Neeraj Kumar and Bineet Kumar Gupta (2018). Smart Card ID: An Evolving and Viable Technology *International Journal of Advanced Computer Science and Applications (IJACSA)*, 9(3). <http://dx.doi.org/10.14569/IJACSA.2018.090318>.
3. Chandra Kishor Pandey, Neeraj Kumar\*, Vinay Kumar Mishra and Abhishek Bajpai (2017). Identifying Various Roadways Obstacles in Infrastructure less Environment Using Depth Learning Approach. *Oriental Journal of Computer Science and Technology*. 10(3), pp. 585-592.
4. Yogesh Pal, Neeraj Kumar Tiwari, Sujeet N. Mishra (2016). An Integrative Approach for Multipurpose USID Framework Using Radio Frequency Identification: Securities and Challenges, *International Journal of Advanced Research in Computer and Communication Engineering*, Vol. 5 (4), pp. 260-265. ISSN (Online) 2278-1021; ISSN (Print) 2319 5940. DOI 10.17148/IJARCCCE.2016.5467.
5. Rajesh Singh Yadav and Neeraj Kumar Tiwari (2014). Lipid Integration in Neurodegeneration: An Overview of Alzheimer's Disease. *Molecular Neurobiology*, Volume 50, issue 1, pp 168-76. DOI: 10.1007/s12035-014-8661-5. ISSN Print- 0893-7648; online- 1559-1182 SPRINGER USA (Impact Factor: 4.5). doi: 10.1007/s12035-014-8661-5.
6. Noopur Srivastava, Bineet Kumar Gupta, and Neeraj Kumar Tiwari (2014). An Approach to Develop a Framework to Enhance the Performance of Digital Notes Based on Auto Arranger. *International Journal of Research Engineering and Development*, Volume 10 issue 4, pg 53-57, e-ISSN: 2278-067X, p-ISSN: 2278-800X.
7. Ankit Kumar Srivastava, Neeraj Kumar Tiwari (2014). 'Green Wall': A Methodology for Sustainable Development using Green Computing. *International Journal of Scientific and Innovative Research*, Volume 2, Issue 1. Pp 78-82. (PISSN: 2347-2189; E ISSN-2347-4971).
8. Aditi Mishra and Neeraj Kumar Tiwari (2014). Evaluation of self reported health effects in children mobile phone users using Information Gathering Chronological Model. *International Journal of advanced studies in Computer Science and Engineering*, Vol 5, Issue 3, pg. 15-21. ISSN: 2278 7917.
9. Neeraj Kumar Tiwari and Ankit Kumar Srivastava (2014). 'Green Wall Rating': A Methodology to Evaluate Sustainable Development by Implementing Green Wall

Model. Transactions on Networks and Communications, Vol. 2, Issue 3, pg. 70-74. ISSN 2169-6129. doi:http://dx.doi.org/10.14738/tnc.23.254.

