


Curriculum Vitae

Full Name	Arun Shekhar Bahuguna	
Designation	Assistant Professor	
Department	Electronics and Communication Engineering	
University	H.N.B. Garhwal University (A Central University), Srinagar Garhwal, Uttarakhand.	
Telephone	-	
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Education Qualification	Ph.D.-Pursuing, M.Tech., B.Tech., B.Sc.	
Teaching Experience	14 Years	
Areas of Interest/ Specialization:		
<ol style="list-style-type: none">1. Analog and Digital Communication2. Flexible Sensors and Materials3. Signal Processing4. Wireless and Mobile Communication5. Optical Fiber Communication		
Membership of Scientific / Social Organization:		
<ol style="list-style-type: none">1. Senior Member of IEEE2. Lifetime member of Vigyan Bharti, Uttarakhand.3. Lifetime member of International Goodwill Society of India.		
Academic and Administrative Experience:		
<ol style="list-style-type: none">1. Assistant Dean Student Welfare from 21 February 2022 onwards.2. Member of departmental BoS (Board of Study) Committee.3. Member of B.Tech. Admission committee.4. Member of the Departmental Purchase Committee.5. Member of student union election committee (2017 - 18, 2018 - 19, 2019 - 20).6. Member of discipline committee (proctor board) in student union election (2013-14, 2014- 15).7. Member of B.Tech. End semester examination committee.8. Member of VVIP Dressing committee in convocation-2018 & 2019.		

9. Member of University B. Ed. entrance examination committee in academic session 2019-20.
10. Member of University Ph.D. entrance examination committee in academic session 2019-20.
11. Member of University Innovation Cell in academic session 2020-21.
12. Member of University “National Institutional Ranking Framework”(NIRF) committee in Academic session 2020-21, 2021-22.
13. Assistant Centre Superintendent for Examination of Professional Courses in Chauras. Campus Centre of HNB Garhwal University for the session 2020-21.
14. Member of Examination committee for Examination of Professional Courses in Chauras Campus centre of HNB Garhwal University for the session 2021-22, 2022-23.

Orientation / Refresher Programme:

1. Participated in the UGC Sponsored 3-week Refresher Course on “Basic Sciences (Interdisciplinary)” held from 05 January, 2017 to 25 January, 2017 organized by the Human Resource Development Centre (HRDC), University of Allahabad, Allahabad.
2. Participated in the UGC Sponsored 104th Orientation Programme from 25 November, 2014 to 22 December, 2014 organized by the UGC Academic Staff College, Panjab University, Chandigarh.

Conference/ Seminar/Workshop Attended:

International:

1. “Power supply variations and analog performance of 5-nm node silicon nanosheet transistor”, Y.P.Pundir, Arvind Bisht, Rajesh Saha, **Arun Shekhar Bahuguna**, Kuldip Kumar, Pankaj Kumar Pal, International Conference on Advances in Computing, Communication and Materials (ICACCM), IEEE, 2022.
2. Chaired a special session on “Smart Antenna with Wireless Communication” in International Virtual Conference On Integrated Intelligence Enable Networks & Computing in Engineering at Institute of Technology, Gopeshwar, India, on 05-07 September 2020.
3. Presented a paper entitled “A Review of various Digital Modulation Schemes used in Wireless Communication in International Virtual Conference On Integrated Intelligence Enable Networks & Computing in Engineering at Institute of Technology, Gopeshwar, India, on 05-07 September

2020.

4. Presented a Poster Entitled “A Survey on various digital modulation schemes used in wireless communication and its application”, in international conference on Material Science And Applications (ICMSAA-19), 25-26 November, 2019, organized by Department of Physics, HNB Garhwal University, Srinagar Garhwal, Uttarakhand.
5. Chaired a special session on “Microelectronics Devices and Circuits” in international Conference on Research in Intelligent & Computing in Engineering at Institute of Technology, Gopeshwar, India on 24-26 March 2017.

