

CURRICULUM VITAE

Ashok Kumar Shankhwar

Professor, Department of Electronics Engineering

School of Engineering, HBTU, Kanpur-208 002

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Academic Qualification

Examination/ Degree	Specialization	Board/University	Passing Year	Division/ Per
10 th	PCM	U.P. Board	1985	I st /70.00%
12 th	PCM	U.P. Board	1987	I st /61.20%
B.Tech	Electronics Engineering	KNIT Sultanpur/ Avadh University, Faizabad	1991	I st /67.33%
M.Tech.	Digital Techniques in Instrumentation	SGSITS Indore/RGPV Bhopal	2003	74.05%
Ph.D.	Design and Performance Evaluation of Generalized Rake Receiver for High Data Rate for Mobile Radio	M.N.N.I.T. Allahabad	Awarded in September 2014	

International Journal.

1. **Ashok K. Shankhwar**, Sachin Sharma, Arun Prakash and Rajeev Tripathi, "Fast Converging Generalized Turbo Decoding Scheme with Enhanced Throughput for Mobile Radio," *Communication and Network*, SCIRP, USA, ISSN: 1949-2421, Vol. 5, Issue 1, pp.9--15, DOI: 10.4236/cn.2013.51001.
2. Md. Iftekhar, **Ashok K. Shankhwar**, Arun Prakash, and Rajeev Tripathi, "Performance Evaluation of Adaptive Modulation Based MC-CDMA System," *Wireless Engineering and Technology*, SCIRP, USA, ISSN: 2152-2294, Vol. 4, Issue 1, pp.54--58, DOI: 10.4236/wet.2013.41008.
3. Parnika Kansal and **A K Shankhwar**, "Performance Analysis of FBMC-OQAM based 5G Wireless System using PAPR" *International Journal of Computer Applications* 161(12):15-20, March 2017. DOI: 10.5120, /ijca2017913105
4. Kansal, P. and **Shankhwar, A.K.**, "FBMC vs OFDM Waveform Contenders for 5G Wireless Communication System," *Wireless Engineering and Technology*, 8, pp 59-70 Oct. 23, 2017. DOI: 10.4236/wet.2017.84005 <https://doi.org/10.4236/wet.2017.84005>.
5. M. Srivastava, M. K. Shukla, N. Srivastava, **A.K. Shankhwar** " PAPR Reduction in ACO-OFDM for Visible Light Communication System", *Journal Of Engineering Science And Technology* Vol. 13, No. 9 (2018) 2930 - 2944 © School Of Engineering, Taylor's University.