10. Aditi Mishra and Neeraj Kumar Tiwari (2014). Green Communication: An effective approach to minimize risk of forgetfulness from mobile phone usage. E-Health Telecommunication Systems and Networks, Vol. 3, Issue, 1, pg 1-7. doi: 10.4236/etsn.2014.31001. ISSN: print-2167-9517; online-2167-9525.
11. N. Kumar, B.K. Gupta, V. Sharma, V. Dixit, and S.K. Singh (2013). E-Health: Stipulation of Mobile Phone Technology in Adolescent Diabetic Patient Care. Pediatric Diabetes, Volume 14, Issue s18, pg90. (Impact Factor: 4.26)
12. N. Kumar, R. A. Khan, P. Kumar, V. P. Sharma and M. Y. Khan (2012). Mobile Phone radiation does not induce oxidative stress in the rat brain. Journal of Neurochemistry, Volume 123, s1, pg64-65. (Impact Factor: 4.83)
13. Neeraj Kumar and Raees A. Khan (2012). Prevalence of Ringing Delusion among Mobile Phone users, E-Health Telecommunication Systems and Networks, Volume 1, No.4, pg 37-42. DOI:10.4236/etsn.2012.14006 (ISSN: print-2167-9517; online-2167-9525)
14. Neeraj Kumar, Raees A. Khan and Dharendra Pandey (2012). Cellular Phone: A Contemporary Tool for Biometric Implications. International Journal of Information and Education Technology, Volume 2, No.5, pg 445-447. DOI: 10.7763/IJiet.2012.V2.174 (ISSN: 2010 3689)
15. Neeraj Kumar, Raees A. Khan, Vinod P. Sharma and Mohammad Y. Khan (2012). Possible electromagnetic hypersensitivity among cellular phone users in relevance to self reported subjective symptoms and sensations and adopted safety measures. Health Informatics- An International Journal, Volume 1, No. 1, pg 9-17, 2012.
16. Dharendra Pandey, Neeraj Kumar and Vandana Pandey. SMS-Based System for Type-II Diabetes (NIDDM) Management. Health Informatics- An International Journal, Volume 1, No. 1, pg 9-17.
17. Neeraj Kumar, Raees A. Khan and Mohammad Y. Khan (2012). Green Communication - A Stipulation to Reduce Electromagnetic Hypersensitivity from Cellular Phone. Procedia Technology, Volume 4, pg. 682-686. (indexed by Science Direct)
18. N. Kumar, P. Kumar, V. Dixit, R. A. Khan and V. P. Sharma (2011). Evaluation of Cellular Phone utilization for Adolescent Diabetic Patient Care and Management: a Pilot Study. Pediatric Diabetes, Volume 12, s15, pg 82. (Impact Factor: 4.26)
19. Neeraj Kumar, Raees A. Khan, Vinod P. Sharma, Mohammad Y. Khan (2011). The alterations in cholinesterase activity (AChE and BChE) among the frequent

cellphone users and non-users: A pilot study. *Neuroscience Research*, Volume 71, pg e391, Supplement. (Impact Factor: 4.27).

20. N. Kumar, R. A. Khan and V. P. Sharma (2011). Frequency of the forgetfulness among the cellular phone users: A risk assessment. *Journal of Neurochemistry*, Volume 118, s1, pg55. (Impact Factor: 4.83).

21. N. Kumar, R. A. Khan and V. P. Sharma (2010). Neurobehavioral effects in mice through the acute exposure of cellular irradiation, *Journal of Neurochemistry*, Volume 115, s1, pg76. (Impact Factor: 4.83).

22. N. Kumar, V. P. Sharma, N. Mathur, M. Y. Khan and R. A. Khan (2009). Prevalence of Headache among extensive and normal cellular phone users, *Journal of Neurochemistry*, special issue, s2, Volume 110 Issue s2, pg228. (Impact Factor: 4.83)

### **National**

23. Neeraj Kumar, Pankaj Shukla and Vinod Praveen Sharma (2008). Recovery of Metals and Plastics from Electronic Waste. *Bharatiya Vaigyanik evam Audyogik Anusandhan Patrika*, National Institute of Science Communication And Information Resources (NISCAIR) CSIR, 16(2), pp 94-98.

24. N. Tiwari, K. Shukla, C.S. Ojha, A. B. Pant and V.P. Sharma (2007). Cell Shocked! Cover study, *Science Reporter*, National Institute of Science communication And Information Resources (NISCAIR) CSIR, 44, pp. 1-5.

### **Book Chapters**

25. Neeraj Kumar Tiwari, R. A. Khan and M. Y. Khan (2014). The Bioelectromagnetics: Present explorations. Book "Recent Trends in Life Sciences" Edited by: M.H. Fulekar & R.K. Kale. Published by IK International Publishing House Pvt. Ltd, New Delhi, India. Chapter 10, pp 149-172. (ISBN: 9789382332251).

26. Neeraj Kumar Tiwari, V. P. Sharma and R. A. Khan (2011). Cellular communication: a health concern on ringing delusion. In book "New Frontiers in Molecular Mechanism in Neurological and Psychiatric Disorders" volume 1, Edited by Babusikova Eva, Dobrota Dusan, Lehotsky Jan, Publication Cooperation, Comenius University Jessenius Faculty of Medicine in Martin Institute of Medical Biochemistry, Mala Hora 4, Martin 036 01 SLOVAKIA, Volume 1, pg 219-234. (ISBN: 978-80-88866-99-2).

