

## Curriculum Vitae

1. **NAME:** Dr. NEELAM SRIVASTAVA
2. **FATHER'S NAME:** Sri R. K. Srivastava
3. **DATE OF BIRTH:** 02/08/1963
4. **SEX:** Female
5. **NATIONALITY:** Indian
6. **MARITAL STATUS:** Married
7. **ADDRESS:** SMT. SHEELA SRIVASTAVA BLOCK D, FLAT NO. 104, UTSAV ENCLAVE OPP. H.A.L FAIZABAD ROAD, INDRA NAGAR, LUCKNOW  
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8. **Email ID:** [neelam.srivastava@ietlucknow.ac.in](mailto:neelam.srivastava@ietlucknow.ac.in)  
[director.geck@gmail.com](mailto:director.geck@gmail.com)
9. **PHONE NUMBER:** 9415508646
10. **PASSPORT NO:** F0889335
11. **PAN NO:** AJXPS4156R
12. **OCCUPATION:** Director, Rajkiya Engineering College,  
Kannauj  
& Professor, Department of Electronics Engineering,  
I.E.T,Lucknow.



### 13. Educational Qualifications :

Examination	Board/University	Year of passing	Marks obtained	Division or Equivalent
HIGH SCHOOL	U.P. Board	1978	65%	1 <sup>st</sup>
INTERMEDIATE	U.P. Board	1980	71%	1 <sup>st</sup>
B .E (Electronics)	M. M. M. Engineering College, Gorakhpur	1985	76%	1 <sup>st</sup> (Hons)
M.TECH (Microwaves)	Institute of Technology, B.H.U, Varanasi	1987	7.8(CGPA)	1 <sup>st</sup>
Ph. D (Optical Communication)	Lucknow University	2004	-	Awarded

#### 14. Employment Record (details in chronological, starting with the first job) :

Employer	Position Held	Period
I.E.T Lucknow	Lecturer	Aug 22,1986 to Aug 21, 1992
I.E.T Lucknow	Senior Lecturer	Aug 22, 1992 to Aug 21, 1997
I.E.T Lucknow	Assistant Professor	Aug 22, 1997
	Professor	1 <sup>st</sup> March 2009 till date
R E C Kannauj	Director	4 January 2017 till date

#### 15. SCHOLARSHIP/AWARDS/PRIZES RECEIVED

- College Merit scholarship during B.E.
- GATE scholarship during M.E.

#### 16. RESEARCH CONTRIBUTIONS

- **PUBLICATIONS**

**(a) International Journal**

1. Ashish Kumar Rao, Rajiv Kumar Singh, Neelam srivastava, “In-band full duplex radio- A Survey”, International Journal of Applied Engineering Research, ISSN 0973-4562, Vol. 14, No. 2, 2019.
2. Vinod Kumar, Neelam srivastava, “Chinese Remainder Theorem based fully Homomorphic Encryption over Integers”, International Journal of Applied Engineering Research, ISSN 0973-4562, Vol. 14, No. 2, 2019.
3. Alka Verma, Neelam srivastava, “Polarizationed dependent Electromagnetic Band Gap (PDEBG) Structures with Circularly Polarized Antenna: A Review”, International Journal of Applied Engineering Research, ISSN 0973-4562, Vol. 14, No. 2, 2019
4. Varun Shukla, Neelam Srivastava, et.al, On Post Quantum Cryptographic Methods for Wireless Communication (Paper accepted), International Journal of Engg.& Technology, UAE, 2018.
5. Varun Shukla, Neelam Srivastava, et.al, A Secure Wireless Peer to peer Authentication Protocol using Triple Decomposition Problem, Asian Journal of Mathematics and Computer Research, volume 22, issue 2, 2017.
6. Varun Shukla, Neelam Srivastava, et.al, Secure Wireless Communication Protocol: To Avoid Vulnerabilities in Shared Authentication, Communications on Applied Electronics (ISSN: 2394-4714), USA, Volume 7 – number 6, 2017
7. Rupali Agarwal, Neelam Srivastav, Himanshu Katiyar, “Analysis of Switch and Examine Combining with Post Examining Selection in Cognitive Radio” in International Journal of Electronics (Taylor & Francis), Vol. 105, No. 6, pp. 941-950 oct-nov’ 2017.
8. Suchita Shukla and Neelam Srivastava, ‘An overview on cooperative spectrum sensing in cognitive radios’, Int. J. Wireless and Mobile Computing, Vol. 11, No. 4, pp.267-276, 2016

