

BIODATA

Name : Dr. A. BHARATHI
Qualification : B.Tech, M.E, Ph.D.
Designation : Associate Professor
Organization : ECE Department, UCE (A), OU.
Phone/ e-mail : +918179937278 (Mobile)



bharathig8@gmail.com

Teaching Experience : 21 years

Areas of Interest : Microwave wave antennas, Electromagnetic Theory, Microwave and RF Circuit Design, Radar Systems

Educational Qualifications

Degree	Year of Passing	University/ Institution	Subject	Div / Class
B. Tech.	2001	JNTUH, Hyderabad	Electronics & Communication Engineering	First Class with Distinction
M. E	2004	Osmania University Hyderabad	Microwave & Radar Engineering	First Class with Distinction
Ph. D	2018	JNTUH, Hyderabad	Reconfigurable Microstrip Antennas for Wireless Communications	

Details of Service

Post	From	To	Institution
Asst. Professor	01-07-2004	15-06-2005	Jyothi Engg. College, Patancheru.
Asst. Professor	16-06-2005	31-05-2006	GRIET, Bachupalli, Hyderabad.
Asst. Professor	1-06-2006	30-06-2008	CVR College of Engineering, Ibrahimpatnam
Sr. Asst. Professor	1-07-2008	30-09-2008	CVR College of Engineering, Ibrahimpatnam
Associate Professor	1-10-2008	06-09-2013	CVR College of Engineering, Ibrahimpatnam
Assistant Professor	6-09-2013	01-10-2021	University College of Engineering, Osmania University, Hyderabad.
Associate Professor	01-10-2021	Till date	University College of Engineering, Osmania University, Hyderabad.

Research Publications:

(a) International Journal Publications

1. Anantha Bharathi, Gosula Ravi Shankar Reddy, Ahmad Farid Sulaimani, "Compact Semi-Elliptical Quad Array Antenna for UWB MIMO Systems", IETE Journal of Research, 26 Jan 2025, 1–15. <https://doi.org/10.1080/03772063.2025.2452336>.
2. M. Srilatha, and A. Bharathi, "Modified Cuckoo Search and Hill Climbing Algorithm based Spectrum Hole Detection in Cognitive Radio Networks" Journal of Electrical Engineering & Technology 18 (6), pp.4425-4440, Nov 2023.
3. A. Bharathi & Ravi Shankar Reddy Gosula, "A Novel Compact Multiband Reconfigurable WLAN MIMO Antenna, IETE Journal of Research, Volume 69, Issue 3, Mar 2023. DOI: 10.1080/03772063.2020.1869598.
4. A. Bharathi & G. Ravi Shankar Reddy, "A Right Hand Circularly Polarized Dual-Band Microstrip Antenna Array", IETE Journal of Research, Volume 69, Issue 3, Mar 2023. DOI:10.1080/03772063.2020.1871426.
5. Anantha Bharathi, Gosula Ravi Shankar Reddy, A novel dual-sense polarization reconfigurable dual-band microstrip antenna, AEU - International Journal of Electronics and Communications, Volume 171, 2023, 154926, ISSN 1434-8411, <https://doi.org/10.1016/j.aeue.2023.154926>.
6. M. Srilatha, and A. Bharathi, "Centralized monitored spectrum management using multi-resource parallel sensing in cognitive radio networks", ACM Transactions on Sensor Networks, Dec 2022. DOI: 10.1145/3572913.
7. M. Srilatha, and A. Bharathi, "Low Access Latency and high throughput for Full Duplex Cognitive Radio Using Mobility Coaching Placement Strategy", Advances in Technology Innovation, March 2022, Vol 7, Issue 2, pp.143-154, doi: 10.46604/aiti.2022.8504.
8. Anantha Bharathi, Ravishankar Reddy Gosula, "Compact Single Feed Dual Band Microstrip Patch Antenna with Adjustable Dual Circular Polarization", IETE Journal of Research, Volume 68, Issue 1, pg.216-224, 2022. DOI: 10.1080/03772063.2019.1598293.
9. Anantha Bharathi, LakshminarayanaMerugu& P. V. D. Somasekhar Rao, "Polarization Reconfigurable Corner Truncated Square Microstrip Array Antenna", IETE Journal of Research, Volume 67, Issue 4, Aug 2021, DOI:10.1080/03772063.2018.1557084.
10. Anantha Bharathi, LakshminarayanaMerugu& P. V. D. Somasekhar Rao, "Reconfigurable Corner Truncated Square Microstrip Patch Antennas for Wireless Communication Applications", IETE Journal of Research, Vol. 66, No.2, pp. 242-255, 2020. DOI: 10.1080/03772063.2018.1478326.
11. A. Bharathi, LakshminarayanaMerugu, P.V.D. Somasekhar Rao, "A quad-polarization and frequency reconfigurable square ring slot loaded microstrip patch antenna for