27. Neeraj Kumar Tiwari and Raees A. Khan (2012). Assortment of information from mobile phone subscribers using chronological model [IGCM]: application and management perspective. In "Advances in Computer Science, Engineering & Applications; Advances in Intelligent and Soft Computing" Edited by D.C. Wyld et al., Volume 167, pg. 91-102 2012. A publication by SPRINGER-VERLAG, Berlin, Heidelberg (DOI: 10.1007/978-3-642-30111-7\_10; ISBN: 364230222X).

## Authored Books

1. Neeraj Kumar Tiwari (2013), Mobile Communication and Health-A Research Analysis, LAP LAMBERT Academic Publishing GmbH& Co. KG, Germany. Edited by Scampbell; ISBN: 978-3-659-21960-3.
2. Aditi Mishra, Neeraj Kumar Tiwari (2016), Green Communications, Magnum Publishing USA, 1st edition ISBN: 978-1682502358.

## Research Supervision

	Completed	Ongoing
<b>PG/M.Phil</b>	08	-
<b>Ph.D</b>	01	01
<b>Post-Doctoral</b>	-	-

## Honors, Recognition and Awards

1. Selected as “Mentor” for CSIR- Summer research Training Program hosted by CSIR - North East Institute of Science and Technology, Jorhat during June to August 2020 (online). (ref. Serial no. CSIR/SRTP/2020/NEIST/M/199).
2. Nominated as “Jury Member” of the scientific committee of Young Scientist conclave, India International Science Festival (IISF-2020), organized by Ministry of Earth Sciences, Ministry of Science and Technology, Ministry of Health & Family Welfare and Vijnana Bharati (VIBHA)) from December 22-25, 2020 in virtual mode in New Delhi (ref. letter IISF2020/YSC/Jury Member/32).
3. Awarded “BBAU Gaurav Samman – 2020” by the Alumni Committee of BBAU Lucknow (11 January 2020).
4. Jury member, Young Scientist Award 2016 by Center for Advance Research and Design, Venus International Foundation, India (3rd December, 2016).
5. Awarded by Travel grant award for IOB Summer School, August 27-28, 2014 at Okazaki, Japan.
6. Awarded ISPOR International Travel Grant for 19th Annual International Meeting, May 31-June 4, 2014 at Montreal, QC, Canada.
7. 2000 Outstanding Intellectuals of 21st Century” for year 2013 by International Bibliography Center, Cambridge, England.
8. Awarded “Melvin Mayr International T. award-2013” of the PDRD-2013, Geneva, Switzerland. (December 8-11, 2013).

9. “Official Greeter & Ambassador” selected for the 39th Annual Conference of the International Society for Pediatric and Adolescent Diabetes, Gothenburg, Sweden (October 16-19, 2013).
10. Awarded by “ISPAD Travel Award” by International Society for Pediatric Adolescent and Diabetics to attend the 39th Annual Meeting of the International Society for Pediatric and Adolescent Diabetics, Gothenburg, Sweden (October 16-19, 2013).
11. Nominated as “2000 Outstanding Intellectuals of 21st Century” for year 2013 by International Bibliography Center, Cambridge, England.
12. “Man of the Year-2012” by International Bibliography Center, Cambridge, England.
13. Awarded by “APSN Travel Grant” by Asian Pacific Society for Neurochemistry for participation in the 11th Biennial Meeting of the Asian Pacific Society for Neurochemistry, A joint meeting with the 55th Annual Meeting of the Japanese Society for Neurochemistry, Kobe, Japan (30 Sept – 02 Oct, 2012)
14. Awarded by Travel grant Award by International Society of Endocrinology to attend the 15th International and 14th European Congress of Endocrinology, at Florence, Italy (May 5-9, 2012)
15. Recipient of “WCN grant” by the World Congress of Neurology to attend the XXth World Congress of Neurology at Marrakesh, Morocco (November 12-17, 2011).
16. Awarded by “Travel Award” by International Society for Pediatric Adolescent and Diabetics to attend the 37th Annual Meeting of the International Society for Pediatric and Adolescent Diabetics, Miami Beach, Florida, USA (October 19-22, 2011).
17. Recipient of “Travel Award” by Third Military Medical University, Chongqing, China to attend the 6th International EMF Seminar in Chongqing, China (October 20-23, 2011).
18. Awarded by “International Travel Support” from Government of India, Ministry of Science and Technology, Department of Science and Technology for participation in 23rd ISN-ESN 2011, Athens, Greece (Aug 28-Sept 01, 2011).
19. Recipient of “Travel grant” by the International Society for Neurochemistry to attend the 10th Biennial ISN Satellite Meeting on Myelin Biology Myelin Development, Function and Related Diseases Conference at Kolymvari, Crete (August 24 – 27, 2011).