9. Varun Shukla, Atul Chaturvedi, Neelam Srivastava, “ A New Secure Authenticated Key Agreement Scheme for Wireless (Mobile) Communication in an EHR System using Cryptography”, *Communications on Applied Electronics (CAE)*, Foundation of Computer Science FCS, New York, USA Volume 3– No.3,pp16-21, October 2015.
10. Atul Chaturvedi, Neelam Srivastava, Varun Shukla, S.P. Tripathi, Manoj Kumar Mishra, “A Secure Zero Knowledge Authentication Protocol For Wireless (Mobile) Ad-Hoc Networks”, *International Journal of Computer Application*, Vol. 128, No.2, pp36-39, October 2015.
11. Atul Chaturvedi, Neelam Srivastava ,Varun Shukla, “A Secure Wireless Communication Protocol using Diffie-Hellman Key Exchange”, *International Journal of Computer Applications*, Vol. 126,no. 5, pp33-36 September 2015.
12. Deepak Mehra, Dr. Neelam Srivastava, “RSA Cryptosystem Using Verilog”, *International Journal of Science and Research(IJSR)*,Vol. 4,Issue 8,pp639-642, August 2015.
13. Nitin Jain & Dr. Neelam Srivastava,“ Comparison of TCP I-Vegas with TCP Vegas in Wired-cum-Wireless Network”, *International Journal of Scientific & Engineering Research*, Volume 6, Issue 7, pp 1169-1177,July-2015.
14. Rana Vikram Pratap Singh Yadav, Neelam Srivastava, “Design of High Speed Flash Analog to Digital Converter Using Multiplexer and Comparator”, *International Journal of Science and Research*, Vol. 5, Issue 6, pp2170-2173, June 2015.
15. Ruchita Bajpai1, Dr. Neelam Srivastava, “Performance Enhancement of SPD Technique in SAC-OCDMA Systems”, *IOSR Journal of Electronics and Communication Engineering (IOSR-JECE)*, Volume 9, Issue 6, Ver. I, pp 59-64(Nov - Dec. 2014).
16. Pratishtha Agnihotri, Dr. Neelam Srivastava “Performance Analysis of SAC-OCDMA with DCS Code”, *International Journal of Electronics & Communication Technology, IJECT* Vol. 5, Issue 3,pp293-297, July - Sept 2014
17. Akash Porwal and Dr. Neelam Srivastava “Performance Analysis of Square Slotting on SPA (Square Patch Antenna)” *International Journal of Advanced Scientific and Technical Research*, vol. 2, issue- 4, p.p-756-764, March-April 2014.
18. Nitin Jain, Neelam Srivastava, “TCP I-Vegas in Wired-cum-Wireless Network”, “*International Journal of Advanced Computer Science and Applications*”, Vol. 5, No 2, 2014.
19. Chandra Shekhar Prasad Vind; Dr. Neelam Srivastava, “An Improved Methodology for Dispersion Compensation and Design of Dense WDM System in Optical Fiber Communication Networks,” *International Journal of Emerging Technology and Advance Engineering*, Volume 4, Issue 1, January 2014.
20. Sandeep Kumar Verma, Dr. Neelam Srivastava, “Improved H-shaped Multiband MSA for DCS, WiMAX and WLAN with Enhanced Antenna Parameters,” *IOSR-JECE*,vol. 9, issue 1, ver. I (Jan. 2014), pp 38-41.
21. Sandeep Kumar Verma; Dr. Neelam Srivastava, “Human Face Shape Slot Loaded Microstrip patch antenna for IMT, WiMAX and C-Band Application,” *International Journal of Enhanced Research in Science Technology & Engineering*, ISSN: 2319-7463, vol. 3 Issue 1, pp 42-46, January-2014.
22. Akash Porwal and Dr. Neelam Srivastava “Quad Square Center Circular Slotted Microstrip RFID Applications Antenna”, *International Journal of Scientific and Engineering Research*, vol. 4, issue-12, p.p-926-930, December 2013.
23. Neha Jaiswal, Neelam Srivastava, “Cooperative Spectrum Sensing with Improved Energy Detector Over Fading Channels in Cognitive Radio”, *International Journal of Computer Networks and Wireless Communications (IJCNWC)*, Vol.3, No4, pp. 333-338, August 2013

24. Nitin Jain, Neelam Srivastava, "Comparison of TCP Variants in Wired-Cum-Wireless Environment", *International Review on Computers and Software (I.RE.CO.S.)*, Italy , Vol 8, No.5,pp. 1108-1110, May 2013.
25. Amit Sharma, Kshitij Shinghal, Neelam Srivastava, " Design and Performance Analysis of Energy Efficient Routing Algorithm for Wireless Sensor Network ", *International Journal of Engineering Research and Applications (IJERA)* Vol. 2, Issue 6, November- December 2012, pp.816-821.
26. Dr. Neelam Srivastava, Arpita Johri, Mudit Saxena," Performance of Nakagami – m Fading Channel with Equal Gain Combining and Maximal Ratio Combining Diversity Techniques", *International Journal of Electronics Communication and Computer Engineering*, Vol, 3, Issue 1,2012,pp.51-57.
27. Verma Alka, Srivastava Neelam & Verma Doshant, "Analysis of Gunn Loaded Rectangular Microstrip Antenna", *IETE Journal of Education*, Vol. 53,Issue 2,July December 2012,pp,80-88.
28. Smriti, Garg and Neelam Srivastava , "New Binary User Codes For DS CDMA Communication", *Journal of Engineering Science and Technology (JESTEC Malasiya)*, Vol. 6, No. 6, 674-684, 2011.
29. Arun Kumar Singh, Neelam Srivastava, J.B.Singh , " A Novel Strategy for High throughput in Adhoc Networks using Potential transmission Count(PTC) Metric, paper published in *WSEAS Transaction on Communications* ,Issue 8,Vol. 10,August 2011,pp. 223-232.
30. Arun Kumar Singh & Neelam Srivastava, "Experimentally Modified Protocols with Transmission Count Metric for Efficient Throughput in Ad-Hoc Networks", *Ubiquitous Computing and Communication Journal (UBiCC)*, Vol, 6, No. 2, pp. 807-813, 2011.
31. Verma Alka, Srivastava Neelam & Verma Doshant, "Analysis Of Rectangular Microstrip Antenna Symmetrically Loaded With Gunn Diodes", *International Journal of Advanced Engineering Technology (IJAET)*, Vol .II, No. 1, 2011.
32. Kshitij Shinghal, Arti Noor, Neelam Srivastava & Raghuveer Singh, "Low power pH Sensor for Wireless Sensor Network Node for Agricultural Application", *MIT International Journal of Electronics & Communication Engineering*, Vol. 1, No. 1, pp. 22-26, 2011.
33. Alka Verma, Neelam Srivastava, "Analysis and Design of Rectangular Microstrip Antenna in X Band", *MIT International Journal of Electronics & Communication Engineering*, Vol. 1, No. 1, pp. 31-35, 2011.
34. Kshitij Shinghal, Arti Noor, Neelam Srivastava, Raghuveer Singh, "Intelligent Humidity Sensor for Wireless Sensor Network Agricultural Application", *International Journal of Wireless & Mobile Networks (IJWMN)*, Vol. 3, No. 1, 2011.
35. Neelam Srivastava, "Diversity Schemes For Wireless Communication-A Report", *Journal of Theoretical and Applied Information Technology (JATIT)*, Vol. 15, No. 2, pp134-143, 2010.
36. Neelam Srivastava, "Performance Analysis of Multi-channel Coherent Optical Communication Systems using M-ary PSK Signaling Scheme", *International Journal Of Electronics & Telecommunication and Instrumentation Engineering"(IJETIE)*, Vol. 4, No. 1,pp. 43-49, 2010.
37. Kshitij Shinghal, Arti Noor, Neelam Srivastava & Raghuveer Singh, "Wireless Sensor Networks in Agriculture: For Potato Farming", *International Journal of Engineering Science and Technology*, Vol. 2(8), pp. 3955-3963, 2010.
38. Neelam Srivastava, "Challenges of Next-Generation Wireless Sensor Networks and its Impact on Society", *Journal of Telecommunications*, Vol. 1, No. 1, pp. 128-133, 2010

