

CURRICULUM VITAE

Ashok Kumar Shankhwar

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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. Iftexhar, 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>

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. Sooraj Soni, Ashutosh Singh and A. K. Shankhwar, "ITOS: Increased Throughput with Optimised Sink Position Protocol in Wireless Body Area Network," *International Conference on Multimedia, Signal Processing and Communication Technologies*, IMPACT-2017, AMU Aligarh, India, November 24-26, 2017.

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 course 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 3days workshop on "Signal Processing and Filter Design" under TEQIP scheme from May 09 – May 11, 2007.
6. Worked as co-coordinator for 3days training programme on "Assembly and maintenance of emergency light and voltage stabilizer" for community development under TEQIP scheme from July 09 – July 11. 2007.
7. Organized a week FDP on Antennas and Microwaves during Jan 30 – Feb 04, 2017.
8. Member organizing committee for STC/FDP on Communication Networks: A Research Perspective during Feb 28 - Mar 04, 2017.

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), IIIT Allahabad.
2. Seventh IEEE Conference on Wireless Communication and Sensor Networks (WCSN-2011), IIIT 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.

E. Interaction with other Institute/ Universities/Government Organization

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 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. PhD : 03 ongoing in UPTU and 01 in HBTU

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 signalling	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 Advance 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	M.Tech	UPTU Lucknow	2013

		Reduced Complexity			
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 under water Accoustic 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	Modelinhg 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	ongoing
26.	Hariom Singh	Design and Analysis of Dual Band Microstrip patch Antenna using Metamaterials.	M.Tech	UPTU Lucknow	ongoing

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

** 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 : Shri B. L. Sankhwar
Permanent Address : 315, Manohar Nagar, Barra-II,
Kanpur 208027
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