

ARMY INSTITUTE OF TECHNOLOGY
DIGHI HILLS, PUNE - 15

STAFF PROFILE



Name of Teaching Staff	Mrs. Renuka Bhandari		
Designation	Asst. Professor		
Department	E&TC		
Date of Joining the Institution	02 aug. 2009		
Qualifications with Class/ Grade	UG – B.E., 72.6% (RGPV, MP)	PG –M.E (Digital Communication), 76.95 (Dist.) (DAVV, MP)	PhD- Pursuing SPPU, Pune)
Total Experience in Years	Teaching- 9 yrs 8 Months	Industry – 8 Months	Research -Nil
Paper Published	National -0	International -07	
National	NIL		
International	<ol style="list-style-type: none"> 1. Blind Channel Estimation using Novel Independent Component Analysis with Pulse Shaping for Interference Cancellation in Springer's series -Studies in Computational Intelligence https://link.springer.com/chapter/10.1007/978-3-319-61388-8_3 2. Centralized security system based on IoT, Vol. 2, Issue 3, May-June-2016, International Journal (IJRAE). www.knowledgecuddle.com/index.php/IJRAE 3. Wireless Network For Unmanned Ground Vehicle, Vol. 1, Issue 2, Feb-2015 International Journal, IJRAE. www.knowledgecuddle.com 4. MEMS Based Safe Arm and Fire Device (SAM) International Journal of Innovative and Emerging Research in Engineering Volume 2, Issue 4, 2015. www.ijere.com/FinalPaper/FinalPaper20155311252821.pdf 5. Controlling Algorithm for a Remote Head Module Carrier in Nuclear Environment, International Journal of Electrical, Electronics and Data Communication, 		

	<p>volume2 Issue 5, ISSN:2320 -2084 www.ijeedc.iraaj.in/volume.php?volume_id=53</p> <p>6. ZIGBEE and GSM Based Patient Monitoring System. January 2014 Vol. 3, Issue1 IJAREIE www.ijareeie.com/upload/2014/january/18J_ZIGBEE.pdf</p> <p>7. Renuka Jain and Abhay Kumar, Speech Pitch Shifting Using Complex Continuous Wavelet Transform, IEEE Indicon, IEEexplore, June 2006. http://www.ewh.ieee.org/r10/delhi/INDICON2006.pdf</p>	
Paper Published in Conference	National - Nil	International -05
National	Nil	
International	<ol style="list-style-type: none"> Blind Channel Estimation using Novel Independent Component Analysis with Pulse Shaping for Interference Cancellation in 15th International conference SERA 2017, Greenwich University UK. “ A literature Review on BSS Approaches for MIMO - OFDM Communication”, International Conference, ICCUBEA (IEEE sponsored), PCCOE Pune 2015 Controlling Algorithm for a Remote Head Module Carrier in Nuclear Environment, International Conference, ICE2CSM2E, Pune, 2014 Renuka Jain and Abhay Kumar, Speech Pitch Shifting Using Complex Continuous Wavelet Transform, IEEE Indicon, IEEexplore, June 2006. http://www.ewh.ieee.org/r10/delhi/INDICON2006.pdf Renuka Jain and Abhay Kumar, “Audio Pitch Shifting Using Complex Continuous Wavelet Transform”, Communicated to Fifth International Conference on Information, communication & Signal Processing, ICICS-2005 (IEEE Conference), Thailand. http://www.icics.org/2005/aboutUs.asp 	
PhD Guide? Give field & University	Nil	Nil
PhDs/Projects Guided/Evaluated	Nil	
Books Published/ IPRs/Patents		
Books	Nil	
IPRs	Nil	
Patents	Nil	
Professional Memberships	One, ISTE	

Consultancy Activities	Nil
Awards	<ol style="list-style-type: none">1. Received a monthly stipend and Contingency grant from Government of India while pursuing P.G as a GATE qualified student in 20032. Won Best Result Award for BE (E & TC) Television and Video Engg. result in Yr2014-15
Grants Fetched	Research grant of Rs. 1,40000/- from BCUD grant from Pune University (status of Project: Completed)
Interactions with Professional	<ol style="list-style-type: none">1. Many workshop seminar and FDPs attended.2. ISTE