39. Rashid Mahmood, Pramod Kumar, Neelam Srivastava & Anil Kumar, "Ultra Wideband Seven Poles Low-pass Filter Using DGS Array", International Journal of Computer Science and Technology (IJCST ), Vol. 1, No. 1, 2010.
40. Anil Singh Rathore & Neelam Srivastava, "Analysis Of Selected Mapping and Partial Transmit Sequence for PAPR Reduction", Journal Of Telecommunications (JOT), Vol. 5, No. 1, pp 8-11, 2010.
41. Neelam Srivastava, "Impact of Non Uniform gain of EDFA as Pre Amplifier on Bit Error Rate of various modulation schemes ", International Journal on Electronic and Electrical Engineering (IJEEE) ),Vol. 08,IssueNo. 1, Dec 2009-Feb 2010, pp 42-48.
42. Neelam Srivastava, "Comprehensive Survey of Challenges, Issues and Remedies to attain Secured Data in Wireless Sensor Networks", International Journal on Electronic and Electrical Engineering (IJEEE) ),Vol. 04,No. 6, March 2009-May 2009, pp108-116.
43. Neelam Srivastava , "Orthogonal Frequency Division Multiplexing-A Boon to Wireless Networks", International Journal of Electronics Engineering (IJEE), Vol., 1(2), pp. 247-250, 2009 .
44. Smriti Garg and Neelam Srivastava, "New Linear Phase Binary User codes and Their Performance comparison with Existing Codes for Direct Sequence Spread Spectrum Communication", Advances in Wireless and Mobile Communications, Vol. 2, No. 2, pp. 85-93, 2009.

**(b) National Journal**

1. Suchita Shukla, Abhishek Singh, Atul Singh, Neelam Srimastava, ' Optimization of Cognitive Engine Design Using Cultural Algorithm', Indian Journal of Science and Technology, Vol 10(21),2017
2. Neelam Srivastava , "Impact of SRS Nonlinear effect of Optical Fiber in the Presence of Ultra Wide Band EDFAs in an OFDM Communication System ", The Icfai University Journal of Telecommunications, Vol. 1, No. 2, pp. 44-52, 2009.

**(c) Technical Papers Presented /Accepted in Seminars /Conferences:**

1. Varun Shukla, Neelam Srivastava and Atul Chaturvedi, "A Lightweight Authentication Mechanism" International Conference on Emerging Trends in Technology and Applications, Rajkiya Engineering College, Kannauj, 2019.
2. Varun Shukla, Neelam Srivastava and Atul Chaturvedi, "On Security of Routing Protocols" International Conference on Emerging Trends in Technology and Applications, Rajkiya Engineering College, Kannauj, 2019.
3. Ashish Kmar Rao, Rajiv Kumar Singh, Neelam Srivasatava, "Full-Duplex Wireless Communication in Cognitive Radio Networks: A Survey, International Conference on VLSI, Communication and Signal Processing, MNIT Allahabad, 2018.
4. Arun Kumar Singh, Neelam Srivastava and Saurabh Dixit," Optimizing Resource Allocation of MIMO OFDM in 4G and Beyond Systems," International Conference on VLSI, Communication and Signal Processing, MNIT Allahabad, 2018.
5. Varun Shukla, Neelam Srivastava, et.al, A secure entity authentication procedure for data communication, International conference on science technology and social humanities, ICSTSH, Dr.BRA University, Agra, 2018
6. Varun Shukla, Neelam Srivastava, et.al, Peer to Peer Authentication Method for Wireless Communication Using RSA Cryptosystem, IEEE international conference, ESAR-18, Rama university, Kanpur, 2018.

