

Profile

1	Name of the Faculty	Asharani Patil		pht	
2	Date of joining	27/07/2011 -Appa 01/06/2012-Godutai 01/08/2018-SUK			
3	Email id	asharanispatil@gmail.com			
4	Designation	Associate Professor			
5	Department	Electronics and Communication Engg			
6	Education Qualifications	M.Tech.,Ph D			
7	Work Experience	Teaching	Research	Industry	Others
		12.2 years	02 years	-	-
8	Area of Specialization	Digital Communication and Detection			
9	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Basic Electronics Engineering Network Analysis Signals & Systems Digital Communication Optical & Communication Networks LTE4G-Broadband Communication Random & Probability Process Wireless Communication Antenna Theory and Design Etc.			
10	No. of papers published in National/ International Journals/ Conferences				
	Journals	National	International		
		01	03		
	Conferences	National	International		
		01	08		
	Research Guidance				

	Master Degree	Completed 12 students	Ongoing
		11	-
	Ph.D.	-	-

11	Projects Carried out	05(U G) Com plete d 01(N AIN) Ongo ing	
12	Patents	01	Patent title "A Nanotechnology Based System for Boosting the Fertility IONT" Date of Publication: 29 October 2021
13	Technology Transfer	-	

PUBLICATIONS

1. Asharani Patil, G.S.Biradar,, "Up-Link: Coded Cognitive MIMO MC-IDMA System for Frequency-Selective Channel", International Journal of Computer Science and Network Security, August 2019 Vol-19, Issue- Regular, Pages-70-77. (Journal)
2. Asharani Patil, G.S.Biradar, "Design and Analysis IDMA and CDMA In Rayleigh Channel With Equalization Technique Using Tree Based Interleaver", ICECIT 2018 : Third International Conference on Emerging Trends in Electrical, Communication and Information Technologies, Srinivasa Ramanujan Institute of Technology, Ananthapuramu, Andhra Pradesh, India 20th -22nd Dec 2018
3. Asharani Patil, G.S.Biradar, "Comparison of IDMA with other Multiple Access in Wireless Mobile Communication" 2nd International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT) pp776-780, Publisher IEEE Explore. July 2016. - Scopus Indexed
4. Asharani Patil, G.S.Biradar, "Comparative survey analysis on interleaving techniques in IDMA systems", 2017 International Conference on Smart Technologies for Smart Nation (SmartTechCon) Publisher- IEEE Explore August 2017. - Scopus Indexed
5. Asharani Patil, G.S.Biradar, "Performance Analysis of MultiUser IDMA with CDMA and OFDM". International Conference 4th IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics (UPCON)"Vol-17- Publisher IEEE Explore-Scopus Indexed
6. Asharani Patil, G.S.Biradar, "Error-Rate Performance of Coded System for MC-IDMA using Spatial Diversity in Cognitive Spectrum"- International Conference on Computing and Network Communications (CoCoNet'19). - Elsevier Procedia Computer Science Journal, December-2019. (Journal)
7. Asharani Patil, G.S.Biradar,, "Down Link: Error-Rate Performance of Cognitive D-STTD MC-IDMA System"- Fifth International Symposium on Signal Processing and Intelligent Recognition Systems (SIRS'19) - December 2019.
8. Iffat Fatima, A Patil, "Implementation of Interleave Division Multiple Access (IDMA) for Wireless Communication" International Journal of Computer Applications 975, 888, 2016.
9. Asha Vadde, Asharani Patil, "Analysis and comparison of multi-code multi-carrier CDMA with adaptive equalization", Indian Journal of Scientific Research, 37-42, 2016

Books / Chapters (Title of Book/ Chapter, Author & Co-authors, Volume, Year of publication, and Page Numbers)

Chapter Published:

1. Emerging Trends in Electrical, Communications, and Information Technologies "Design and Analysis IDMA and CDMA In Rayleigh Channel With Equalization Technique Using Tree Based Interleaver" Springer Link Singapore, Part of the Lecture Notes in Electrical Engineering LNEE book series, September 2019.
2. Fifth International Symposium on Signal Processing and Intelligent Recognition Systems (SIRS'19), "Down Link: Error-Rate Performance of Cognitive D-STTD MC-IDMA System" Springer in Communications in Computer and Information Science Series (CCIS), May 2020.

Lightning Talk on my Research Work

1. "Different Spatial Coding and Decoding with SUI LTE Models in 4G MC-IDMA", International