20. Awarded a “Bursary” towards travel by World Congress of Neurotechnology 2010 in association with International Neuromodulation Society, European Society of Neurotechnology, Global College Neuroprotection & Neuroregeneration and Neurotech Report at Rome, Italy (October 12-14, 2010)
21. Awarded by “CAEN-ISON Travel Grant 2010” from the Committee for Aid and Education (CAEN) of International Society for Neurochemistry to attend the 10th biennial Meeting of the Asia Pacific Society for Neurochemistry (APSN) in conjunction with 15th Thai Neuroscience Society Conference at Phuket, Thailand (October 17-20, 2010)
22. Awarded by “Student Travel/Worker Fellowship 2010” by Health Physics Society for Participation in the 55th Annual Meeting/American Conference of Radiological Safety at Salt Lake City, Utah, USA (June 27-01 July, 2010).
23. Recipient of “Dell Children Fellowship” by Dell Children’s Hospital, Austin to participate in the 2010 NSF-GEM Winter School on Cellular and Molecular Mechanics, University of Texas, Austin, TX, USA (January 3-10, 2010)
24. Recipient of “Travel Award” by Comenius Faculty Of Medicine Comenius University, Martin, Slovak republic to attend Molecular Mechanisms of Neurological and Psychiatric Disorders in Martin (27-29 November, 2009)
25. Awarded by “Foreign Travel Grant” by Council of Scientific and Industrial Research (CSIR), New Delhi, India for participation in the 22nd Biennial Meeting of the International Society for Neurochemistry, A joint meeting with the Asian Pacific Society for Neurochemistry- APSN, Busan, South Korea (23-27 August, 2009)
26. Awarded by “ISON Travel Grant 2009” by International Society for Neurochemistry for participation in the 22nd Biennial Meeting of the International Society for Neurochemistry, A joint meeting with the Asian Pacific Society for Neurochemistry-APSN, Busan, South Korea (23-27 August, 2009), India
27. Recipient of “Student Travel/Worker Fellowship 2008” by Health Physics Society for Participation in the 53rd Annual Meeting/American Conference of Radiological Safety at Pittsburgh, Pennsylvania, USA (12-13 July, 2008)
28. Awarded by “Certificate of Merit” from SPGC, University of Lucknow (2001)
29. Fellowship “Chatra Kalyan Nidhi” by State Government of Uttar Pradesh (1999-2001)
30. Awarded by “Certificate of Honour” by National Caded Corps, Lucknow (1999)