7. Suchita Shukla, Abhishek Singh, Ashish Kumar Rao, Neelam Srivastava, ‘ *A Survey on Optimization Techniques For Cognitive Engine Design in Cognitive Radio Networks*, Proc. International Conference on Advance Computational Techniques in Information and Communication Technology (ICACTICT) , KNIT Sultanpur , 23-24 September 2016.
8. Rupali Agarwal, Neelam Srivastava, Himanshu Katiyar, “On the Energy Detection of Unknown Signals over Fading Channel for Different Diversity Combining Techniques” in proc. of conf. “IEOM-2016” held in Kuala Lumpur, Malaysia.
9. Alka Verma, Manish Singh, Neelam Srivastava, “Bandwidth Enhancement methods of Rectangular Microstrip Antenna”, National Conference on Emerging Trends in Electrical & Electronics Engineering NCETEEE’16, 19-20 August 2016.
10. Arun Kumar Singh, Neelam Srivastava, Piyush Singh, “Review on Various Filters to Suppress Impulsive Noise from Speech Signal”, National Conference on Emerging Trends in Electrical & Electronics Engineering NCETEEE’16, 19-20 August 2016.
11. Varun Shukla, Atul Chaturvedi , Neelam Srivastava, “An Authenticated Key Agreement Protocol for Wireless Communication Using Cryptography”, National Conference on Emerging Trends in Electrical & Electronics Engineering NCETEEE’16, 19-20 August 2016.
12. Varun Shukla, Neelam Srivastava, Atul Chaturvedi, “A Two Party Communication Protocol for Financial Transactions Using Discrete Logarithm Problem”, National Conference on Emerging Trends in Electrical & Electronics Engineering NCETEEE’16, 19-20 August 2016.
13. Varun Shukla, Neelam Srivastava, et.al, A Cryptographic Key Agreement Communication Protocol for Data Management System, IEEE International conference on advanced computing and software engineering (ICACSE)[KNIT, Sultanpur], 2016
14. Varun Shukla, Neelam Srivastava, et.al, A bit commitment signcryption protocol for wireless transport layer security (WTLS), 2016 IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics Engineering (UPCON)[IIT-BHU],
15. Ashish Kumar Rao, Suchita Shukla, Neelam Srivastava, “Spectrum Sensing Schemes in Cognitive Radio Networks: A Survey”, National Conference on Emerging Trends in Electrical & Electronics Engineering NCETEEE’16, 19-20 August 2016.
16. Rupali Agarwal, Neelam Srivastava and Himanshu Katiyar “Energy Detection of Unknown Signals over Rayleigh Fading Channel for EGC and SSC Diversity Combining Techniques” (ICETEESES) March 11-12 2016 organized by KNIT Sultanpur, technically sponsored by IEEE UP Section (India) Under the Aegis of World Bank TEQIP-II Project.
17. Suchita Shukla, Ashish Kumar Rao and Neelam Srivastava “A Survey on Energy Detection Schemes in Cognitive Radios” (ICETEESES) March 11-12 2016 organized by KNIT Sultanpur, technically sponsored by IEEE UP Section (India) Under the Aegis of World Bank TEQIP-II Project.
18. Ashish Kumar Rao, Suchita Shukla and Neelam Srivastava “Spectrum Assignment in Cognitive Radio Network: A Survey” (ICETEESES) March 11-12 2016 organized by KNIT Sultanpur, technically sponsored by IEEE UP Section (India) Under the Aegis of World Bank TEQIP-II Project.
19. Akash Porwal and Dr. Neelam Srivastava “Multi Slotted RFID Applications Antenna.” National Student Conference on Advances in Electrical & Information Communication (AEICT- 2014) April 12-13 2014 technically sponsored by (IETE - The Institute of Electronics and Telecommunication Engineers) Kanpur center.

20. Rupali Agarwal, Neelam Srivastava, Himanshu Katiyar, "A survey on different power allocation techniques in cooperative communication" in proc. Of conf. "COTII'13" held in Ambalika Institute of Management & technology, Lucknow.
21. Rupali Agarwal, Neelam Srivastava, Himanshu Katiyar and Rohit Sachan, "Comparison of Power allocation Strategies in co-operative communication" in proc. Of International conf. "ICETDSMT'13" held in RKGIT, Ghaziabad.
22. Neelam Srivastava, presented a technical lecture on "ICT and Improving Road Safety" on the occasion of Engineer's day celebrated by Institution of Engineer's, Lucknow center on 17th May 2013.
23. Neelam Srivastava, "Empowering Rural Community through Information Communication and Technology Tools", presented in National Seminar on "Rural Empowerment through Broad Band" Organized by IETE Lucknow Center , March 16-17, 2013.
24. Neelam Srivastava, "Microstrip Antennas for Wireless Environment", presented in workshop titled "Recent Advances in Microwave Engineering: Devices, Technologies and Applications" organized by Department of Electronics Engineering Institute of Technology, Banaras Hindu University held on Jan 20-21 ,2012.
25. Neelam Srivastava, "Mobile Phone radiation –Is it Really Harmful", presented in National Seminar on "Wireless Vision -A Global Perspective & Issues" Organized by IETE Lucknow Center, September 23-24, 2011.
26. Neelam Srivastava, "Multiple Access Schemes and technology for Next Generation Wireless Networks", presented in National Seminar on "Wireless Vision-A Global Perspective & Issues" Organized by IETE Lucknow Center, September 23-24, 2011.
27. Arun Kumar Singh, Neelam Srivastava and Amardeep Gupta, "Potential Transmission Count(PTC) Metric with Protocols(DSDV,DSR) to Enhance Throughput in Adhoc Networks", paper presented in International Conference on Future Trends in Information and Communication Technologies, organized by AECE of Department of Electronics & Communication Engineering RKGIT, Ghaziabad in collaboration with DST Govt. of India & Institution of Communication Engineers & Information Technologists(ICEIT) held on 11 Feb. 2011.
28. Kshitij Shinghal, Arti Noor, Neelam Srivastava & Raghuvver Singh, "Energy Aware transceiver for Wireless Sensor Network Node" paper presented in International Conference on Advances in Electrical & Electronics Engineering, Feb. 25-26, 2011, Organized by Moradabad Institute of Technology, Moradabad, U.P., India.
29. Kshitij Shinghal, Arti Noor, Neelam Srivastava & Raghuvver Singh, "Smart Battery for Low Power WSN Node", paper presented in International Conference on Advances in Electrical & Electronics Engineering, Feb. 25-26, 2011, Organized by Moradabad Institute of Technology, Moradabad, U.P., India.
30. Sweta Agarwal, Neelam Srivastava, Sumit Srivastava & Anjali Plawat, "Simulation of S-Shape Dual Band Antenna for wireless LAN applications" presented in ICEIT National conference on Advances in Wireless Cellular Telecommunications: Technologies and Services April 14-15, 2011.
31. Verma Alka, Srivastava Neelam & Verma Doshant, "Rectangular Microstrip Antenna Symmetrically Loaded with Gunn Diodes has been accepted in International conference ICMARS-2010, Jodhpur, December 2010.
32. Arun Kumar Singh , Neelam Srivastava "A Count Metric Strategy with Protocols to Increase Throughput in Ad Hoc Networks" IEEE Microwave Theory and Technique Society India chapter/ NECE-2010 , MITS-Gwalior, Page No.-131.
33. Arun Kumar Singh , Neelam Srivastava , "An Effective Technique of Routing for MANETs """,IEEE Microwave Theory and Technique Society India chapter/ NECE-2010 , MITS-Gwalior, Page No.-106.

