


Faculty Profile

Name	Dr. Anil Kumar Vaghmare			
Designation	Assistant Professor			
Pay Scale	Level-10			
Department	ECE			
Qualification	B.Tech. M.Tech, Ph.D (NIT Meghalaya)			
Date of joining 09-05-2018	Institute CCET Degree Wing	Present Post Assistant Professor		
Experience (<i>in years</i>)	Total 24 Years (In Present Institute: 06 Years and 07 Months)	Teaching 24 Years	Industry	
Research Interests	Signal Processing, Speech Processing, Blind Source Separation			
Contact Details:	Email anilvaghmare@ccet.ac.in	Mobile/Phone 6284561607		
Research Publications	International Journals	National Journals	International Conferences	National Conferences
	10	02	03	02
Books/Chapters Published	04			
Research Guidance	Ph. D.	0	Masters	15
Research Projects	Completed	0	Inprogress	0
Consultancy Projects	Completed	0	Inprogress	0
Seminar/Conference/STTPs	Attended	50	Organized	07
Professional Affiliations	<ol style="list-style-type: none"> 1. MISTE-Indian Society for Technical Education - Life member (LM-90288) 2. MIETE-Institution of Electronics and Telecommunication Engineers -Life member (LM-237087) 3. IAENG-International Association of Engineers- Member (190374) 			
Awards/ Fellowships etc.	MHRD Fellowship			
List of Publications	JOURNAL PUBLICATIONS: (2018 Onwards) <ol style="list-style-type: none"> 1. V. Anil Kumar, Ch. V. Rama Rao, and N. Leema, &quot; 			

	<p>Audio source separation by estimating the mixing matrix in underdetermined condition using successive projection and volume minimization” Springer, International Journal of Information Technology, vol. 15, pp. 1831–1844 April, 2023. (SCI) (https://doi.org/10.1007/s41870-023-01226-6)</p> <ol style="list-style-type: none"> 2. . Mohd. Afzal Khan, Nidhi Gupta, Rahit Kathuria, Vanshika, Vivek Sharma, V. Anil Kumar &quot; Electric vehicle integration system for power management on a blockchain-based smart grid platform with AI capabilities&quot; Research Square, March 2023. (https://doi.org/10.21203/rs.3.rs-2646860/v1) 3. V. Anil Kumar, Ch. V. Rama Rao and Anirban Dutta, “Performance analysis of blind source separation using canonical correlation,” Springer, Circuits, Systems, and Signal Processing, vol. 37 , no.2 , pp. 658-673, 2018. (SCI) (https://doi.org/10.1007/s00034-017-0566-x) 4. V. Anil Kumar, Ch. V. Rama Rao, &quot;Unsupervised noise removal technique based on constrained NMF,&quot; IET Signal Processing, vol. 11, no. 7, pp. 788-795, Sept. 2018. (SCI) https://doi.org/10.1049/iet-spr.2016.0414 <p>CONFERENCE PUBLICATIONS:</p> <ol style="list-style-type: none"> 1. V. Anil Kumar, &quot;BSS in Underdetermined applications using modified Sparse Component Analysis,&quot; 2 nd International Conference On Intelligent Vision and Computing (ICIVC 2022), Springer, Organized by NIT-Agartala November 2022, pp. 375-387 (https://link.springer.com/book/9783031311635) 2. V. Anil Kumar, Ch. V. Rama Rao, Anirban Dutta, &quot;Blind speech separation using canonical correlation and performance analysis,&quot; in Communication Systems, Computing and IT Applications (CSCITA), 2018 2nd International Conference on, organized by St. Francis Institute of Technology, Mumbai pp. 37-41. IEEE, 2018. DOI: 10.1109/CSCITA.2017.8066572 <p>BOOK CHAPTER PUBLICATIONS:</p> <ol style="list-style-type: none"> 1. Anil Kumar Vaghmare, “BSS in Underdetermined applications using modified Sparse Component Analysis”, Springer, Volume 17 (ISBN 978-3-031-31163-5) (https://doi.org/10.1007/978-3-031-31164-2_31) Book series Proceedings in Adaptation, Learning and Optimization
Research Project Detail	
Patent Detail	

Consultancy	
Ph.D Scholars Name	
Institute Responsibility	Student Secreyary Council (SSC); Faculty I/C Electrical; EPBX and Lifts, Faculty I/C Nodal officer Biometric Attendance; Assistant Hostel Warden; Faculty I/C Security Servivces ; Faculty I/C Nodal Officer for welfare of Transgenders
Department Responsibility	I/C PU Inspection; I/C Departmental Storage; I/C Lab ; I/C Class; Other departmebtal duties
Any Other Information	1. Appreciation Certificate in recognition of outstanding contribution during the session 2020-2021 in conducting ICT Training for the employees of Chandigarh Administration (UT Government)



Signature of faculty