

Name: Dr. Mrs. Amrita Anil Agashe

Academic Record:

Year	Degree	University	Remarks
2009	Ph.D. (Electronics Engineering)	Shivaji University, Kolhapur	Conferred
2000	M.E. (Electronics Engineering)	Shivaji University, Kolhapur	First Class
1994	B.E. (Electronics Engineering)	Shivaji University, Kolhapur	First Class

Title of Ph. D. Research Work

Mobility Management in Ad hoc Networks: A Special reference to Handoff Mechanism

Professional Details

- **Current Position:** Associate Professor , Electronics Engineering , WCE Sangli
- **Total Work-Experience:** 23 years
- **Grants Received:**
 - AICTE funded RPS project Titled 'Location Management in Sensor Networks with Mobility'. Amount: Rs. 10,35000/-
 - AICTE funded MODROB Titled 'Modernization of Digital Communication' ; Amount: Rs. 700000/-
 - AICTE funded Seminar Grant for ' Pedagogical Aspects in Signal Processing' .; Amount: Rs. 1,00,000/-
- Life Member of I.S.T.E (Membership No. LM 21763)
- Life Member of I.E.T.E. (Membership No. M 182452)

Research Publications

Journal Publications

- Amrita Agashe, Dr. S. K. Bodhe, "Uniform mobility model for mobile ad hoc network", **Advances in Computer Science and Engineering: Reports and Monographs -Vol. 2, Imperial College Press London. 2005**
- Amrita Agashe, Dr. S. K. Bodhe, " Effect of mobility models for infrastructure based wireless Network" **Science World Journal Vol. 3 , No. 2, 2008 edition.**
- Amrita Agashe, Dr. S. K. Bodhe, "Performance evaluation of wireless networks with power saving support" **International journal of Machine Intelligence**, ISSN 0975-2927, Volume 2, Issue 1,2010, pp-11,15

- Vikas Mane, **Amrita Agashe**, “An adaptive notch filter for noise reduction and signal decomposition” **IJCSI International Journal of Computer Science Issues**, Vol. 8, Issue 5, No 1, September 2011; ISSN (Online): 1694-0814
- Indoor Localization In Sensor Network With Estimation Of DoA And RSSI Measurement ‘ , International Journal of Research in Engineering and Technology eISSN: 2319-1163 | pISSN: 2321-7308, 2013
- Ashwini Jagtap, **Amrita Agashe**, ‘Design of Kalman filter for Airborne Applications’ , Int. Journal of Engineering Research and Applications www.ijera.com ISSN : 2248-9622, Vol. 5, Issue 5, (Part -4) May 2015, pp.65-68, 2015
- Amrita Agashe , ‘ Location Management in Wireless Sensor Networks with mobility’ , International Journal on Future Revolution in Computer Science & Communication Engineering Volume: 4 Issue: 5 ISSN: 2454-4248, 2018
- Amrita Agashe , ‘Analytical Model For Performance Evaluation Of Ad Hoc Wireless Networks’ , International Journal of Research in Engineering and Technology eISSN: 2319-1163 | pISSN: 2321-7308, 2018

International and National Conferences

- Amrita Agashe, Anil Agashe ,“Development of Handoff algorithm for a macro/micro cellular mobile communication system”, National conference on Emerging trends in Engineering & Technology at Kapargam College Coimbatore; September 2003.
- Amrita Agashe, Dr. S. K. Bodhe, “Velocity estimation for development of Handoff algorithm for cellular Mobile communication system”, National Conference on Engineering Technology for rural development: Reaching the unreached at Umrer College of Engineering, Nagpur 2003.
- Amrita Agashe, Dr. S. K. Bodhe, “Current Routing Protocols for Ad hoc mobile Networks”, National Conference on Intelligent Systems and Networks at Harayana Engineering College, Jagadhri (Harayana), February 2004.
- Amrita Agashe, Dr. S. K. Bodhe, “ A fast handoff algorithm for mobile ad hoc network ”, International Conference on Signal Processing, Communications and Networking, Madras Institute of Technology, Anna University , Chennai February 2007.
- Amrita Agashe, Dr. S. K. Bodhe, “Effect of Mobility Models on Ad Hoc Wireless Networks”, WCSET 2008 Congress, Vienna, Austria. August 13-15 2008 ; Paper ID code 32000.
- Amrita Agashe, Dr. S. K. Bodhe, “Performance evaluation of mobility models for wireless ad hoc network”, 2008 First International Conference on Emerging Trends in Engineering and Technology, Nagpur- IEEE Computer Society (CSDL) digital libraries.
- Amrita Agashe, Anil Agashe, “Evaluation of DV Hop Localization Algorithm in Wireless Sensor Network”, International Conference on Advances in Mobile Networks, Communication and it’s Applications (MNCApps) 2012, Bangalore
- Sudhir Nikhade, Amrita Agashe, ‘ Wireless SensorNetwork Communication Terminal Based on Embedded Linux and Xbee’ , IEEE International Conference on Circuit, Power and Computing Technologies [ICCPCT], 2014, Nagercoil, India 20-21 March 2014, DOI: 10.1109/ICCPCT.2014.7055026; 2014
- Amit Magdum, Amrita Agashe, ‘Monitoring and controlling the industrial motor parameters remotely using LabVIEW’ , IEEE International Conference On Recent Trends In Electronics Information Communication , Technology, Bangalore, India , 20-21, May 2016,DOI: 10.1109/RTEICT.2016.7807810 ; 2016