6. Iqra, **A. K. Shankhwar**, J. Bhasker, "Design of Carbon Fiber Based Reinforced Polymer Based Parabolic Reflector" *International Journal of Research in Mechanical and Civil Engineering (IJERMCE)*, Vol.4, Issue 5, May 2019. ISSN(online) 2456-1290.
7. R. Pandey, **A. K. Shankhwar**, and A. Singh, "Design, Analysis, and Optimization of Dual Side Printed Multiband Antenna for RF Energy Harvesting Applications," *Progress In Electromagnetics Research C*, Vol. 102, 79-91, May 2020. (Elsevier SCOPUS Indexed) doi:10.2528/PIERC20022901
8. Sadhana Pal, **A. K. Shankhwar**, "Design and Analysis of Slotted Patch Microstrip Antenna" *International Journal of Emerging Technology and Advanced Engineering* (ISSN 2250-2459, ISO 9001: 2008 Certified Journal) Volume 10, Issue 05, May 2020.
9. Pooja Nishad, **A. K. Shankhwar**, "Energy Efficiency Adapted Sector based Stable Election Protocol in Wireless Sensor Networks" *International Journal for Research in Applied Science and Technology*. Volume 8, issue VI, June 2020. doi: 10.22214
10. M. Srivastava, M. K. Shukla, N. Srivastava, **A. K. Shankhwar**, " A Hybrid Scheme for Low PAPR in Filter Bank Multicarrier Modulation" *wireless personal communications* 113(9), July 2020 DOI:10.1007/s11277-020-07265-7
11. Rashmi Pandey, **Ashok K. Shankhwar**, and Ashutosh Singh, "An Improved Conversion Efficiency of 1.975 to 4.744GHz Rectenna for Wireless Sensor Applications" *Progress in Electromagnetics Research C*, Vol. 109, 217–225, 2021. (SCOPUS)
12. Rashmi Pandey, **Shankhwar A.K.**, Singh A. "Far Field Analysis of Defected Ground Structured Wideband Antenna for RF Energy Harvesting Applications". In: Harvey D., Kar H., Verma S., Bhadauria V. (eds) *Advances in VLSI, Communication, and Signal Processing. Lecture Notes in Electrical Engineering*, vol 683. (2021), Springer, Singapore. https://doi.org/10.1007/978-981-15-6840-4_16 (SCOPUS).
13. Aishwarya Tomar, **A.K. Shankhwar**, "Investigation and Design of Dual Gate Dielectrically Modulated Junction less TFET for Biomolecule Recognition" *International Journal for Research in Applied Science & Engineering Technology (IJRASET)* Volume 9 Issue VI Jun 2021. ISSN: 2321-9653;
14. Prishail Mishra, **A. K. Shankhwar**, "Dual-band T Shaped Antenna at Millimeter Wave Frequency for 5G Applications" *International Journal for Research in Applied Science and Technology*. Volume 9, Issue VII, July 2021. doi: 10.22214
15. Rashmi Pandey, **Shankhwar A.K.**, Singh A. "Design and Analysis of Rectenna at 2.42 GHz for Wi-Fi Energy Harvesting" *Progress In Electromagnetics Research C*, Vol. 117, 89-98, Dec. 2021. [doi:10.2528/PIERC21100409](https://doi.org/10.2528/PIERC21100409)
16. Varunika Dixit, **A. K. Shankhwar**, "Adaptive Power Allocation for Cooperative FD-NOMA Systems in 5G Systems" *Journal of Electronics and Communication Engineering Research* Volume 8 ~ Issue 9 (2022) pp: 07-12. ISSN(Online): 2321-5941.
17. Abhishek Chauhan, **A. K. Shankhwar**, "Design & Development of Fuzzy Inference System for Hand-off in Cellular System" *International Journal of Engineering Research & Technology (IJERT)*, ISSN: 2278-0181 Vol. 11 Issue 08, August-2022.

18. Varunika Dixit, **A. K. Shankhwar**, “Adaptive Power Allocation For Cooperative Noma System With Imperfect SIC” *International Journal of Electronics and Communication Engineering (IJECE)*, ISSN (P): 2278–9901; ISSN (E): 2278–991X Vol. 11, Issue 2, Jul–Dec 2022.
19. Abhai Shankar Chaurasia, **A. K. Shankhwar**, and A. Singh, “Design and analysis of the Flexible Antenna behavior for Microwave Imaging of breast cancer” *Journal of Integrated Science and Technology, J. Integr. Sci. Technol.*, Issue Vol.12 No.2 (2024), September 2023. (SCOPUS)
20. Rashmi Pandey, **Shankhwar A.K.**, Singh A. “RF Rectenna: Fundamental Discussions and Applications in Modern Wireless Trends” *Industrial Engineering Journal*, ISSN: 0970-2555 Volume: 52, Issue 12, No. 2, December: 2023.

