

Name of Teaching Staff : Prof.(Mrs.)Aarti G. Ambekar  
Designation : Assistant Professor  
Department : EXTC  
Date of Joining the Institution : 5/01/2015



Qualifications with Class / Grade : 1. Ph.D :-Pursuing form University of Mumbai  
2. M.E. (Electronics Engg.) from University of Mumbai Class/ Grade: Name 1st Class 68.86% , 2013.  
3. B.E (EXTC Engg.) from University of Pune, 1st Class, 60%, 2007

Total Experience in Years : **Teaching :- 13 Years**  
1. Assistant Professor in EXTC dept. at D.J. Sanghvi College of Engineering from 05.01.2015 till date.  
2. Assistant Professor in EXTC dept. at Y.T.C.E.M. from 1.03.2014 to 30.12.2014  
3. Lecturer in EXTC dept. at Y.T.C.E.M. from 15.07.2008 to 28.02.2014  
4. Lecturer (Adhoc) in ETRX dept. at K.J.S.C.O.E. fro 10.07.2007 to 11.07.2008

**Industry:- 1 Year**

Technician Apprentice at Philips India Limited, Pune from August 1997 to July 1998

Papers Published : **International:  
International Journal**

1. Aarti G. Ambekar, Chhaya Hinge , Samidha Kulkarni “Bilingual OCR for printed English and Devnagri Scripts”in international Journal PARIPEX, Indian Journal of Research,Gujarat in Jan,2013, Vol-2,Issue-1
2. Chhaya Hinge Aarti G. Ambekar, , Samidha Kulkarni “Classification of RBC & WBC in Peripheral blood smear uses KNN” in PARIPEX, Indian Journal of Research, Gujarat in Jan,2013,Vol-2,issue-1
3. Shilpa A. Talele,Aarti G. Ambekar,Deepshikha Hinger," Novel PTS Technique to PAPR Reduction for STBC MIMO-OFDM using

- Four Transmitting Antennas", IJCA Proceedings on International Conference on Computer Technology 2015(1):25-30, September 2015.
4. Sunil Karamchandani , Aarti G. Ambekar ,Yukti Bandi," Novel Multi-focus Image Fusion using Digital Negative ", IJCA Proceedings on International Conference on Computer Technology 2015(7):37-40, September 2015
  5. Priti Hargunani , Sulkashana Borsune Aarti G. Ambekar," Mobile Agents system with Multiple Layers of Security ", IJCA Proceedings on International Conference on Computer Technology 2015(7):17-21, September 2015
  6. Sumit Wagh , Aarti G. Ambekar," Shoulder Surfing Resistant Text – Based Graphical Password Scheme' IJCA Proceedings on International Conference on Computer Technology 2015(3):17-19, September 2015
  7. Shilpa Talele, Aarti G. Ambekar, Deepshikha Hinger 'Improved PAPR Reduction for STBC-MIMO-OFDM by using New Phase Factor with Four Transmitting Antennas' CAE, Vol-1, No. 10, pp 17-21, ICCT 2015
  8. Dhanshree S. Shedge, Aarti G. Ambekar, ' Digital Video Watermarking based on Different Wavelet Transform' ,CAE, Vol-5, No. 10, pp 37-41, September 2016
  9. Anamika Sen, Malabika Sen ,Aarti G. Ambekar,' Improved Electronic Voting Machine with Real Time Data Analysis', CAE, Vol-6, No. 1, pp 47-49, October 2016
  10. Umang Patel, Aarti G. Ambekar, 'Indian Sign Language Recognition Based on Gray Level Co-occurrence Matrix and 7Hu Moment' CAE , Volume 7 – No.4, July 2017, pp- 44-49
  11. Aarti G. Ambekar, A.A. Deshmukh,"Multiple Slots Loaded Rectangular Microstrip Antenna for Dual Polarized Multiband Response," IJMOT, Vol 15, no. 3, pp. 279-288, May 2020.
  12. Aarti G. Ambekar, A.A. Deshmukh," E-Shape Microstrip Antenna for Dual Frequency WLAN Application" PIERS C, Vol 104, pp. 13-24, June 2020.