Workshops Attended

- MHRD sponsored – IIT, Bombay organized two week Faculty Development Program on ‘ Basic Electronics’ from 28th June to 8th July 2011
- AICTE sponsored two week faculty development program on ‘Advanced Control Systems’ from 5th to 16th December 2011
- TEQIP sponsored one week course on ‘Special Topics in Software Engineering’, from 11th to 15th June 2012
- TEQIP sponsored one week course on ‘Information storage and Management’ from 2nd to 6th January 2012
- AICTE Sponsored two week Faculty Development Program on ‘VLSI System Design’ from 10th to 21st June 2013
- TEQIP sponsored one week course on ‘ Labview’ from 9th to 13th December 2013
- MHRD sponsored – IIT, Bombay organized two week Faculty Development Program on ‘ Signals and Systems’ from 2nd to 12th January 2014
- CE & QIP Program, IIT Bombay sponsored 1 week course on ‘ Mathematics Fundamentals for Engineering Teachers’ from 23rd to 25th Feb & 10th to 11th March 2017
- TEQIP sponsored one week course on ‘ Electromagnetics, Microwave, RF Antenna Design using Ansys HFSS Tool Flow’ from 9th to 14th July 2018
- AICTE- Margdarshan Scheme sponsored 1 week course on ‘ Coursr Management and Technology based Teaching’ from 21st to 25th January 2019
- TEQIP sponsored one week course on ‘WCE Curriculum Revamping Phase I and WCE Curriculum Revamping Phase II’ from 19th to 22nd April & 25th to 29th June 2012
- TEQIP sponsored one week course on ‘WCE Curriculum Revamping Phase III from 9th to 14th January 2015
- TEQIP sponsored workshop on ‘ Medical Imaging: Techniques and Image Processing’ at IIT, Delhi from 25th to 27th March, 2017
- TEQIP sponsored two phase workshop of NBA on ‘Training and identification of Master trainers on Outcome based Accreditation Process and Parameters’ on 3rd Feb & 15th to 17th Feb. 2014
- TEQIP sponsored two days workshop on ‘ Effective Leadership for Excellence’ on 7th & 8th April 2014

Contribution in Conferences/Workshops Organization

- Organized Two days National level workshop ‘Control Techniques for Mechanical and Electronics Systems’ in Feb.2007.
- Worked as Co-ordinator for National level conference ‘Recent trends in Electronics Engineering 2K11’ held on 2nd to 4th Dec. 2011
- Worked as Convener for AICTE sponsored two days workshop on ‘ Pedagogical Aspects in Signal Processing’ held on 15th & 16th December 2017
- Worked as convener for TEQIP sponsored one week FDP on Pedagogical Techniques in Electronics and Electrical Engineering, held on 10th to 14th August 2020

- Worked as convener for TEQIP sponsored one day workshop on 'Outcome based Education: A special emphasis on attainment of higher order POs' held on 25th Sept. 2020
- Organized TEQIP sponsored two days workshop for faculty on 'Engineering Pedagogy in Post Covid -19 Paradigm' held on 19th & 20th Oct. 2020
- Arranged TEQIP sponsored two days workshop for students on 'PCB Design' on 28th & 29th August 2020
- Arranged FINIQ Consulting India Pvt. Ltd. Pune sponsored 'Community Development Engineering Project Contest' for students, held on 2nd, 3rd and 4th April 2021
- Arranged workshop on 'Sensor Networks' from RPS funds for M. Tech. and B. Tech. students. Resource persons from IIT Hyderabad (AICTE RPS scheme sponsored)
- Arranged workshop on 'Sensor Networks training using Pervcom kits' from TEQIP funds for M. Tech. and B. Tech. students. Resource persons from Pervcom Ltd. Kolkata (AICTE RPS scheme sponsored)
- Organized 2 credit Value added course for T Y (All branch) students on 'Employability Training' during 17th May to 9th June 2021 and 6th July to 13th July 2021
- Organized 2 credit Value added course for T Y (Electronics Engg) students on 'Automotive hardware Devices' during 2nd Sept.2021 to 20th Nov.2021