

Faculty Detail for NBA

Name (in Block Letters) ASHUTOSH SINGH
Department Electronics Engineering Department
Current Designation & Grade Pay Associate Professor, Grade Pay: Rs. 9000.00
Date of Joining, Date of Last Promotion 20.08.1999, 20.08.2013
Nationality Indian
Address for correspondence (with Pincode) 10/ M/ 3, Dabouli, Kanpur-208022
Contact Number 7081300517
E-Mail ashuhbti[AT]gmail[DOT]com

Academic Qualifications:

Sl. No.	Examination	Board/University / Institution
1.	High School	U.P. Board, Allahabad
2.	Intermediate	U.P. Board, Allahabad
3.	B. Tech. (Electronics Engineering)	K. N. I. T. Sultanpur, U.P. R. M. L. (Avadh) University, U.P.
4.	M.E. (Telecommunication), ECE Department	Indian Institute of Science, Bangalore
5.	PhD (Electrical Engineering)	Indian Institute of Technology, Kanpur

Record of service in HBTU (formerly HBTI) Kanpur:

Designation	Pay Scale	Date of Joining	Total period		
			Years	Months	Days
Lecturer	Rs. 2200-75-2800-100-4000	20.08.1999 - 19.08.2005	06	0	0
Senior Lecturer	Rs. 10000-15200	20.08.2005 - 31.12.2005	0	04	12
Assistant Professor	Rs. 15600-39100, AGP Rs. 7000.00	01.01.2006 - 19.08.2010	04	07	19
Assistant Professor	Rs. 15600-39100, AGP Rs. 8000.00	20.08.2010 - 19.08.2013	03	0	0
Associate Professor	Rs. 37400-67000, AGP Rs. 9000.00	20.08.2013 - till date	05	05	20

Period of teaching Experience:

Teaching Experience (Under graduation classes)	Teaching Experience (Post graduation classes)
20 Years	12 Years

Research Experience excluding years spent in M.E. / M. Tech. / M. Phil. / Ph.D. (in Years):

12 years (after post-graduation)

Fields of Specialization under the Subject/Discipline:

- (a) Communication Systems
- (b) Communication Networks
- (c) Signal Analysis

Research Paper Publication:

Year	Research Paper	Name of Conference / Journal	DOI
2015-16	Flash Crowd Handling in P2P Live Video Streaming Systems	Institution of Communication Engineers and Information Technologists National Conference on Advances in Mobile Communications, Networking and Computing (ICEIT MCNC) 2015, convened by	

		IIT Delhi, New Delhi, 16-17 April 2015	
2015-16	Algorithms for Faster Overlay Creation under High Growth Rate in Query Network based Overlaid Multicasting	IEEE National Communication Conference (NCC), held at IIT Guwahati, 4-6 March 2016	10.1109/NCC.2016.7561129 Date added to IEEE Xplore: 08.09 2016 978-1-5090-2361-5/16/\$31.00 ©2016 IEEE
2017-18	ITOS: Increased Throughput with Optimized Sink Position Protocol in WBAN	IEEE International Conference on Multimedia Signal processing and Communication technologies (IMPACT 2017) held at AMU Aligarh, Uttar Pradesh, 24-26 November 2017	10.1109/MSPCT.2017.8363985, Date added to IEEE Xplore: 24.05 2018 978-1-5090-6674-2/17/\$31.00 ©2017 IEEE
2018-19	Performance Improvement in Cognitive Radio using Even-Odd technique in QAM based K-spectrum Sensing Scheme	IEEE International Conference: Computational and Characterization Techniques in Engineering and Sciences (CCTES) - 2018, held at Integral University, Lucknow, 14-15 September 2018	IEEE Conference # 44023 Paper to be added in IEEE Xplore
2018-19	A New Incentive Based Algorithm for Avoiding Free Riding in Peer to Peer Network	IEEE International Conference: Computational and Characterization Techniques in Engineering and Sciences (CCTES) - 2018, , held at Integral University, Lucknow, 14-15 September 2018	IEEE Conference # 44023 Paper to be added in IEEE Xplore

(D) Research Guidance

Doctor of Philosophy (PhD) Students:

Academic Session 2018-19

S. N.	Enrolled
1.	Santosh Kumar, "Spatial Modulation", PhD Thesis, 2018 admitted batch, ongoing
2.	Saurabh Chandra, "Mobile Ad-hoc Networks / Sensor Networks", PhD Thesis, 2018 admitted batch, ongoing
3.	Vinay Kumar Gupta, "Distributive Network Storage Codes", PhD Thesis, admitted for Pre PhD Program in 2018 under QIP