WLAN applications”, International Journal of Electronics and Communication (AEU), ELSEVIER, Vol.78, August 2017, pp. 15-23.

12. A. Bharathi, LakshminarayanaMerugu, P.V.D. Somasekhar Rao, “Design of Polarization Reconfigurable Microstrip Antenna with Frequency Tuning”, Forum for Electromagnetic Research Methods and Application Technologies (FERMAT) JOURNAL, University of Central Florida, USA. Vol. 20, Mar 2017.
13. A. Bharathi, LakshminarayanaMerugu, P.V.D. Somasekhar Rao, “A Novel Single Feed Frequency and Polarization Reconfigurable Microstrip Patch Antenna”, International Journal of Electronics and Communication (AEU), ELSEVIER, Vol.72, February 2017, pp. 8–16.
14. Mohammed Abdulmahdi Mohammed Ali, A.Bharathi, “Cooperative power allocation and power consumption on subcarrier analysis using MIMO-OFDM channel”,IJESR, May2015, Vol.5, Issue5,pp. 238-242.

(b) International Conference Publications

1. Gangolla Sreeja, Anantha Bharathi, Gosula Ravi Shankar Reddy, “Gap Waveguide Technology Based Slot Array Antenna at 35 GHz” Wireless Antenna and Microwave Symposium (WAMS 2025) scheduled during June 5-8, 2025 at Indian Institute of Information Technology, Design and Manufacturing Kancheepuram, Chennai, India
2. Banavath Hanumanth, Anantha Bharathi, ,Gosula Ravi Shankar Reddy, SrilakshmiAouthu, “Minimizing Radar Cross Section (RCS) in Microstrip Patch Antennas through Meander Line Structures” Wireless Antenna and Microwave Symposium(WAMS 2025) scheduled during June 5-8, 2025 at Indian Institute of Information Technology, Design and Manufacturing Kancheepuram, Chennai, India
3. Shaik ismail ,Anantha Bharathi, Gosula Ravi Shankar Reddy, SrilakshmiAouthu, “A Compact Triple Notch UWB Antenna for WBAN Applications”, Wireless Antenna and Microwave Symposium (WAMS 2025) scheduled during June 5-8, 2025 at Indian Institute of Information Technology, Design and Manufacturing Kancheepuram, Chennai, India.
4. D.Shiva Hemanth, Anantha Bharathi, Gosula Ravi Shankar Reddy, SrilakshmiAouthu, “Design and Analysis of Dual-Loop Patch Antenna with Hybrid for Self Injection Locked Sensor Application” Wireless Antenna and Microwave Symposium (WAMS 2025) scheduled during June 5-8, 2025 at Indian Institute of Information Technology, Design and Manufacturing Kancheepuram, Chennai, India.
5. SrilakshmiAouthu, Anantha Bharathi, Gosula Ravi Shankar Reddy, “Digital Voice Transmission Using Software-Defined Radio” Wireless Antenna and Microwave Symposium (WAMS 2025) scheduled during June 5-8, 2025 at Indian Institute of Information Technology, Design and Manufacturing Kancheepuram, Chennai, India.
6. SrilakshmiAouthu, Anantha Bharathi, Gosula Ravi Shankar Reddy, “Design and Analysis of Metamaterial Absorber for Wireless Sensor applications” Wireless Antenna and Microwave Symposium (WAMS 2025) scheduled during June 5-8, 2025 at Indian Institute of Information Technology, Design and Manufacturing

Kancheepuram, Chennai, India.