International Conference

1. **A. K. Shankhwar**, A. Prakash and R. Tripathi, “Study and Performance of Adaptive Modulation for Wireless Fading Channel,” *Proceedings of International Conference on Electronics, Communication and Instrumentation, ICECI-2012*, Jhansi, India, 6-7 April 2012 pp. 400-405.
2. S. Soni, A. Singh, and **A. K. Shankhwar**, "ITOS: Increased throughput with optimized sink position protocol in Wireless Body Area Network," *International Conference on Multimedia, Signal Processing and Communication Technologies (IMPACT)*, Aligarh, 2017, pp. 109-113. DOI: [10.1109/MSPCT.2017.8363985](https://doi.org/10.1109/MSPCT.2017.8363985)
3. S. Singh, P. Bajpai, A. Singh and **A. K. Shankhwar**, "A New Incentive Based Algorithm for Avoiding Free Riding in Peer to Peer Network," *International Conference on Computational and Characterization Techniques in Engineering & Sciences (CCTES)*, Lucknow, India, 2018, pp. 156-159. DOI: [10.1109/CCTES.2018.8674136](https://doi.org/10.1109/CCTES.2018.8674136)
4. R. Giri, A. Singh, and **A. K. Shankhwar**, "Performance Improvement in Cognitive Radio using Even-Odd technique in QAM based K-spectrum Sensing Scheme," *International Conference on Computational and Characterization Techniques in Engineering & Sciences (CCTES)*, Lucknow, India, 2018, pp. 132-136. DOI: [10.1109/CCTES.2018.8674161](https://doi.org/10.1109/CCTES.2018.8674161)
5. Iqra, **A. K. Shankhwar**, J. Bhasker, “Design of Carbon Fibre Based Reinforced Polymer Based Parabolic Reflector” *International conference on Academic Science and Engineering (ICASAE-2019)*, IFERP, Lucknow, June 07-08, 2019.
6. P. Bajpai, A. Singh, and **A. K. Shankhwar**, "Performance Analysis of Neighbour Centrality Method Based Rumor Spread Control with Variable Spreading Rate," *International Conference on Electrical, Electronics and Computer Engineering (UPCON)*, ALIGARH, India, 2019, pp. 1-6. DOI: [10.1109/UPCON47278.2019.8980211](https://doi.org/10.1109/UPCON47278.2019.8980211)
7. Pandey R., **Shankhwar A.K.**, Singh A., 'Defected Ground Structured Wideband Antenna For RF Energy Harvesting'. (*IEEE*) SCOPUS *Proceedings of the Fourth International Conference on Trends in Electronics and Informatics (ICOEI 2020)* DVD Part Number: CFP20J32-DVD; ISBN: 978-1-7281-5517-3, 15 June 2020, pp. 280-283.

8. Pandey Rashmi and **A K, Shankhwar** and Singh, Ashutosh, “Design and Analysis of Wideband Rectenna for IoT Applications” *International Conference on IoT Based Control Networks & Intelligent Systems*, ICICNIS 2020, Available at SSRN: <https://ssrn.com/abstract=3769225> or <http://dx.doi.org/10.2139/ssrn.3769225> (SCOPUS) January 19, 2021.
9. Aishwarya Tomar, **A.K. Shankhwar**, “Design and Performance Investigation of Symmetrical Dual Gate Dopingless TFET for Biomolecule Recognition” *Proceedings of International Conference on Women Researchers in Electronics and Computing (WREC 2021)* April 22-24, 2021. Organized by the Department of Electronics and Communication Engineering, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab, INDIA Proceedings DOI: 10.21467/proceedings.114 Series: AIJR Proceedings; ISSN: 2582-3922; ISBN: 978-81-947843-8-8
10. Rashmi Pandey, **A. K. Shankhwar** and A. Singh, “Design of Triple band Slot Antenna for RF Energy Harvesting” *IEEE [2nd International Conference on Electronics and Sustainable Communication Systems (ICESC 2021)]* Hindustan Institute of Technology; Madras (Coimbatore) Section - ED Chapter; IEEE - Madras Section, IEEE XPLORE ISBN: 978-1-6654-2867-5, IEEE DVD ISBN: 978-1-6654-2866-8
11. Abhai Shankar Chaurasia, **A.K.Shankhwar**, and A. Singh, “Design of Novel Patch Antenna Using CST Software” *IEEE [2nd International Conference on Electronics and Sustainable Communication System (ICESC 2021)]*, Hindustan Institute of Technology, Madras (Coimbatore) section-ED chapter. (August4-6,2021).
12. Rashmi Pandey, **A. K. Shankhwar** and A. Singh, “Design of Dual Band Printed Antenna for RF Energy Harvesting Applications” *Springer [4th International Conference on VLSI, Communication and Signal Processing (VCAS 2021)]* MNNIT, Allahabad, Prayagraj 24-26, September 2021.
13. Abhai Shankar Chaurasia, **A.K.Shankhwar**, and A. Singh, “Design & Analysis of Complex Shaped Flexible Patch Antenna” *IEEE [2nd International Conference on Smart Electronics and Communication (ICOSEC 2021)]*, Tamil Nadu-India, October 7-9. 2021. DOI: [10.1109/ICOSEC51865.2021.9591891](https://doi.org/10.1109/ICOSEC51865.2021.9591891)
14. Pandey, K., **Shankhwar, A.K.**, Sadiwala, R. (2022). “Parametric Analysis of Circular Patch Wideband Antenna for IoT Application”. In: Dhawan, A., Mishra, R.A., Arya, K.V., Zamarreño, C.R. (eds) *Advances in VLSI, Communication, and Signal Processing*. Lecture Notes in Electrical Engineering, vol 911. Springer, Singapore. <https://doi.org/10.1007/978-981-19-2631-09>.

