


Name of Teaching Staff	: Dr. Ankita A. Malhotra	
Designation	: Assistant Professor	
Department	: Electronics & Telecommunication Engineering	
Date of Joining the Institution	: 21.11.2023	
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Publons Researcher ID	Web of Science ResearcherID: AAD-2653-2021	
Qualifications with Class / Grade	: <ol style="list-style-type: none"> <li>1. <b>Ph.D from IIT Delhi</b> in RF and Microwave domain on the topic “Reconfigurable Antennas for Microwave Imaging” in Nov 2017.</li> <li>2. M.Tech from College of Technology, G.B. P.U.A.T. Pantnagar, Uttarakhand, Ist class with CGPA 8.458, in July 2011</li> <li>3. B.E. (Electronics &amp; Comm. Engineering) from Kumaun Engineering College, Dwarahat, Kumaun University, Ist class with 77%, in June 2009.</li> </ol>	
Total Experience in Years	: <b>Teaching: 7 years, 6 months</b> <ol style="list-style-type: none"> <li>1. Assistant Professor D.J. Sanghvi College of Engineering from 21.11.2023.</li> <li>2. Assistant Professor, MCT’s Rajiv Gandhi Institute of Technology, Mumbai from August 2016 to Nov 2023.</li> </ol>	
Papers Published in Journal:	: <b>International: 07</b> <ol style="list-style-type: none"> <li>[1] Ankita Malhotra, “Broadband miniaturized C-band stacked antenna design and analysis using TLM” IETE Journal of Research, Oct .2023. DOI: <a href="https://doi.org/10.1080/03772063.2023.2282079">https://doi.org/10.1080/03772063.2023.2282079</a></li> <li>[2] Ankita Malhotra, Ananjan Basu, “Broadband Frequency Reconfigurable Printed Transceiver for Microwave Imaging Systems”, International Journal of Microwave and Wireless Technologies , Volume 15 , Issue 7 , September 2023 , pp. 1130 – 1138. DOI: <a href="https://doi.org/10.1017/S1759078722001155">https://doi.org/10.1017/S1759078722001155</a></li> <li>[3] Ankita, Ananjan Basu, “Analysis and Optimization of broadband stacked microstrip antenna using transmission-line model”, IET, Microwaves, Antennas and Propagation, vol 11, pp:81-91, DOI: 10.1049/iet-map.2016.0112 , Print ISSN 1751-8725, Online ISSN 1751-8733 Jan 2017.</li> <li>[4] Ankita, Ananjan Basu, “Compact and broadband stacked microstrip patch antenna for target scanning applications”. IEEE, Antenna and Wireless propagation Letters, vol 16, pp:381-384, DOI: 10.1109/LAWP.2016.2578723, Print ISSN: 1536-1225, Electronic ISSN: 1548-5757, June 2016.</li> <li>[5] Ankita, R.P. S. Gangwar and Paras, “Multi-band two-layer microstrip</li> </ol>	