7. VarikuppalaAkhila, A.Bharathi, Gosula Ravi Shankar Reddy, “Design and Deployment of a Wideband Circular Patch Array Antenna for Millimeter Wave and 5G Applications”, Wireless Antenna and Microwave Symposium (WAMS 2025) scheduled during June 5-8, 2025 at Indian Institute of Information Technology, Design and Manufacturing Kancheepuram, Chennai, India.
8. VarikuppalaAkhila, A.Bharathi, Gosula Ravi Shankar Reddy, “A Wideband Quasi Hybrid 180° Circulator for Radar and Satellite Applications” Microwave, Antennas, and Propagation Conference (MAPCON 2024) scheduled, during 09th -13th Dec 2024 at Novotel HICC, Hyderabad, India.
9. VarikuppalaAkhila, A.Bharathi, Gosula Ravi Shankar Reddy, “Substrate Integrated Waveguide Based Cavity Backed Antenna For Millimeter Wave Applications” Microwave, Antennas, and Propagation Conference (MAPCON 2024) scheduled, during 09th -13th Dec 2024 at Novotel HICC, Hyderabad, India.
10. G.Krishnaveni, A.Bharathi, Gosula Ravi Shankar Reddy, “Coaxial Cavity Tunable Bandpass Filter for Radar Application” Microwave, Antennas, and Propagation Conference (MAPCON 2024) scheduled, during 09th -13th Dec 2024 at Novotel HICC, Hyderabad, India.
11. Gampala Aravind, A.Bharathi, Gosula Ravi Shankar Reddy, SrilakshmiAouthu “LTCC Antenna for WLAN Applications”, Wireless Antenna and Microwave Symposium (WAMS 2024), Raghu Engineering College, Visakhapatnam, AP, India from 29 Feb - 03 March 2024.
12. SrilakshmiAouthu, A.Bharathi, Gosula Ravi Shankar Reddy, K.Swaraja,, D.M.K Chaitanya, Narra Dhana Lakshmi, "Sustainable Design and Analysis of Quasi Snowflake Fractal Antenna for Multiband Wireless Applications” Wireless Antenna and Microwave Symposium (WAMS 2024), Raghu Engineering College, Visakhapatnam, AP, India from 29 Feb - 03 March 2024.
13. VarikuppalaAkhila, A.Bharathi, Ahmad Farid Sulaimani, Gosula Ravi Shankar Reddy, “LTCC based Microstrip Antenna designed for Millimeter Wave Applications using CPW-Fed Technique” Wireless Antenna and Microwave Symposium (WAMS 2024), Raghu Engineering College, Visakhapatnam, AP, India from 29 Feb - 03 March 2024.
14. A.Bharathi, Gosula Ravi Shankar Reddy, SrilakshmiAouthu, “A Novel Reconfigurable UWB Antenna for Spectral Sensing and Signal Transmission in Cognitive Radio Applications”, Wireless Antenna and Microwave Symposium (WAMS 2024), Raghu Engineering College, Visakhapatnam, AP, India from 29 Feb - 03 March 2024.
15. A.Bharathi, Gosula Ravi Shankar Reddy, “Dual band Slot Antenna for mm Wave Wireless Communication”, 2023 World Conference on Communication & Computing (WCONF) Raipur, India. July 14-16, 2023.
16. A.Bharathi, Gosula Ravi Shankar Reddy, “Frequency Reconfigurable MIMO Antenna for Laptop Applications”, 2023 World Conference on Communication & Computing

(WCONF) Raipur, India. July 14-16, 2023.