## **Membership of Professional Bodies**

1. Uttar Pradesh Association for Science and Technology Advancement, India (UPASTA)
2. International Forum of Educational Technology and Society (Endorsed by IEEE Technical Committee on Learning Technology)
3. Health Physics Society, USA (HPS; Membership no. 33407)
4. International Society of Neurochemistry (ISN)
5. International Brain Research Organization, USA (IBRO)
6. Society of Neuroscientists of Africa (SONA)
7. Asia Pacific Society for Neurochemistry (APSN; Membership no. 10-4-043-S20)
8. The Movement Disorder Society (MDS), USA
9. International Association of Engineers (IAENG)
10. Member of the IAENG Society of Bioinformatics
11. Member of the IAENG Society of Information System Engineering
12. Member of the IAENG Society of Operations Research
13. Member of the IAENG Society of Wireless Networks
14. Forensic Science Development Society, India (FSDS)
15. Society for Neuroscience, Washington DC, USA (SFN; Membership no. 210158069)
16. International Behaviour Neuroscience Society, USA (IBNS)
17. Organization for Computational Neurosciences, USA (OCNS)
18. Senior Member of International Association of Computer Science & Information Technology (IACSIT; Membership No.80343923)
19. European Society of Endocrinology (ESE; Membership No.511194)
20. American Association of Clinical Endocrinologists, USA (AACE Membership No.13435)
21. International Society for Pharmacoeconomics and Outcome Research, USA (ISPOR; Membership ID 22754)
22. The American Society for Research (ASR). (Membership No.R215010802)

## **Seminar/Conference/Symposia /Workshops Organised**



1. Program Co-Organizer of IISF-2020 Outreach Programme on Science for Self-Reliant India and Global Welfare, sub-theme Agritech at BBAU Lucknow, 21 December 2020.
2. Session organized during the Young Scientist Conclave of IISF-2019, 4-8 November 2019 at Kolkata.
3. National Science Day-2019 program organised at BBAU Satellite centre in association with Vigyan Bharati- Awadh Prant, 28<sup>th</sup> February, 2019.

### **Countries Visited**

- SOUTH KOREA (2009)
- UNITED STATES OF AMERICA (2010)
- ITALY (2010)
- THAILAND (2010)
- GREECE (2011)
- UNITED STATES OF AMERICA (2011)
- ITALY (2012)
- SRILANKA (2012)
- JAPAN (2012)
- UNITED STATES OF AMERICA (2013)
- MEXICO (2013)
- SWEDEN (2013)
- SWITZERLAND (2013)
- CANADA (2014)
- JAPAN (2014)
- CANADA (2017)
- JAPAN (2017)

### **Invited Lectures/Talks/Chair/Co-Chair in Seminar/Conference/Symposia /Workshops**

1. Certificate of participation in International Conference on Computing, Communication and Control Technology (IC4T-2016), SRMGPC Lucknow (10-12 Nov 2016).

2. Certificate of participation in one week Training Program organized by National service Scheme, Sponsored by Ministry of Youth affairs and Sports, Govt. of India. (8-14 August, 2016).
3. Certificate of participation in 3rd FDP on Quality Enrichment in Higher education: strategies towards continual improvements in Education System and R&D organized by SRM University, UP. (11-16th July, 2016).
4. Certificate of attendance for participating in International Workshop on Computational Intelligence and Its Applications, South Asian University, New Delhi, India. (23-25th May, 2016).
5. Certificate of attendance for participation on Training of Trainers on Life Skills organized by Rajiv Gandhi National Institute of Youth Development, Regional Centre, Chandigarh at ETI, Literacy House, Lucknow. (23-27 February, 2016)
6. Certificate of one week workshop on Ethical hacking and information Security at BBAU Lucknow. (6-12 August 2015).
7. Certificate of participation in FDP on Effective Teaching – Learning Process organized by SRM University, UP. (6-11 July, 2015).
8. Certificate of one week workshop on Research Methods in Information Technology at BBAU Lucknow. (22 - 28 September 2014).
9. Certificate of Appreciation during by Certificate of attendance of OIIB Summer School, Okinawa, Japan (Aug 27-28, 2014).
10. Certificate of participation in FDP on Challenges and Issues in higher Education organized by SRM University, UP. (30th June – 4th July, 2014).
11. Certificate of attendance at national Conference on Environmental Protection and Sustainable Development, SKY Institute, Lucknow. (5-6 June, 2014).
12. Certificate of attendance of the 19th ISPOR annual meeting, Montreal, Canada (May 31- June 4, 2014).
13. Certificate of attendance for participating in the XX World congress on Parkinson's Disease and Related Disorders, Geneva, Switzerland. (December 8-11, 2013).
14. Certificate of volunteer in the 39th Annual Conference of the International Society for Pediatric and Adolescent Diabetes (ISPAD-2013) Gothenburg, Sweden (October 16- 19, 2013).
15. Certificate of attendance of the 39th Annual Conference of the International