#### **International Conference:-**

1. Aarti G. Ambekar, Chhaya Hinge , Samidha Kulkarni "Bilingual OCR for handwritten English & Marathi Text" in International Conference on Emerging Trends in Technology & Its Application (ICETTA-2013) on 06th, 07<sup>th</sup> March, 2013 at YTIET, Karjat

2. Chhaya Hinge Aarti G. Ambekar, , Samidha Kulkarni, "Computerized Blood cell count using KNN classifier" in International Conference on Advance in Communication and computing Technology on 10th, 11<sup>h</sup> August, 2013 at PVPPCOE, Sion, Mumbai.
3. Shilpa A. Talele,Aarti G. Ambekar,Deepshikha Hinger," Novel PTS Technique to PAPR Reduction for STBC MIMO-OFDM using Four Transmitting Antennas", IJCA Proceedings on International Conference on Computer Technology 2015(1):25-30, September 2015.
4. Ashish S. Nikam and Aarti G. Ambekar, "Sign Language Recognition using Image Based Hand Gesture Recognition Techniques", IEEE 3<sup>rd</sup> International Conference on Innovations in Information, Embedded and Communication System(ICIECS'16), March 2016
5. Ashish S. Nikam and Aarti G. Ambekar "Bilingual Sign Recognition Using Image Based Hand Gesture Technique for Hearing and Speech Impaired People",IEEE 2<sup>nd</sup>International Conference on Computing, Communication, Control And Automation, August- 2016. Paper ID:779
6. Amit A. Deshmukh , Shefali Pawar , Aarti G. Ambekar , Pritish Kamble , K. P. Ray, "Compact Y-shape antenna for dual polarized wideband response" Proceedings of AEMC 2017, Auarangabad, India,pp-1-2,DOI:10.1109/AEMC.2017.8325714, ISBN: 978-1-5386-2393-0
7. Amit A. Deshmukh , Aarti G. Ambekar , A. P. C. Venkata , Akshay Doshi , K. P. Ray,""Modified U-slot cut rectangular patch antenna for wideband response",Proceedings of AEMC 2017 , Auarangabad, India, pp- 1-2,DOI:10.1109/AEMC.2017.8325715, ISBN: 978-1-5386-2393-0
8. Amit A. Deshmukh, Venkata A.P.C.and Aarti G. Ambekar, ,, "Analysis of Multi-Resonant Rectangular Microstrip Antenna Embedded With Multiple Slots", Proceedings of International Conference on Wireless Communication 2017, Mumbai ,Springer, Singapore,pp 139-149, Print ISBN 978-981-10-8338-9
9. Amit. A. Deshmukh, Anish Mishra, Foram Shah, Pooja Patil, Hetvi Shah and Aarti G. Ambekar"Variations of Slot cut Multi-band Isosceles Microstrip Antennas For Dual Polarized Response ", Proceedings of

International Conference on Wireless Communication 2017, Mumbai, Springer, Singapore. pp. 103-110., Print ISBN 978-981-10-8338-9