34. V K Vishwakarma, Neelam Srivastava P K Jain , Deepika Gumber and Rashmi Singh, “. “Studies for Design of 42 GHz, 200 kW CW Gyrotron Cavity”, in National symposium on VEDA-2010, dated 18-19 Nov. 2010 at IFTM University, Moradabad.
35. Arun Kumar Singh, Neelam Srivastava , Ankur Garg & Amardeep Gupta, “A WiMAX Segmentation for 3rd Generation N/W Simulator” Proceeding of IEEE International Conference on Computer and Communication Technology (ICCT 2010) 17-19<sup>th</sup> Sept. 2010, Organized by Department of Computer Science & Engineering, MNNIT, Allahabad, U.P., India.
36. Neelam Srivastava, “Potential and Challenges of Next Generation Wireless Sensor Networks”, National Seminar and Exhibition on “Emerging Applications on Next Generation Networks” on Organized by IETE Lucknow Center, 23-24<sup>th</sup> Jan. 2010.
37. V K Vishwakarma, Neelam Srivastava P K Jain and B N Basu , “Appreciation of HFSS/CST Microwave Studio with respect to Eigen characteristics of Resonators and Dispersion Characteristics of Waveguides” in National symposium on VEDA-2009,organized by IT-BHU, Varanasi held on 8-10 Jan 2009 .
38. Neelam Srivastava ,“Bio Sensors-Its Usage in Wireless Sensor Networks ”presented in the National Seminar on “Recent Strategies of Management , Technology & Environmental Control” organized by S. D. College of Engineering & Technology Muzaffar Nagar, U.P, India, held on 9-10<sup>th</sup> February 2008.
39. Neelam Srivastava, Subodh Wairya & Sanjay Singh “Nano-Materials revolutionized the world of Electronic Technology”, National Conference on “Advanced Materials” Organized by Department of Chemistry, Uday Pratap Autonomous College, Varanasi, from 6-8<sup>th</sup> March 2008.
40. Shalini Singh, & Neelam Srivastava, “Implementation Of Shortest Path Algorithm In VISI” Accepted In National Conference On Emerging Trends in Electrical, Electronics And Computer Technologies Co-Sponsored by IEEE Organised by Department of Electrical & Electronics Engineering, Ajay Kumar Garg Engineering College, Ghaziabad, U.P, India, 5–6<sup>th</sup> September, 2008.
41. Neelam Srivastava & Subodh Wairya “Usage scenario with Wi Max for mobile/High speed Portable Broad Band data services Applications ”, in , Zonal Seminar and Exhibition on “Wireless for Broad Band & Multimedia Communication: A Global Perspective” on Organized by IETE Lucknow Center, 23-24<sup>th</sup> February 2007.
42. Neelam Srivastava, “Introduction to wireless sensors Networks and its challenges”, Zonal Seminar and Exhibition on “Wireless for Broad Band & Multimedia Communication: A Global Perspective” on Organized by IETE Lucknow Center, 23-24<sup>th</sup> February 2007.
43. Neelam Srivastava & Subodh Wairya, “Vision of Next Generation Networks: Architecture Implementation and Service”, National Conference titled “Emerging technologies and Trends in IT 2007” Organized by ITS Ghaziabad, 23-24<sup>th</sup> February 2007.
44. Alkesh Agrawal, Neelam Srivastava & Ragini Tripathi “Performance Improvement of Long Haul Return-to-Zero Dense WDM System via Dispersion Interleaving” presented in a Conference conducted by IETE and IE (India) on 8-9 Sept. 2007 on “Communication Convergence” Organized by The Institution of Engineers, Lucknow Center.
45. Monauwer Alam, V. S. Chandel & Neelam Srivastava “Advancement in SPIHT based image Compression”, pp 313-318 “ National Conference on Emerging trends in Physics, Electronics and Engineering Sciences”, JSS College, Mysore, 25-26<sup>th</sup> Sept. 2006.
46. Neelam Srivastava “Broadband Network Services and Impact of Optical Amplifiers on their Performance” National Seminar on “Future Broadband, Wireless& Mobile Communication” on Organized by IETE Lucknow Center, 11-12<sup>th</sup> March 2005.