National:

1. Participated in one day National Workshop on “Intellectual Property Rights” by Department of Pharmaceutical Chemistry, HNB Garhwal University in collaboration with IQAC, HNB Garhwal University and UCOST, Dehradun, held on 17 November, 2018.
2. Participated in one day National Workshop on “Popularisation of Remote Sensing Based Maps & Geospatial Information”, organised by Indian Society of Remote Sensing and Indian Space Research Organisation, held on 11 August, 2017.
3. Attended National Conference on “Emerging trends in Engineering & Sciences (ETES - 2013), November 9-10, 2013, organized by Faculty of Engineering & Technology, Gurukul Kangri University, Haridwar.
4. Attended National Conference on “Recent advances in material Science(NCRAMS-13), 26-27 October, 2013, organized by Department of Physics, HNB Garhwal University, Srinagar (Garhwal).
5. Presented a paper entitled “BER Simulation of OFDM signal under AWGN & Rayleigh fading environment” in the national Seminar on “Innovations and Applications in Engineering and Applied Sciences” (IAEAS - 2011) held on 9-10 Nov., 2011 at faculty of Engineering & Technology, Gurukul Kangri University, Haridwar, India.

FDP/Short Term Course Attended:

1. Participated and completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on “Recent Research Trends in Optoelectronics and Optical Communication” from 15-11-2021 to 19-11-2021 at GB Pant Institute of Engineering and Technology, Pauri Garhwal.
2. Participated and completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "IOT" from 05-10-2021 to 09-10-2021 at Institute of Technology, Gopeshwar,

Uttarakhand.

3. Participated and completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Antenna: Design, Fabrication and Measurement" from 02-08-2021 to 06-08-2021 at GB Pant Institute of Engineering and Technology, Pauri Garhwal.
4. Participated in two weeks Online Faculty Development Program on "Recent Research Trends in Electronics and Communication Engineering" from 18-08-2020 to 28-08-2020 at GB Pant Institute of Engineering and Technology, Pauri Garhwal.
5. Participated in faculty development program on "Managing Virtual Classrooms and Open Educational Resources" organized by Centre for Academic Leadership and Education Management (CALEM), Panjab University, Chandigarh under the Aegis of PMMMMNMTT, MHRD, Govt. of India in collaboration with SWAYAM Cell, Institute of Educational Technology and Vocational Education & University Business School, Panjab University, Chandigarh, 24-29 June, 2020.
6. Participated in online FDP on Modern IOT Technology tools and design for real time application" organized by Sri Sai Ram Institute of Technology (An Autonomous Institution), Tambaram, Chennai, on 3-9 June, 2020.
7. Participated and completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Artificial Intelligence" from 11-05-2020 to 15-05-2020 at Maulana Azad National Institute of Technology, Bhopal, M.P.
8. Participated in one week short term course on "Emerging Trends in Wireless Communication and Signal Processing" during 7-12 January, 2019 at NIT Kurukshetra.
9. Participated in one week AICTE recognised short term course on "3G Communication" conducted by Electronics & Communication Engineering Department from 03/03/14 to 07/03/14 at NITTR Chandigarh.

Publications:

Journals:

1. Kuldip Kumar, **A.S.Bahuguna**, Y.P.Pundir, Don Biswas, "Design of U-Shaped Slot Quad Band Patch Antenna", Society of Himalayan Action Research and Development, Volume 16, pp 437-445, December-2021.
2. Don Biswas, Kuldip Kumar, Vishal Rohilla, Gambheer Singh Kathait, Prashant Thapliyal, **Arun Shekhar Bahuguna**, Yogendra Pundir, Vinay Prasad Tamta "Microcontroller based data acquisition system using error reduction technique", International Journal of Engineering, Science and Technology, Volume 11, No. 3, ,pp. 40-48, 2019.