Area of Interest

1. Wireless & Mobile Communication
2. Analog Integrated Circuit
3. Digital Integrated Circuit
4. Electronic Circuits and Devices

Work Experience: 21 Years

1. Presently working as Associate Professor at HBTU, Kanpur (since 31-05-1996)
2. Worked as Guest Lecturer at HBTI, Kanpur (since Oct 1995 to April 1996)

Subjects Taught

A. UG Level:

1. Wireless Communications
2. Analog Integrated Circuit
3. Digital Integrated Circuit
4. Communications System Practice
5. Satellite Communications
6. Digital Electronics
7. Communication Systems
8. Basic Electronics
9. Electronics And Instrumentation
10. Electronics Engineering
11. Antennas and Microwaves
12. VLSI Technology
13. Telecommunication Switching

B. PG Level:

1. Telecommunication System Engineering
2. Digital and Mobile Radio

Workshop/Short-Term Course Organized (as Coordinator)

1. Have coordinated IRDT-sponsored short-term courses for Polytechnic Teachers
2. Have been Co-coordinator / have been in organizing committee / have been taking lectures in several short-term courses (faculty development programs) organized in the department
3. Have been taking Lectures in the Short-term Courses for Polytechnic Teachers, Organized by IRDT Kanpur.
4. Participated as '**Resource person**' in Faculty development program on 'Wireless and Mobile Communication', MNNIT, Allahabad (30 June-12 July 2008).
5. Worked as co-coordinator for a 3-day workshop on "Signal Processing and Filter Design" under the TEQIP scheme from May 09 – May 11, 2007.
6. Worked as co-coordinator for a 3-day training program on "Assembly and maintenance of emergency light and voltage stabilizer" for community development under the TEQIP scheme from July 09 – July 11. 2007.
7. Organized a week of FDP on Antennas and Microwaves from Jan 30 – Feb 04, 2017.
8. Member organizing committee for STC/FDP on Communication Networks: A Research Perspective from Feb 28 - Mar 04, 2017.
9. Organized a week of FDP on Antenna design and Microwaves application during Sept 2021

Reviewer

A. Books

1. Analog And Digital Communication, Tata McGraw Hill 2012

B. International Journal

1. Transactions of the Institute of Measurement and Control, SAGE Publications, U.K.
2. International Journal of Wireless Networks and Broadband Technologies, IGI Global USA
3. International Journal of Big Data Intelligence, Inderscience publishers UK

C. International Conference

1. Sixth IEEE Conference on Wireless Communication and Sensor Networks (WCSN-2010), IIT Allahabad.
2. Seventh IEEE Conference on Wireless Communication and Sensor Networks (WCSN-2011), IIT Allahabad.

D. Administrative Positions

1. Member SMC under project IMPACT Vide Letter no. 1772/admn/EC-Scheme/96 Dated Sept 26, 1996.
2. Member Selection Committee for “Cataloger and Jr. Library Asst. Vide letter no. 1133/admn/EC-II/2 Dated Sept 23, 1997.
3. Member Selection Committee for “Instruction in Mech Engg Deptt/Workshop. Vide Letter no. 1350/admn/EC-II/2 – selection Dated Oct 22, 1997.
4. Member SC/ST And BC Scholarship Committee in the year 1998-99 Vide Letter no. 436/Academic/SC ST & BC Schol/99 Dated Jan 04, 1999.
5. Member Anti Ragging Squad for the year 1998-99, 1999-2000.
6. Member Selection Committee for “Technician (ET) & Technician (CSE)”. Under SSS Scheme of project IMPACT Vide Letter no. 2181/admn/IMPACT Project – 99 Dated Feb 22, 1999.
7. Member Selection Committee for “Tech Asst (Mech. Maint.). Vide Letter no. 2318/admn/EC-II/2 – Interview Dated Mar 19, 1999.
8. Member M.Tech Admission Committee for year 2003-04 Vide Letter no. 186/Academic/PG Admission/03-04 Dated July 29, 2003.
9. Member Flying Squad for UPTU Examination for the year 2003-04, 2004-05, 2005-06.
10. Convener SC/ST Scholarship Committee Vide Letter no. 224/Academic/SC-ST Schol/03-04 Dated Aug 14, 2003.
11. Associate member of IETE since OCT, 1998. Currently Executive Committee member of IETE Kanpur Chapter
12. Faculty Advisor IETE Student Forum (ISF), Electronics Engg. Deptt. HBTI, Kanpur.
13. Warden WCH-III since Dec-2004-July 2007
14. Member Selection Committee for “Dy. Manager (Acc and Admn)” Vide Letter no. 2959-E/STEP-HBTI/2004 Dated May 19th, 2005.
15. Member Library advisory committee.
16. Member Selection Committee for “Research Assistant (Mechanical Engg.)” Vide Letter no. 561/admn/EC-II/2 Dated Aug 18th, 2006.
17. Member Departmental Promotion committee for Class III Vide Letter No. 773/Admn/EC-II/ Advtt.-04 Dated September 06, 2005.
18. Member Stock Verification Committee for Chemistry and Humanities department Vide Letter No. 105/Admn/G.A./Phy- Ver 2005-06 Dated Dated May 30, 2006.
19. Member Time Table Committee since 1997.
20. Member selection committee for Tech Assit - computer science vide letter no. 992/R.O/2006 dated 27.09.2006.
21. Member academic activity committee for TEQIP-II vide letter no. 254/DB//WB/comm. Const/10-11 dated Aug 11, 2010.