47. Neelam Srivastava & Subodh Wairya, “Wi-Fi Why needed and how Implemented” International Conference Organized by IIIT Allahabad, 5-6<sup>th</sup> March, 2005.
48. Neelam Srivastava & Subodh Wairya “An Overview of Dense Wavelength Division Multiplexing Optical Networking”, National Seminar on “Future Broadband, Wireless & Mobile Communication” on Organized by IETE Lucknow Center, 11-12<sup>th</sup> March 2005.
49. Neelam Srivastava, “Characterization of Erbium doped Fiber amplifier and its impact on Optical communication Networks”, Organized by Northern India Engineering College, Lucknow, 21-22<sup>th</sup> Feb. 2003.
50. Neelam Srivastava “Fundamentals of Erbium Doped Fiber Amplifier and its Role in WDM Networks”, presentation in symposium on “Advances in Electronics-Electro-2001, organized by Institute of Technology (IT), BHU, Varanasi, Jan. 4-6<sup>th</sup> ,2001.
51. Neelam Srivastava “Optical Telecommunication and Optical Amplifiers”, in the Seminar on “ICE Age Information, Communication & Entertainment” Organized by The Institution of Electronics & Telecommunication Engineers , Lucknow, 27-28<sup>th</sup> April, 2001.
52. Neelam Srivastava “Effective Inputs Towards Pervasive Information Technology”, in All India Seminar on “I.T For Home, Office & Industry ”, Organized by The Institution of Engineers, Lucknow, Jan. 14-16<sup>th</sup> , 2000.
53. Neelam Srivastava “Role of Digital Technology in Wireless Connectivity of Internet and in Revolution of Thinking Machines”, International Seminar on “Management on Internet ” Organised by Invertis Institute of Management Studies, Bareilly, 19-20<sup>th</sup> Feb. 2000.
54. Neelam Srivastava “Performance Study of Code Division Multiple Access Technology in Wireless Local Loop and Network Strategy in Coherent Optical Networks” 31<sup>st</sup> Mid Term Symposium on “Emerging Wireless Communication Technologies & Systems”, Organized by The Institution of Electronics & Telecommunication Engineers”, Ahmadabad, 8-9<sup>th</sup> April 2000.
55. Neelam Srivastava “Technologies for Optical Networking and Practical Constrained in their Growth”, presented in the National Conference in I .E .T, Lucknow, 1999.
56. Neelam Srivastava “Architecture and Techniques for Optical Networks”, presented in National Seminar on “Emerging Trends In Electronics & Computers” , Organized by Dr RML University, Faizabad, U.P., India, held on 11-12<sup>th</sup> March 1999 .
57. Neelam Srivastava & Amit Chandra “Module of Technical Education Pattern with altered Matrix in order to meet the Challenges of Next Millennium” presented in All India Seminar on “Technical Education – Challenges Ahead” Organized by The Institution of Engineers , U.P. State Centre , Lucknow, 23-24<sup>th</sup> October 1999.
58. Neelam Srivastava “Wireless Accessibility to Internet –The Demand of Next Millennium”, in the Seminar & Exhibition on “Internet Emerging Telecom Networks & Technologies ” Organized by The Institution of Electronics & Telecommunication Engineers , Lucknow, 13-14<sup>th</sup> Nov. 1999.
59. Neelam Srivastava, S. K. Srivastava & Anima Chatterjee, “A Brief Discussion about different types of Cathode used in Microwaves”, presented in National Seminar on “Modern trends in Electronics” Organized by Department of Electronics M.M.M. Engineering College, Gorakhpur, U.P., India, held on 04-05<sup>th</sup> Feb. 1988.

**(d) Book Published**

1. Book Entitled “Elements of Microwave Engineering and its Application” by Neelam Srivastava Published by Dhanpat Rai Publishing Company in the year Jan. 2003.

2. Book Entitled “A Simplified Approach to Telecommunication and Electronic Switching Systems” by C.B.L. Srivastav, Neelam Srivastava & Subodh Wairya published by Dhanpat Rai & Co., 2006.

**(e) Ph. D Guided and Awarded**

1. Arun Kumar Singh, “A Novel Strategy for High Throughputs in Ad- Hoc Networks”, awarded by Shobhit University, Meerut.
2. Kshitij Singhal, “Development of low power Wireless Sensors Network Node-an SoC Approach”, awarded by Shobhit University, Meerut.
3. Nitin Jain, “Performance Enhancement of TCP in Wireless Environment”, submit the thesis under UPTU, Lucknow.

**Ph. D. Candidates: (under progress)**

1. Shuchita Shukla, “Throughput and Energy Efficient Strategies for Cooperative Spectrum sensing in Cognitive Radio”, under TEQIP Scheme in IET, Lucknow (thesis submitted).
2. Roopali Agarwal, “Performance Analysis of Cooperative Relay Technique in Wireless Communication” under UPTU, Lucknow (thesis submitted).
3. Manish Singh, “Design Analysis and Performance Optimization of Microstrip Patch Antenna ” under UPTU, Lucknow
4. Anil Singh Rathore, “Performance Analysis of OFDM-IDMA scheme in Wireless Communication”, under UPTU, Lucknow.
5. Alka Verma, “Design and analysis of circular polarized micro strip antenna with EBG structures”, under UPTU, Lucknow.
6. Krishna Kant Verma, “Performance Analysis of LSP blocking rate policies in GMPLS enabled optical Network, under UPTU, Lucknow.
7. Varun Shukla, “Secure Wireless Communication Protocols using Cryptography” under UPTU, Lucknow.
8. Ashish Kumar Rao, “Throughput Optimization of Energy Efficient cooperative spectrum sensing in Cognitive Radio Networks” , under TEQIP Scheme in IET, Lucknow.

**M. Tech. Thesis Guided under UPTU and IET.**

1. Neha Jaiswal, “Improved Energy Detector Based Spectrum Sensing In Cognitive Radio Networks”, submitted in April 2015 in UPTU, Lko.
2. Ruchita Bajpai, “Performance Improvement of SAC-OCDMA System with Single Photodiode Detection (SPD) Technique” result awaited in IET, Lucknow.
3. Pratishtha Agnihotri, “Performance Analysis Of SAC - OCDMA With Dynamic Cyclic Shift (DCS) Code”, 2015.
4. Akash Porwal, “Performance Analysis of Different Slotting On Square Patch Antenna (SPA) For RFID Applications”2014.
5. Chandra Shekhar Prasad Vind, “An Improved Methodology For Dispersion Compensation And Design Of Dense WDM System In Optical Fiber Communication Networks”2014.