3. Don Biswas, **Arun Shekhar Bahuguna**, “To measure physical signal from sensor and control through Data Acquisition System”, International Journal of Advanced Research in Computer Science and Software engineering, Volume VII, Issue-V, PP 377-388, , May 2017.
4. **Arun Shekhar Bahuguna**, Sanjeev Naithani, Sunil Semwal, “BER Simulation of OFDM signal under AWGN & Rayleigh fading channel”, International Journal of Electronics Communication and Computer Engineering, Vol.-7, Issue 1, January 2016.
5. Vinay Negi, Sanjeev Kumar Shah, Sandeep Singh, **Arun Shekhar**, Tanuja Sundriyal, Sufficient Number of Diversity Antennas for 64 QAM over wireless fading channel in International Journal of Engineering Research & Application, Vol.-3, Issue 2, p.p-205-207 (March-April 2013).
6. Vinay Negi, Sanjeev Kumar Shah, Sandeep Singh, **Arun Shekhar**, Tanuja Sundriyal, Equalization of Doppler effect using constellation diagram of 8 PSK modulation in International Journal of Computational Engineering Research, Vol.-3, Issue 2, p.p-203-207 (March 2013).

Book Chapter Published:

1. “A Review of Various Modulation Schemes Used in Wireless Communication”, **Arun Shekhar Bahuguna**, Kuldip Kumar, Yogendra Pratap Pundir, Alaknanda and Vishwanath Bijalwan, Proceedings of Integrated Intelligence Enable Networks and Computing(Springer), 24 Apr 2021, ISBN 978-981-33-6306-9, ISBN 978-981-33-6307-6(eBook)

Book Published:

1. “Experiments in Digital Electronics”, Dr. V. S. Bist, **A. S. Bahuguna**, Dr. Sunil Semwal, Neel Kamal Prakashan, September-2021, ISBN 978-81-952786-5-7.

Participated as a organizing secretary / member of the organizing committee in various activity / program organized by HNB Garhwal University:

1. Participated as a member of the organizing committee for conducting a ‘Guest lecture by Eminent Jurists’ organized by HNB Garhwal University, Srinagar Garhwal, held on 16 December, 2019.
2. Participated as a member of the organizing committee for conducting a National Workshop on “Constitution and Fundamental Duties” organized by HNB Garhwal University, Srinagar Garhwal, Uttarakhand, held on 25 January, 2020.
3. Participated as a member of the organizing committee for conducting a Poster exhibition on ‘Mahatma Gandhi and Indian Freedom Movement’ and Slogan Writing organized by HNB Garhwal

University, Srinagar Garhwal, Uttarakhand, in collaboration with Aziz Premji Foundation held on 27-28 January, 2020

4. Participated as a member of the organizing committee for conducting a “Slogan Writing Competition” organized by HNB Garhwal University, Srinagar Garhwal, Uttarakhand, held on 03 February, 2020.

5. Participated as a member of the organizing committee for conducting a National Webinar on “Dr. Ambedkar: Constitutional Values ,Social Justice and Education” organized by HNB Garhwal University, Srinagar Garhwal, Uttarakhand, held on 14 and 23 April, 2020.

6. Participated as a member of the organizing committee for conducting a Online Poster Competition organized by HNB Garhwal University, Srinagar Garhwal, Uttarakhand, held on 26 May, 2020.

7. Participated as Organizing Secretary of national online lecture on “Provisions on Constitution For Human Welfare” organized by HNB Garhwal University, Srinagar Garhwal, Uttarakhand, held on 30 June, 2020.

8. Participated as Organizing Secretary of national online workshop on “Science and Human Health” organized by HNB Garhwal University, Srinagar Garhwal, Uttarakhand, held on 31 July, 2020.

9. Participated as Organizing Secretary of state level online debate competition on “Should Fundamental Duties be Lawfully Enforceable as with the case with fundamental Rights” organized by HNB Garhwal University, Srinagar Garhwal, Uttarakhand, held on 30 August, 2020.

10. Participated as Organizing Secretary of national online documentary on “Fundamental Duties and Responsibility of Citizens: A Short Journey of HNBGU Museum” organized by HNB Garhwal University, Srinagar Garhwal, Uttarakhand, held on 25 September, 2020.

11. Participated as Organizing Secretary of national online workshop on “Parental Participation as a Fundamental Duty in Child Education” organized by HNB Garhwal University, Srinagar Garhwal, Uttarakhand, held on 29 October, 2020.