	<p>stacked patch antenna with wide ground slot for wireless communications”, International Journal on Advances in Microwave Techniques, vol 1,pp:24-29, ISSN : 2456-4346, DOI:10.32452, June 2016.</p> <p>[6] Amrita Triwedi, Unnati Shah,Viresh Sawant, Varun Nimje and Ankita Malhotra,“Breast Cancer Detection Using Ensemble Techniques” International Journal of Creative Research Thoughts (IJCRT),pp: b159-b166, Vol 10, April 2022.</p> <p>[7] Parthesh Haswar, Aditya Iyer, Prachiti Godhane, Amisha Jadhav and Ankita Malhotra, “Dog Breed Identification and Age Detection using Neural Networks” International Journal of Innovative Research in Technology(IJIRT), Vol 6, Issue 10, March 2022.</p>
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<p>Papers Presented in Conferences</p>	<p><b><u>International: 03</u></b></p> <p>[1] Ankita, Ananjan Basu, “Miniaturised distributed transceivers for far field microwave imaging”, IEEE MTT-S International Microwave and R F Conference, pp:1-4,. DOI: 10.1109/IMaRC.2018.8877124, Electronic ISBN: 978-1-5386-8221-0, Electronic ISSN: 2377-9152, Dec 2018.</p> <p>[2] Ankita, Ananjan Basu, “Broadband reconfigurable stacked microstrip patch antenna at X band”, International symposium on antennas and propagation (ISAP),pp:85-86, DOI: 10.1109/ISANP.2014.7026542, Electronic ISBN: 978-9-8691-4740-8, Dec 2014.</p> <p>[3] Ankita, Ananjan Basu, “Microwave Imaging using distributed sensors”, IEEE MTT-S International Microwave and RF Conference,pp:1-4, DOI: 10.1109/IMaRC.2013.6777747, Print ISSN: 2377-9144,Electronic ISSN: 2377-9152, Electronic ISBN: 978-1-4799-2501-8, Dec 2013.</p>
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<p>Area of Specialization</p>	<p>Antennas Design and Analysis, Microwave Imaging, RF Design</p>
<p>Professional Memberships</p>	<p>: Member IEEE</p>
<p>Awards and scholarships</p>	<ol style="list-style-type: none"> <li>1. Top-up scholarship during PhD from Bharti Airtel</li> <li>2. MHRD scholarship during PhD</li> <li>3. MHRD Scholarship during M.Tech</li> <li>4. Merit scholarship during B.E.</li> <li>5. Award of recognition for class 12th topper in the school.</li> </ol>

Interaction with Professional Institutions	<ol style="list-style-type: none"> <li>1) Guest lecture at AICTE ATAL FDP on “Microwave Imaging” at D.I.A.T. Pune, Oct 2022.</li> <li>2) Guest lecture at SERB sponsored FDP on “Microstrip stacked antenna design and analysis” at D.I.A.T. Pune, July 2023.</li> <li>3) RF consultant at Vahaant Pvt. Ltd. from Aug –Dec 2022.</li> <li>4) RF consultant at SPEZL from Dec 2022-May 2023.</li> <li>5) Reviewer- <ol style="list-style-type: none"> <li>i) IEEE Transactions on Antennas and Propagation</li> <li>ii) IEEE Antenna and Wireless Propagation Letters</li> <li>iii) IET Image Processing</li> <li>iv) International Journal of Microwave and Wireless Technologies</li> </ol> </li> </ol>
Subjects Taught	<p><b><u>UG Level:</u></b></p> <ol style="list-style-type: none"> <li>1. Principles of Communications</li> <li>2. Electromagnetic Wave Propagation</li> <li>3. Principles of Communication</li> <li>5. Antenna and Wave Propagation</li> <li>6. Radio Frequency Circuit Design</li> <li>7. Microwave Engineering</li> <li>8. Electronic Instrumentation and Control Systems</li> </ol>
Projects Guided	<p><b><u>UG Level:</u></b></p> <ol style="list-style-type: none"> <li>1. Smart Speed Control Device</li> <li>2. Smart Wheelchair</li> <li>3. Smart Multifunctional Voice-controlled device</li> <li>4. Automation in healthcare/hotel industry.</li> <li>5. Alcohol Detection and vehicle locking system with GPS Tacking using GSM</li> <li>6. Breast cancer detection using ensemble techniques</li> <li>7. Dog breed identification using tensor flow</li> <li>8. Broadband antenna for 5G</li> <li>9. Learning management system design</li> </ol>
Recommended Students for Higher Education	<ol style="list-style-type: none"> <li>1. Mansi Chauhan- University of California, Irvine, U.S.</li> <li>2. Rahul Pandya – DePaul University, Chicago U.S.</li> <li>3. Anushka Kalla- Technical University of Munich</li> </ol>
Institute/Department Responsibility handled	<ol style="list-style-type: none"> <li>1. R &amp; D coordinator at EXTC department RGIT Mumbai from July 2019- Nov 2023</li> <li>2. PhD coordinator at EXTC department RGIT Mumbai from July 2022-Nov 2023.</li> <li>3. Senior Supervisor end semester examination at EXTC department RGIT Mumbai for May 2023 summer examinations.</li> <li>4. Chairperson at Mumbai University examination for subject “Ultra-wideband communication systems”.</li> <li>5. Microwave lab incharge at EXTC department RGIT Mumbai from July 2021-Nov 2023.</li> </ol>
Pedagogy Development	