6. Sandeep Kumar Verma, "Design, Optimization And Simulation Of Improved H-Shaped And Human Face Shape Slot Loaded Microstrip Patch Antenna"2014.
7. Medhavi Agarwal," "E-Shaped Microstrip Patch Antenna Array For Ku-Band On Al<sub>2</sub>O<sub>3</sub> Substrate",2014.
8. Arpita Johari, "Performance of Nakagami – m Fading Channels With Equal Gain Combining & Maximal Ratio Combining Diversity",2012
9. Alka Verma," "Design and Analysis of Symmetrically Gunn Diode Loaded Rectangular Microstrip Antenna, 2011.
10. Anil Sharma,"A compact low pass microstrip filter with ultra wide stop band using Defect ground Structure (DGS)",2011.
11. Vinod Vishwakarma,"Analysis of Interaction Structures for Gyrotrons" 2011.
12. Anil Singh Rathore, "Performance Analysis of Peak-to-Average Power Reduction in MIMO-OFDM Systems",2010.
13. Smriti Agarwal, "New Walsh like Binary Codes and their Performance Comparison with existing Codes for DS/CDMA System", 2010.
14. Shalini Singh, "Rectilinear Minimal Steiner Tree Algorithm for VLSI Design", 2008.
15. Devendrs Pratap Maurya, "Image Representation Using Non-Orthogonal Basis Images with Mixed Transform", 2006.
16. Monika Bhatnagar, "Adaptive Channel Equalizer Using LMS algorithm on MATLAB", 2006.
17. Monauwer Alam, "Image Compression using SPIHT Algorithm", 2006.

## 17. ACADAMIC ACTIVITIES

### (a) Short Term Courses:

1. Attended "Management Capacity Enhancement Programme" for Administrative Heads of Higher Education Institutions organized by Indian Institute of Management ,Banglore from 7-11 Sept,2015.
2. National Training Programme on "Entrepreneurship Development & Management", organized by Entrepreneurship Development Institute of India, Ahmadabad and sponsored by DST from 18<sup>th</sup> to 22<sup>nd</sup>March, 2013.
3. Short Term Course On "Research Methodology" Organized by IET, Lucknow, March 30<sup>th</sup> -April 28<sup>th</sup>, 2009.
4. Short Term Course On "Probability and Statistical Tools for Researchers" Organized by IET, Lucknow, March 30<sup>th</sup> -April 28<sup>th</sup>, 2009.
5. MHRD/AICTE Sponsored Short term Training Programme "Wireless Networks" (WN-08) by ABV- Indian Institute of Information Technology & Management, Gwalior, Dec. 8- 12, 2008.
6. Short Term Course On "Mobile Radio Communication Networks" Organized by I.I.T Kanpur, Oct. 25- Nov. 04, 1999.
7. Short Term Course On "Recent Trends in Telecommunication Systems Planning, Development & Modeling, sponsored by AICTE and Organized by I.I.T Kharagpur, June 30-July 11, 1997.

### (b) Workshop

1. Organized National workshop on "Managerial Effectiveness Enhancement Program for Non teaching and Administrative staff" under SPFU Uttar Pradesh in Collaboration with Engineering Staff College of India, Hyderabad under TEQIP-II from 22-24 July 2016.

2. Organized National workshop for faculty on “Outcome Based Education and NBA Accreditations” under SPFU Uttar Pradesh in Collaboration with Engineering Staff College of India, Hyderabad under TEQIP-II from 01-03 July 2016.
3. Delivered lecture in “ICT Entrepreneurship for Social Impact” organized by The Institution of Engineers on Engineer’s Day on 17<sup>th</sup> May 2016.
4. Delivered lecture in “Progress and Advancement in Microstrip/Printed Antenna and its Applications”, in a National workshop organised by Madan Mohan Malaviya University of Technology on 16<sup>th</sup> December 2015.
5. Organized and Participated, “Curriculum Review workshop for Electronics Engineering”, under the guidance of U P Technical Education in IET Lucknow from 15-16 June. 2015.
6. Organized & Attended a National workshop on “Industry Academia Interaction on Frugal Engineering” ,under TEQIP-II in IET Lucknow on 26<sup>th</sup> October, 2013.
7. Attend Workshop on “E-waste Management”, on Sept 26<sup>th</sup>, 2013 at PHD Chamber of Commerce and Industry (PHDCCI), Lucknow.
8. Organized and Attended National Workshop on “Industry Academia Interaction for Innovation and Quality Technical Education: A Path Forward for 2020” on 4<sup>th</sup> September 2013 under TEQIP-II in IET Lucknow.
9. Attended Technical Seminar cum Hands –on “Overview of Advanced Electronic Instruments” organized by Agilent Bangalore at Lucknow on 24<sup>th</sup> July, 2013.
10. Organized & Attended a Workshop titled “Capability Building of Affiliated Institutions of GBTU” organized by GBTU at Lucknow held on Jan 17-18,2013
11. Attended a workshop titled “ Recent Advances in Microwave Engineering : Devices, Technologies and Applications” organized by Department of Electronics Engineering Institute of Technology, Banaras Hindu University, Varanasi, held on Jan 20-21 ,2012.
12. Organized & Attended a Workshop titled “Workshop on Practical’s on MATLAB for B.Tech Courses organized by Department of Electronics Engineering, IET Lucknow, held on April 08-10, 2008.
13. Organized & Attended a Workshop titled “Practical Workshop on Embedded System Designs Based on Micro controllers” organized by Department of Electronics Engineering, IET Lucknow, held on February 28-29, 2008.
14. Organized & Attended a Workshop titled “VLSI Design Tools” organized by the Department of Electronics Engineering, Institute of Engineering and Technology, Lucknow on 17-18 Nov. 2007.
15. Attended Work shop on “Circuit Simulation using SPICE VHDL” organized by Electrical Engineering Department, MNNIT, Allahabad, held on 8-10 April 2006.
16. Attended Workshop on “Adhoc and Sensor Networks” organized by IIIT, Allahabad held on 17-19 December, 2006.