17. A.Bharathi, Gosula Ravi Shankar Reddy, "Successive Detection Logarithmic Amplifier for ECCM features of RADAR", 2023 3rd International Conference on Intelligent Technologies (CONIT), Karnataka, India. June 23-25, 2023.
18. A.Bharathi, Gosula Ravi Shankar Reddy, "2D Metamaterials for Blinds and Polarization Conversion Applications", 2023 3rd International Conference on Intelligent Technologies (CONIT),Karnataka, India. June 23-25, 2023.
19. G. Vaishnavi, B. Pavan Kumar, P. Sushmitha, A. Bharathi, "Design and Development of Spiral Antenna", Wireless Antenna and Microwave Symposium (WAMS 2023), at the Pandit Deendayal Energy University in Gandhinagar, Gujarat, India, during 7-10 June 2023.
20. Meer Mukarram Ali, A. Bharathi, "Design of Log Periodic Dielectric Resonator Antenna", Wireless Antenna and Microwave Symposium (WAMS 2023), at the Pandit Deendayal Energy University in Gandhinagar, Gujarat, India, during 7-10 June 2023.
21. Krishnaveni, A.Bharathi, "Gap waveguide Technology Based Transmission Lines at V Band and W Band", Wireless Antenna and Microwave Symposium (WAMS 2023), at the Pandit Deendayal Energy University in Gandhinagar, Gujarat, India, during 7-10 June 2023.
22. Manjunath S A, Ahmad Farid Sulaimani, A. Bharathi, G. Ravi Shankar Reddy, "Design of Cavity-backed Coaxial Ring Slot Antenna for Dual-band Applications", Wireless Antenna and Microwave Symposium (WAMS 2023), at the Pandit Deendayal Energy University in Gandhinagar, Gujarat, India, during 7-10 June 2023.
23. Ahmad Farid Sulaimani, A.Bharathi, G. Ravi Shankar Reddy, "A Compact Planar Semi-Elliptical Antenna for UWB Applications", Wireless Antenna and Microwave Symposium (WAMS 2023), at the Pandit Deendayal Energy University in Gandhinagar, Gujarat, India, during 7-10 June 2023.
24. Ahmad Farid Sulaimani, A. Bharathi, G. Ravi Shankar Reddy, "Ultra-Wide Band Semi-elliptical antenna for MIMO Applications", Wireless Antenna and Microwave Symposium (WAMS 2023), at the Pandit Deendayal Energy University in Gandhinagar, Gujarat, India, during 7-10 June 2023.
25. A.Bharathi, Gosula Ravi Shankar Reddy, "Microstrip Patch Antenna For Full Duplex Communication", Wireless Antenna and Microwave Symposium (WAMS 2023), at the Pandit Deendayal Energy University in Gandhinagar, Gujarat, India, during 7-10 June 2023.
26. A.Bharathi, Gosula Ravi Shankar Reddy, "Magic Tee Using Gap Waveguide Technology", Wireless Antenna and Microwave Symposium (WAMS 2023), at the Pandit Deendayal Energy University in Gandhinagar, Gujarat, India, during 7-10 June 2023.
27. HarshithaModugumudi, M. Shyam Sunder, Bharathi Anantha, M Swetha, D R Jahagirdar, "Design of Monopulse Comparator Network Using Gap Waveguide

Technology at W-Band”, Microwave, Antennas, and Propagation Conference (MAPCON 2022) scheduled, during Dec 12-15, 2022 at Leela Bhartiya City, Bangalore, India.

28. AkhilaKalla, M. Shyam Sunder, Bharathi Anantha, M Swetha, D R Jahagirdar, “Design of a Monopulse Antenna using SIW Technology and Slot Arrays”, Microwave, Antennas, and Propagation Conference (MAPCON 2022) scheduled, during Dec 12-15, 2022 at Leela Bhartiya City, Bangalore, India.
29. Nellikanti Vamshi Krishna, Bharathi Anantha, Samba Siva Rao K, D R Jahagirdar, “Metamaterial - Based Mushroom Array Antenna With complementary split ring resonator”, Microwave, Antennas, and Propagation Conference (MAPCON 2022) scheduled, during Dec 12-15, 2022 at Leela Bhartiya City, Bangalore, India.
30. M. Nagarani and A. Bharathi, “High Gain Top Loaded Helical Antenna” INDICON 2022 IEEE 19th India Council International Conference, scheduled, during Nov 24-26, 2022 at Cochin, Kerala, India.
31. D Manasa and A. Bharathi, Samba Siva Rao K, “Metamaterial based anisotropic metasurface for broadband cross polarization conversion”, INDICON 2022 IEEE 19th India Council International Conference, scheduled, during Nov 24-26, 2022 at Cochin, Kerala, India.
32. Nidhi Madhuri, A.Bharathi, “X Band Miniaturized 90° Hybrid Coupler”, Wireless Antenna and Microwave Symposium (WAMS 2022), organized by NIT Rourkela, Odisha, India during 5-8 June 2022.
33. RashmithaKarre, A. Bharathi, “Coaxial line Fed Dual Band Circular Polarization Rectangular Patch Antenna Using Dual Coupled Lines”, Wireless Antenna and Microwave Symposium (WAMS 2022), organized by NIT Rourkela, Odisha, India during 5-8 June 2022.
34. A. Bharathi, LakshminarayanaMerugu, “A Wideband Circularly Polarized Endfire Microstrip Antenna”, IEEE International Conference INDICON 2021, 19-21 Dec 2021, IIT Guwahati, India.
35. Leibenitz, A.Bharathi “Design of a Metal-Only Reflectarray for Ku-band DTH Applications” Indian Conference On Antennas & Propagation (InCAP 2019), an IEEE International Conference, 16-19 December 2019, Bangalore, India.
36. KomurajuManojkumar and Anantha Bharathi, “Single Feed Right Hand Circularly Polarized Microstrip Antenna WithEndfire Radiation Positions”, ICIECE 2019, 2-3 August 2019, Hyderabad.
37. A. Bharathi, LakshminarayanaMerugu, “Dual-band Rectangular Dielectric Resonator Antenna”, IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting in Atlanta, Georgia, 7-12 July 2019.
38. BaluRamavatu, Bharathi Anantha” Design of Waveform for Airborne Radar in Sea Clutter Environment”, International Conference on Emerging Trends in Engineering (ICETE 2019), 22-23 March 2019.