22. Warden, Dr. B.R Ambedkar Hostel No.2 vide letter no. 55/camp/Bijnore Engg.coll/10 dated Sept 21, 2010.
23. Member selection committee for appointing guest lecturer in Oil and Paint Tech.deptt, vide letter no. 631/admn/EC-III/2010 dated July 05, 2010.
24. Member selection committee for appointing guest lecturer in Electrical Engg.deptt, vide letter no. 631/admn/EC-III/2010 dated July 05, 2010.
25. Member selection committee for appointing guest lecturer in Plastic Tech deptt, vide letter no. 631/admn/EC-III/2010 dated July 05, 2010.
26. Convener , Centre Evaluation HBTI Kanpur
27. Faculty Advisor ISF Department of Electronics Engineering.
28. I/C M.Tech Programme of Department of Electronics Engineering.
29. Member DPC of Electrical Engineering Department, SPS, Placement cell.
30. Officer Incharge SPS
31. Convener IAP cell, Department of Electronics Engineering.
32. Member Academic Council of the Institute.
33. Member Purchase Verification Committee of the Institute
34. ASE at Exam cell in HBTU
35. Department representative in university placement cell.
36. Member Admission Committee-2018 of the University.
37. Associate Dean Incubation Hub
38. Head of Department of Electronics Engineering Since Oct 14, 2021

E. Interaction with other Institute/ Universities/Government Organizations

1. Member Selection Committee for Laboratory Supervisor, Junior Laboratory Technician at IIT Kanpur
2. Member Technical Bidding Committee at ALIMCO
3. Convener, Screening Committee for accreditation 'o' level courses appointed by NIELET, New Delhi.
4. Head Examiner UPTU
5. Member Flying Squad UPTU
6. Member BoS in the Department of Electronics Engineering at KNIT Sultanpur.
7. Examiner for M.Tech Thesis at UPTU Lucknow, Integral University, Lucknow, and Galgotia University, Greater NOIDA.
8. Question Paper setter for Integral University, Lucknow
9. Nodal Officer for UPSEE-2015

F. M.Tech/PhD Thesis Supervised

1. Ph.D: See Table Below

S.No.	Name	Title	Degree	University	Year
1.	Rashmi Pandey	Design and Analysis of Rectenna for RF Energy Harvesting	Ph. D.	HBTU, Kanpur	2022

ongoing 04 in HBTU and 01 in UPTU

2. M.Tech: See Table below

S.No.	Name	Title	Degree	University	Year
1.	Ravi Kant Verma	Performance of Rake receiver in multipath fading	M.Tech	UPTU Lucknow	2005
2.	Shailendra Kumar	Implementation of 3D capacitance determination of multilayer VLSI interconnects using Quasi 3D methodology	M.Tech	UPTU Lucknow	2005
3.	Jitendra Kumar Singh	Design and Analysis of orthogonal code for CDMA	M.Tech	UPTU Lucknow	2005