Master of Technology (M. Tech.) Students:

Academic Session 2018-19

S.N.	Enrolled
1.	Priya Verma, "LDPC Codes", M. Tech. Thesis, 2017 admitted batch, ongoing
2.	Princy Bajpai, "Complex Networks", M. Tech. Thesis, 2017 admitted batch, ongoing
3.	Shivani Gupta, "Wireless Sensor Networks", M. Tech. Thesis, 2017 admitted batch, ongoing

Academic Session 2017-18

S.N.	Number Enrolled / Thesis Submitted
1.	Rashmi Giri, "A novel distributed algorithm with enhanced sensing throughput in Cognitive Radio Networks", M. Tech. Thesis, 2016 admitted batch, submitted and awarded

Academic Session 2016-17

S.N.	Number Enrolled / Thesis Submitted
1.	Upendra Kumar Sharma, "Energy Efficient Clustering Algorithm for WSN", M. Tech. Thesis, 2015 admitted batch
2.	Sooraj Soni, "Design of Energy Efficient Wireless Body Area Network", M. Tech. Thesis, 2015 admitted batch

Academic Session 2015-16

S. N.	Number Enrolled / Thesis Submitted
1.	Mohammad Ahmad Ansari, "Efficient Routing Protocol for Wireless Body Area Networks", M. Tech. Thesis, 2014 admitted batch
2.	Namrata Singh, "Handling Flash Crowd in Chord based Peer-to-peer Live Streaming Systems", M. Tech. Thesis, 2014

Faculty Development Programmes participated / organized:

S. N.	Course	Organization	Period		Sponsoring Authority
			From	To	
1.	FDP on 'Methods and Techniques for Enhanced Teaching and Learning in Technical Education'	HBTU Kanpur	15.10.2018	20.10.2018	World Bank TEQIP-III [ORGANIZED]
2.	Summer Training Program on 'Active learning'	IIT Kanpur	11.06.2018	15.06.2018	Knowledge Incubation for TEQIP
3.	GIAN Course on 'Network Information Theory'	IIT Kanpur	15.03.2018	24.03.2018	Global Initiative of Academic Networks (GIAN), MHRD, GoI
4.	Training Workshop on 'Academic Process for the Implementation of Outcome Based Education (OBE)	HBTU Kanpur	19.02.2018	23.02.2018	TEQIP-III
5.	GIAN Course on 'Codes for Distributive Storage'	IIT Kanpur	01.07.2017	10.07.2017	Global Initiative of Academic Networks (GIAN), MHRD, GoI
6.	Short Course on 'Control of Cyber Physical Systems'	IIT Kanpur	20.03.2017	24.03.2017 (1 Week)	Department of Higher Education, MHRD
7.	Organized STC on 'Communication Networks: A Research Perspective'	HBTU Kanpur	27.02.2017	04.03.2017 (1 Week)	World Bank TEQIP-II [ORGANIZED]
8.	Coordinated FDP on 'Advance Course on Antennas and Microwaves'	HBTU Kanpur	30.01.2017	04.02.2017 (1 Week)	World Bank TEQIP-II [ORGANIZED]
9.	GIAN Course in 'Advanced Topics in Coding Theory'	IIT Kanpur	13.10.2016	22.10.2016 (2 Weeks)	Global Initiative of Academic Networks (GIAN), MHRD, GoI
10.	Management Capacity Enhancement Program (MCEP)	Indian Institute of Management, Indore, M. P.	16.11.2015	22.11.2015 (1 Week)	TEQIP-II, Management Development Centre, IIM Indore
11.	Management Capacity Enhancement Program (MCEP)	Indian Institute of Management, Kozhikode, Kerala	21.09.2015	26.09.2015 (1 Week)	TEQIP-II, Management Development Centre, IIM Kozhikode
12.	TEQIP School on 'Systems and Control'	IIT Kanpur	04.08.2015	09.08.2015 (1 Week)	Knowledge incubation for TEQIP, IIT Kanpur and MHRD, Govt. of India
13.	Summer Visiting Researcher Program	Electrical Engineering Department, IIT Kanpur	10.05.2015	24.07.2015 (11 Weeks)	Knowledge incubation for TEQIP, IIT Kanpur and MHRD, Govt. of India

(Ashutosh Singh)