39. Abhinaya Kumari Esnagari, Bharathi Anantha, "A Compact Microstrip-Line Fed Meandered Inverted-F MIMO Antenna", Indian Conference On Antennas & Propagation (InCAP 2018), an IEEE International Conference, 16-19 December 2018, Hyderabad, India.
40. A. Bharathi, LakshminarayanaMerugu, P.V.D. Somasekhar Rao, "Air Suspended U-slot Polarization Reconfigurable Microstrip Antenna for Wireless Communication," International Conference on Antenna Innovations and Modern Technologies (iAIM-2017), during 24-26 November 2017, Bangalore, India.
41. A. Bharathi, V.M PandhariPande, "Design And Development of Antenna with U-Shaped Tuning Stub for UWB Applications" International Conference INDICON 2016, 16-18 Dec 2016, IISC Bangaluru, Bangaluru, India.
42. A. Bharathi, LakshminarayanaMerugu, P.V.D. Somasekhar Rao, "A Polarization Reconfigurable Array Antenna for Wireless Communication," IEEE Asia Pacific Microwave Conference (APMC 2016), 5 – 9 Dec, 2016, New Delhi, India, Delhi.
43. A. Bharathi, M. Lakshminarayana, P.V.D. Somasekhar Rao, "Polarization Reconfigurable Square Slot Ring Antenna with CPW-to-Slotline Transition", IEEE TENCON 2016, Technologies for Smart Nation 22 - 25 Nov 2016, Marina Bay Sands, Singapore, pp. 1064-1067.
44. A. Bharathi, LakshminarayanaMerugu, P.V.D. Somasekhar Rao, "Design of Polarization Reconfigurable Microstrip Antenna with Frequency Tuning" International workshop on Antenna Technology (iWAT-2016), 29th Feb - 2nd March 2016, Florida, U.S.A., pp. 150-154.
45. A .Bharathi, LakshminarayanaMerugu, P.V.D. Somasekhar Rao, "Quad Polarization Reconfigurable Antenna with Cpw-To-Slot Line Transition", proceedings of 10th International Radar Symposium India 2015 (IRSI-15), 15-19 Dec 2015 at NIMHANS Convention Centre, Bangalore.
46. A. Bharathi, M. Lakshminarayana, P.V.D. Somasekhar Rao, "A Polarization Reconfigurable Microstrip Antenna" proceedings of Pearl Jubilee International Conference on Navigation and Communication (NAVCOM-2012), December 20-21, 2012, Hyderabad, pp. 205-208.
47. A. Bharathi, LakshminarayanaMerugu, P.V.D. Somasekhar Rao, "Polarization Agile Microstrip Antenna for Wireless Communication", IEEE Conference INDICON 2012, December 7-9, 2012, Cochin, Kerala, pp. 715-718.