4.	Amit Kumar	Design and Simulation of OFDM signaling	M.Tech	UPTU Lucknow	2005
5.	Virendra Kumar	Performance Evolution of an IEEE 802.15.4 Sensor Network with a star topology	M.Tech	UPTU Lucknow	2006
6.	Pooja Gupta	Study, Analysis, and Design of QPSK L-Band Modem	M.Tech	UPTU Lucknow	2006
7.	Ranjana Yadav	Sound Processing	M.Tech	UPTU Lucknow	2006
8.	Shivani Badoni	UMTS Turbo Encoder and Decoder for Software-Defined Radio	M.Tech	UPTU Lucknow	2006
9.	Brijendra K Verma	Optimization of Rake Fingers for Downlink Mobile Channel	M.Tech	UPTU Lucknow	2011
10.	Sunil Kumar	Analysis of Advanced Power Management Scheme for Next-Generation Mobile Networks	M.Tech	UPTU Lucknow	2011
11.	Sachin Sharma	Generalized Turbo Decoding Techniques in Fading Environment	M.Tech	UPTU Lucknow	2012
12.	Jitendra Kumar	Performance evaluation of Adaptive Modulation Schemes in fading Channel	M.Tech	UPTU Lucknow	2013
13.	Ravindra K Rawat	Design of One-Dimensional Orthogonal Codes	M.Tech	UPTU Lucknow	2013
14.	Ravindra Pratap Singh	Design and Analysis of Generalized Rake Receiver with Reduced Complexity	M.Tech	UPTU Lucknow	2013
15.	Sawan Kumar	Multiple RFID Tags Collision Recovery in RFID System	M.Tech	UPTU Lucknow	2013
16.	Satyendra K Verma	Performance Analysis of Concatenated coded OFDM system over Rayleigh fading Channel	M.Tech	UPTU Lucknow	2014
17.	Anil Kumar	Performance Analysis of Channel Estimation-based Rake Receiver with IDMA for Water Acoustic Channel	M.Tech	UPTU Lucknow	2014
18.	Prachi Saraswat	Comparative BER Performance Analysis of Parallel Concatenated Gallager Codes Using Regular and Irregular Low-Density Parity Check Codes	M.Tech	UPTU Lucknow	2014
19.	Satya Prakash	Modeling of Radio Channel for Rescue Operation	M.Tech	UPTU Lucknow	2014
20.	Abhijai Mishra	Performance Analysis of Polar Codes under Rayleigh Fading Channel	M.Tech	UPTU Lucknow	2015
21.	Ankit Rai	Optical Bragg Grating	M.Tech	UPTU Lucknow	2016
22.	Jvala Prasad	Channel Allocation in Wireless Sensor Networks	M.Tech	UPTU Lucknow	2016
23.	Parnika Kansal	FBMC-OQAM Based 5G Wireless System Design	M.Tech	UPTU Lucknow	2017
24.	Nihal Kumar	Implementation of IIR Filter using Fredkin Gate	M.Tech	UPTU Lucknow	2017
25.	Mohd. Shuaib Ahmed	ECG Data Transmission in WBAN	M.Tech	UPTU Lucknow	2018
26.	Hariom Singh	Design and Analysis of Dual Band Microstrip Patch Antenna using Metamaterials.	M.Tech	UPTU Lucknow	2018
27.	Iqra Absar	Design and Analysis of CFRP-based Parabolic Reflector Antenna	M.Tech	HBTU, Kanpur	2019
28.	Mohd Arsalan	A Scheme to Reduce Peak to Average Power Ratio in FBMC System	M.Tech	HBTU, Kanpur	2019
29.	Achhyut Srivastava	Modified Sector-based Stable Election Protocol in WSN	M.Tech	HBTU, Kanpur	2019
30.	Pooja Nishad	Performance Analysis of Energy-Efficient Adapted Sector-Based Stable Election Protocol	M.Tech	HBTU, Kanpur	2020

		in Wireless Sensor Networks			
31.	Sadhana Pal	Design and Analysis of Slotted Patch Microstrip Antenna	M.Tech	HBTU, Kanpur	2020
32.	Aishwarya Tomar	Investigation and design of dual fgate dielectrically modulated junction less TFET for biomolecule recognition	M.Tech	HBTU, Kanpur	2021
33.	Prishail Mishra	Design and analysis of dual band T-shaped antenna at millimeter wave for %G applications.	M.Tech	HBTU, Kanpur	2021
34.	Varunika Dixit	Adaptive Power Allocation for Cooperative NOMAS System with Full Duplex and Imperfected SIC	M.Tech	HBTU, Kanpur	2022
35.	Abhishek Chauhan	Design and Development of Fuzzy Inference System for Handoff in Cellular System	M.Tech	HBTU, Kanpur	2022
36.	Prateek Agnihotri	An Efficient Method for generation of True Random Number Generator using a Tree-Based Interleaver	M.Tech	HBTU, Kanpur	2023