10. Amit. A. Deshmukh, Archana Nishad, Gauri Gosavi, Priyanka Narayanan, Siddharth Nayak and Aarti G. Ambekar, "Novel pi-shape Microstrip Antenna Design For Multi-Band Response ", Proceedings of International Conference on Wireless Communication 2017, Mumbai ,Springer, Singapore. pp. 185-193, Print ISBN 978-981-10-8338-9
11. Amit A. Deshmukh , Ameya Kadam, Venkata APC , Aarti G. Ambekar, "Planar Inverted 60° Cone Antenna for UWB and Notch Characteristics Response", Accepted for oral presentation in ICCUBEA 2018, Pune, India, to be published in IEEE Xplore Proceedings with Scopus Indexing
12. Amit A. Deshmukh , Venkata APC , Aarti G. Ambekar ,Ameya Kadam," Wideband MSA with C shaped Parasitic Patches" Accepted for oral presentation in ICCUBEA 2018, Pune, India, to be published in IEEE Xplore Proceedings with Scopus Indexing
13. Amit A. Deshmukh ,Aarti G. Ambekar ,Venkata APC ,Ameya Kadam," 60° Sectoral Microstrip Antenna for Dual Polarized Multiband and Wideband Response" Accepted for oral presentation in ICCUBEA 2018, Pune, India, to be published in IEEE Xplore Proceedings with Scopus Indexing.
14. . Aarti G. Ambekar, Ameya Kadam, Amit A. Deshmukh, K. P. Ray," Investigation Into The Multiband Response of Shorted M-Shaped Patch Antenna," 2019 IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT) , Coimbtore, India, , Feb, 2019, pp – 1-6, DOI: 10.1109/ICECCT.2019.8869159
15. Aarti G. Ambekar, Amit A. Deshmukh, Venkata AP Chavali, K.P.Ray, " Dual Polarized Multiband Stub and Slot Loaded Semicircular Microstrip Antenna," Proceedings of 2nd International Conference on Advances in Science & Technology (ICAST-2019) K. J. Somaiya Institute of Engineering & Information Technology, University of Mumbai, Maharashtra, India, SSRN 3368184, pp. 1-6, 2019.
16. Venkata AP Chavali, Amit A Deshmukh, Aarti G. Ambekar, Kamala Ray," Diagonally Fed Square Microstrip Antenna for Wideband Dualpolarized Response", Proceedings of 2nd

International Conference on Advances in Science & Technology (ICAST-2019) K. J. Somaiya Institute of Engineering & Information Technology, University of Mumbai, Maharashtra, India, SSRN 3368184, pp. 1-6, 2019.

17. Aarti G. Ambekar, Amit A. Deshmukh, K.P.Ray,” Stub Loaded Semi-Annular Ring Microstrip Antenna For Multiband Dual Polarized Response,” Accepted for presentations International Conference on Wireless and Communication, 2019(ICWiCOM 2019), Mumbai,India. To be published in SPRINGER Digital Library.
18. Aarti G. Ambekar, Amit A. Deshmukh, K.P.Ray,” Analysis of Dual Band Response of Slot Loaded Microstrip Antenna Using Defected Ground Structure,” Accepted for presentations International Conference on Wireless and Communication, 2019(ICWiCOM 2019), Mumbai,India. To be published in SPRINGER Digital Library.
19. Aarti G. Ambekar, Amit A. Deshmukh, Venkata AP Chavali, K.P.Ray, “ Modified S-Shape Microstrip Antenna for Dual Polarized Multiband and Wideband Response,” Accepted for presentations in ICACC2019,Kochi India. To be published in IEEE Digital Library.
20. Aarti G. Ambekar, Venkata AP Chavali, Ameya Kadam, Amit A. Deshmukh, K. P. Ray,” Slit Cut Microstrip Antenna for Multiband Response”, Proceedings of ICCCE 2019, Pune, India, to be published in SPRINGER Digital Library.
21. Aarti G. Ambekar, Venkata AP Chavali, Amit A. Deshmukh, K.P. Ray,”Circular Microstrip Antenna Loaded With a Pair of Arc Shape Slot for Dual Polarized Wideband Response,” Proceedings of INDICON,2018, Scopus Indexed, to be published in IEEE Digital Library.
22. Aarti G. Ambekar, Venkata AP Chavali, Chinmay Kudoo, M. Shah,Amit A Deshmukh,K.P.Ray,“Multiband Response Investigation For Stub Loaded Right Angled Isosceles Triangle Microstrip Antenna,“, Proceedings of OWT 2019, India, Scopus Indexed, to be published in SPRINGER Digital Library.

**Awards/Interactions with outside world**

**Phd Guide? Give Field & University:**

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**Phds / Projects Guided: ---            Phds:- -----**

**Projects at Masters Level: - 03**

**Books Published/IPRS/Patents: ---**

**Professional Memberships:**

ISTE Life time Membership

**Consultancy Activities: ----**

**Awards: ----**

Awarded the SAP award of excellence in the AICTE Approved FDP on “Use of ICT in Education for Online and Blended Learning’ organized by IIT Bombay in 2016.

**Grants Fetched: ----**

**Interaction With Professional**

**Institutions: ---**