(c) Book series

1. Part of the Lecture Notes in Networks and Systems book series (LNNS, volume 107) Komuraju Manojkumar and Anantha Bharathi, "Single-Feed Right-Hand Circularly Polarized Microstrip Antenna with Endfire Radiation" in Springer Nature Singapore Pte Ltd. 2020 H. S. Saini et al. (eds.), Innovations in Electronics and Communication Engineering, 10.1007/978-981-15-3172-9_5.
2. Chapter 5 of Book titled "Advances in Decisions Sciences, Image Processing, Security and Computer Vision", ICETE 2019, Volume 2, book series of Springer. Balu

Ramavathu, A.Bharathi, "Design of Waveform for Airborne Radar in Sea Clutter Environment", ICETE 2019, LAIS(Learning and Analytics in Intelligent Systems)4, pp.226-234, 2020. DOI: 10.1007/978-3-030-24318-0.

(d) National Conference Publications

1. Sree Sowmya Reddy, A. Bharathi , "Analysis and Design of Single and Dual feed Microstrip Polarization Reconfigurable Patch Antenna", Proceedings of National Conference on Circuits, Signals and Systems(NCCSS-2015), Muffakham Jah College of Engineering and Technology, Hyderabad, 22-24 January 2015, pp 117-121.
2. A. Bharathi, V. Manjulatha "Polarization Reconfigurable Antenna with Corrugated Ground Plane", Proceedings of National Conference on Circuits, Signals and Systems(NCCSS-2015), Muffakham Jah College of Engineering and Technology, Hyderabad, 22-24 January 2015, pp 117-121.
3. Sree Sowmya Reddy, A. Bharathi, "Design of Polarization reconfigurable antenna for WLAN applications", Proceedings Of National Conference On RF Wireless Communication And Signal Processing NCRPWCSP-2014 conducted on 17-18 Nov 2014, pp 39-45 at BapatlaEngg. College.
4. A. Bharathi, "Smart Antennas for 3-G, 4-G Wireless Communication Systems" National Conference on Signal Processing and Communication SPCOM-10, Malla Reddy College of Engineering and Technology, Hyderabad, 23-24 Dec 2010.

(e) National Journal Publications

1. A. Bharathi, P.Kavitha, "Dual Band Monopole Antenna for Wireless Communication", CVR Journal of Science and Technology, Vol 3, Dec 2012, pp. 26-28, ISSN 2277-3916.
2. A. Bharathi, P.Kavitha, "Polarization Reconfigurable Microstrip Antennas for Wireless Communication", CVR Journal of Science and Technology, Vol 2, June 2012, pp. 27-29, ISSN 2277-3916
3. A. Bharathi, "Smart Antennas for Wireless Communication Systems", CVR Journal, Issue 1, July 2011.

Awards

1. Received WAMS 2023 Professional Excellence Award for Women in Engineering: Professional women engineers that excelled in their careers and are known as role models to students and young professionals are considered for this award.
2. Best Poster Award in Wireless Antenna and Microwave Symposium (WAMS 2022), during 5-8 June 2022, organized by NIT Rourkela, Odisha, India.
3. Best Paper Award in International Conference INDICON 2021, 19-21 Dec 2021, IIT Guwahati, Guwahati, India.

Research Projects

1. Title: Design and Development of 512 element slot array antenna at 35GHz using gap waveguide technology.

Duration : 2 Years (Ongoing) 2nd Dec 2024, Rs 49,45,464/-
Funding Agency :LRDE, DRDO.

2. Title : Ultra wide band Antenna for Cognitive Radio Applications.
Duration : 1.5 Years (Completed)
Funding Agency: TEQIP – II, Seed Money Project.

Reviewer

Served as research paper reviewer for

1. IEEE Microwave Theory Techniques Journal, IETE Journal of Research, Taylor and Francis.
2. IEEE Indian Conference on Antenna and Propagation (InCAP 2018), IEEE Indian Conference on Antenna and Propagation (InCAP 2019), IEEE Indian Conference on Antenna and Propagation (InCAP 2020)
3. IEEE Microwaves, Antennas and Propagation Conference (MAPCON) 2022 and 2025, IEEE Wireless, Antenna and Microwave Symposium (WAMS 2023), IEEE Wireless, Antenna and Microwave Symposium (WAMS 2024).