G. Seminar/conference/workshop organized/attended:

S.No.	Name of course	Name of organization	Status of participation	Period	
				From	To
1.	Wireless and Mobile Communication	MNNIT, Allahabad	Attended**	30.06.2008	12.07.2008
2.	VLSI for signal processing & communication	MNNIT, Allahabad	Attended	12.01.2009	24.01.2009
3.	Issues and Design of distributed system and its application	MNNIT, Allahabad	Attended	27.02.2009	07.02.2009
4.	Simulation on Circuit Design and Signal Processing	HBTI, Kanpur	Organized	14.10.2013	15.10.2013
5.	Modeling, Simulation and Analysis of Engineering Systems	HBTI, Kanpur	Attended	25.10.2013	30.10.2013
6.	Engineering Education: Opportunities, Challenges and Future Directions	HBTI Kanpur	Attended	07.03.2014	12.03.2014
7.	Digital Communications and Networks	IIT Kanpur	Attended	04.12.2014	06.12.2014
8.	Estimation Theory for Communications And Signal Processing	IIT Kanpur	Attended	21.01.2015	23.01.2015
9.	Virtual Laboratory	IIT Kanpur	Attended	15.03.2015	15.03.2015
10.	State Level Interaction Seminar	HBTI Kanpur	Attended	08.06.2015	09.06.2015
11.	State Level Interaction Seminar	HBTI Kanpur	Organized	08.06.2015	09.06.2015
12.	Management Capacity Enhancement Program	IIM Lucknow, Noida Campus	Attended	16.11.2015	20.11.2015
13.	Management Capacity Enhancement Program	IIM Bangalore	Attended	18.01.2016	22.01.2016
14.	FDP on Achieving Academic Excellence	IIM Raipur	Attended	25.07.2016	30.07.2016
15.	FDP on Advance course on Antennas and Microwaves	HBTU Kanpur	Organized	30.01.2017	04.02.2017

16.	Communication Networks: A Research Perspective	HBTU Kanpur	Organized	27.04.2017	04.03.2017
17.	Workshop on IPR and patenting	HBTU Kanpur	Attended	27.08.2016	29.08.2016
18.	Shannon Centenary Day	IIT Kanpur	Attended	Oct 19, 2016	--
19.	Workshop on EC&EA	HBTU Kanpur	Attended	07.03.2017	09.03.2017
20.	Induction Programme for New Students	HBTU Kanpur	Attended	22.09.2017	24.08.2017
21.	Induction Programme for First year Students	HBTU Kanpur	Organized	15.01.2018	21.01.2018
22.	Outcome based Accreditation	HBTU Kanpur	Attended	22.03.2018	23.03.2018
23.	Summer Training Program on Active Learning for Senior Faculty	IIT , Kanpur	Attended	11.06.2018	15.06.2018
24.	Workshop on NBA Accreditation-criteria, process and execution	NPIU Lucknow	Attended	11.09.2018	12.09.2018
25.	FDP on Methods and Techniques for enhanced teaching and learning in technical Education	HBTU Kanpur	Attended/organized	15.10.2018	20.10.2018
26.	FDP on Start up and entrepreneurship	IED Lucknow	Attended	12.11.2018	16.11.2018
27.	Professional Development Training	IIM Kashipur	Attended	06.05.2018	10.06.2018
28.	STC on Emerging Trends in Communications and Photonic devices	HBTU Kanpur	Organized	16.08.2019	20.08.2019
29.	Control and Machine Learning	HBTU Kanpur	Attended**	16.09.2019	28.09.2018
30	FDP on Antennas design and Microwave applications	HBTU Kanpur	Organized	September 2021	

** also contributed as **resource person** and engaged lecture in same course

Professional Membership

1. Associate Member - Institution of Electronics & Telecommunication Engineers,

Personal Details:

Date of Birth : October 20, 1970
 Father's Name : Late Shri B. L. Sankhwar
 Permanent Address : 202, Anand Sheetal, Bithoor Road
 Near DPS Kalyanpur, Kanpur 208017
 Correspondence Address : as above
 e mail : aksneeraj@gmail.com, akshankhwar@hbtu.ac.in
 Contacts : 09721456076, 09415131461