- Society for Pediatric and Adolescent Diabetes (ISPAD-2013) Gothenburg, Sweden (October 16-19, 2013).
16. Certificate of recognition for paper presentation in the ISN-ASN Satellite Symposium, Cancun, Mexico (April 17 – 19, 2013)
  17. Certificate of attendance for the ISN-ASN Satellite Symposium, Cancun, Mexico (April 17 – 19, 2013).
  18. Certificate of participation at Multi-disciplinary International seminar on Emerging Innovative Strategies in management, Commerce, economics, education & other Disciplines at IMEI, Lucknow. (24-25 February 2013).
  19. Certificate of participation and paper presentation in the 11th Biennial Meeting of the Asian Pacific Society for Neurochemistry, A joint meeting with the 55th Annual Meeting of the Japanese Society for Neurochemistry, Kobe, Japan (Sept 30 – Oct 02, 2012)
  20. Certificate of participation and paper presentation in the 15th International and 14th European Congress of Endocrinology, at Florence, Italy (May 5-9, 2012).
  21. Certificate of participation and paper presentation in the International Conference on 2nd International Conference on Computer, Communication, Control and Information Technology, Hooghly, West Bengal, India (February 25-26, 2012).
  22. Certificate of participation and paper presentation in the International Conference on Education and Information Technology, Mumbai, India (January 14-15, 2012).
  23. Certificate of participation and paper presentation in the 37th Annual Scientific Meeting of the International Society for Pediatric and Adolescent Diabetes (ISPAD- 2012) Miami Beach, Florida, USA (October 19-22, 2011).
  24. Certificate of participation and paper presentation in the 23rd biennial meeting of the International Society for Neurochemistry and European Society for Neurochemistry (ISN-ESN) 2011 Athens, Greece (August 28- September 01, 2011).
  25. Certificate of participation and paper presentation in the 10th biennial meeting of the Asia-Pacific Society for Neurochemistry (APSN) 2010 in conjunction with 15th Thai Neuroscience Society Conference at Phuket, Thailand (October 17-

20, 2010)

26. Certificate of participation and paper presentation in World Congress of Neurotechnology hosted by Cortex Congress at Rome, Italy (October 12-14, 2010)
27. Certificate of participation and paper presentation in 97th Indian Science Congress hosted by Indian Space Research Centre at University of Kerala, Thiruvananthapuram, India (January 3-7, 2010)
28. Certificate of participation and paper presentation in 22nd Biennial Joint Meeting of International Society for Neurochemistry and Asia Pacific Society for Neurochemistry at BEXCO, Busan, South Korea (August 23-28, 2009)
29. Certificate of participation and paper presentation in International Symposium on Environmental Pollution, Ecology and Human Health (ISEPEHH-2009), organized at S V University, Tirupati (July 25 – 27, 2009).
30. Certificate of Training programme on “Analysis of Toxic Metals in Environmental Samples” Sponsored by Central Pollution Control Board, Delhi, held at Indian Institute of Toxicology Research, Lucknow (August 11-13, 2008).
31. Certificate of participation and paper presentation in Indian Institute of Information Technology, Allahabad, India in 3rd International Conference on Wireless Communication and Sensor Networks (December 13-15, 2007)
32. Certificate of participation in Indian Institute of Information Technology, Allahabad, India in Preconference workshop on 3rd International Conference on Wireless Communication and Sensor Networks (December 11-12, 2007)
33. Certificate of participation in CMS Lucknow, India in Geofest International and National Geography Olympiad (November 3-6, 2007)
34. Certificate of participation and paper presentation in Himanchal Pradesh University, Shimla, India during National Seminar on Recent Advances in Analytical Sciences and Applications. (April 9-11, 2007)
35. Certificate of participation in “Vaigyanic Aur Tacniqui Sabdawali Aayog” Ministry of Human Resource Development, New Delhi, India (Sep 10, 2006)
36. Certificate of Unity and Discipline by Combined Annual Training Camp of National Cadet corps conducted by Ministry of Defense at Kanpur, India (1998)