**(c) Conferences/Seminar Attended**

1. Attended State level Faculty Interaction Seminar under the aegis of department of Technical Education Government of Uttar Pradesh Sponsored by world Bank TEQIP II , organized by Harcourt Butler Technological Institute Kanpur, 8-9 June , 2015,
2. National Seminar on “MATLAB & Simulink for Engineering Education” organized by Math Works Bangalore at Lucknow on 16<sup>th</sup> July,2013.
3. Attended National Seminar on ‘Sanitation – The Challenges Ahead’ held at IET Lucknow on 26 March, 2008.
4. Attended National Conference on “Emerging Technology and Trends in IT 2007 (NCET 2007)” organized by ITs, Ghaziabad held on 06-07 December, 2007.

5. Attended Second International Conference on “Wireless Communication and Sensor Networks” organized by IIIT, Allahabad held on 17-19 December, 2006.

## **18. ADMINISTRATIVE ACTIVITIES**

**A. As Director Rajkiya Engineering College Kannauj:** Highlights of some major works are as follows:

1. After going through rigorous process we appointed 32 faculties for the institute in December 2018 in different disciplines’.
2. Achieve Excellency in Academics and amongst the best college under APJAKTU, as has been backed up by the VIBGYOR analysis released by the university.
3. Among the Top Eight Institutions (Local Chapter of NPTEL, Govt. of India) as per the ranking released in June 2018 by NPTEL.
4. First and only institute among the three newly established Rajkiya engineering colleges in 2015 to get AICTE approval in 2018.
5. Almost all the labs have been developed and fully functional.
6. Fully Networked Academic block and Wi-fi campus with 24 hour energy backup.
7. First REC to conducted no of FDP for academic fraternity in last 12 months, 04 are still in pipeline and will be conducted in next 05 months.
8. An International conference was held on 01-02 Feb 2019.
9. One of the Research centres of AKTU.
10. Developing Innovation and Incubation Cell at college campus.

**B. At Institute of Engineering & Technology, Lucknow as faculty from 22 Aug 1986 to 3<sup>rd</sup> Jan 2017**

**(a) Departmental:-**

**(i) Under Graduate (UG) Level:**

1. Dean Academics from July 2016
2. Dean PG & R from
3. Head: Electronics Engineering Department
4. Working as Lab In-charge :
  1. Microwave Lab,
  2. Communication Lab,
  3. Wireless Communication Lab.
5. Teaching:
  1. Basic Electronics,
  2. Antenna and Wave Propagation,
  3. Opto- Electronics,
  4. Micro Wave & Radar Engineering,
  5. Electromagnetic field theory,
  6. Computer Data Networks,

7. Optical instrumentation,
8. Optical Communication,
9. Switching theory and logic design,
10. Wireless Communication.

6. Project Guided: Guided around 20-25 project and Seminar for B.Tech students every year.

7. I/C TEQUIP: I/C TEQUIP World Bank (Departmental).

**(ii) Post Graduate (PG) Level:** Teaching

1. Opto- Electronic Devices
2. Mobile Computing
3. Digital Design using VHDL
4. Fiber Optical Communication
5. Information theory and coding
6. Data Networks(CS students)
7. Microwave Integrated Circuits

**(b) Institutional Activities:**

1. Working as Dean Academics.
2. Working as Dean PG & Research.
3. Worked as Head of the Department, Electronics Engg. Department.
4. Working as Chief Warden(Girls) and Warden Gargi Bhawan.
5. Worked as Warden of Apala Chatravaas for about 16 years (1999-2014) and Sarojini Bhawan from the year 2011-2014.
6. Proctor from Feb 2014.
7. Incharge Time Table for 10 Years (1992-2002).
8. Worked as Assistant Center Superintendent for the Session 2000-2001 for Lucknow University as well as UPTU.
9. Participated in Cultural and Sport Activities in the College as In-charge in allotted Fields.
10. Center Counselor , IEEE Student Chapter ,IET Lucknow.
11. Chair Person, Women Welfare Cell, formed in the Institute.
12. Served as Member of the Core Group formed to make the Project to be submitted to the World Bank and presently also associated in the activities taken in the World Bank Project.
13. Co-Coordinator e-NBA.
14. Coordinator PG Programmes.

**(c) Technical University Activity**

1. Working as Convener in the Women Welfare Center Constituted in the University.
2. Worked as Member flying Squad in UPTU Examination.
3. Worked as Member Moderation committee in UPTU Examination.
4. Worked as Examiner, M.Tech Dissertation Viva-Voce Exams of Sequential M.Tech Scheme.
5. Worked as Head Examiner in evaluation work in UPTU Examination.
6. Worked as Center Controller in State Engineering Entrance Examination (SEE).

**(d) State Level Activity**

1. Central Project Coordinator, SPFU, Uttar Pradesh, Lucknow (TEQIP II World Bank Project).
2. Elected as Honorary Secretary, IETE Lucknow chapter for the session 2016-18.

**19. MEMBERSHIP OF PROFESSIONAL BODIES:**

1. IETE (F-080648)
2. IE (M-134084-5)
3. IEEE (M-90773749)
4. Member Board of Faculty of Engineering and Technology, Lucknow University.
5. Invited Member Board of Studies, Electronics Engineering, UPTU, Lucknow
6. Member Proctorial Board, IET, Lucknow.

**20. WORK AT INTERNATIONAL LEVEL:**

1. Guest Editor in International Journal of APPLIED ENGINEERING RESEARCH, Research India Publication, ISSN 0973-4562, Vol. 14, No. 2, 2019.
2. Reviewer in Journal of Engineering Science and Technology.

Dr. Neelam Srivastava  
Director R E C Kannauj  
& Professor  
Electronics Engineering Department.  
I.E.T. Lucknow.