Administrative Experience

- Coordinator for Banking, Finance Services and Insurance(BFSI) Minor Program, University College of Engineering(A), Osmania University.
- Chairperson BOS(A), ECE Department, University College of Engineering (A), Osmania University.
- Additional Training and Placement Officer, University College of Engineering (A), Osmania University.
- News Letter Editorial Board Committee Member, University College of Engineering, Osmania University.
- Joint Director (U.G.) Evaluation, Exam Cell, University College of Engineering (A), Osmania University.
- Antenna and Microwave Lab Incharge, University College of Engineering (A), Osmania University.
- Faculty Advisor for M.E programs (Regular)-Microwave and Radar Engineering
- Faculty Advisor for M.E programs (PTPG) - Microwave and Radar Engineering
- NBA Coordinator for ECE Department, UCE(A), OU for Under Graduate Program
- NBA Coordinator for ECE Department, UCE(A), OU for Post Graduate Program - Microwave and Radar Engineering
- Member of Board of studies, Department of ECE, UCE(A), OU(Autonomous).

- Member of Board of studies, Department of ECE, UCE(A), OU (Global).
- In - charge of Microwave Systems Lab
- Institute Nodal Officer (INO) processing AICTE Scholarship schemes UCE(A), OU.
- Confidential works: Scrutinizing Question Papers: University College of Engineering
- Confidential works : Scrutinizing Question Papers: Osmania University
- Mentor for BE III year students
- Departmental Committee member
- Convener UG Program Assessment Committee
- Additional Chief Superintendent, PG Examinations, ECE Dept., University College of Engineering, Osmania University.

Organizing Committee Member in National and IEEE Conferences

1. OU Centenary International Conference of ECE (OU100ECE 2017)
2. IEEE International Conference On Innovative Technologies In Engineering (ICITE2018)
3. International Conference on Emerging Trends in Engineering (ICETE2019)
4. Workshop & Tutorial Committee in IEEE Indian Conference on Antenna and Propagation (InCAP 2021) organized at Malaviya National Institute of Technology, Jaipur from 13-16 December 2021.
5. Technical Sessions Incharge in Indian Conference on Antenna and Propagation (InCAP 2018), an IEEE International Conference, held from 16-19 December 2018, at the Hyderabad International Convention Center (HICC), Hyderabad, India.
6. Women in Engineering Committee Member in Wireless Antenna and Microwave Symposium (WAMS 2022) organized by NIT Rourkela, Odisha, India during 5-8 June 2022.
7. Technical programme committee member in 2nd International Symposium on Recent Challenges In Engineering (ISRCE 2023) on Perspectives and Challenges on Engineering On The Moon organized by University College of Engineering, Osmania University from 30–31 December 2023.
8. Publicity Committee Member in Wireless Antenna and Microwave Symposium (WAMS 2024) to be held at Raghu Engineering College, Visakhapatnam, AP, India from 29 Feb - 03 March 2024.
9. Women in Engineering Committee Member in IEEE Microwaves, Antennas, and Propagation Conference (MAPCON) 2024, held from 09-13 December 2024, at the Hyderabad International Convention Center (HICC), Hyderabad, India.

10. Young Professionals/Student Activity/Tutorials Committee Member in Wireless Antenna and Microwave Symposium (WAMS 2025) to be held at Indian Institute of Information Technology, Design and Manufacturing(IITDM) Kancheepuram, Chennai.
11. Serving as Co-Chair, Technical Program Committee of IEEE Conference WAMS 2026.

Programmes Organized / Conducted

1. As Department committee member organized Prof. KK Nair Commemoration Lecture.
2. As Secretary of IEEE MTT/AP/EMC Society Joint chapter organized the following seminars.
 - Technical Lecture on “Novel RF MEMS Switches & Phase Shifters Novel RF MEMS Switches and Phase Shifters for 5G and IOT Applications” By Prof. S. K. Koul on 8th Dec 2018.
 - A technical lecture on "High-Frequency Circuits & Systems Analysis, Design, Synthesis" by Dr. V.M. Pandharipande, Adjunct Prof., ECE Dept, O.U.on 27 September 2018 at Auditorium, ECE Dept., UCE, OU, Hyderabad.
 - A technical talk on "Electromagnetic Interference & Compatibility", by Shri Sandeep M. Satav, Head EMI-EMC Division, RCI on 18.08.2018 at Auditorium, ECE Dept., UCE, OU, Hyderabad.
 - 7th Sir JC Bose Memorial lecture on "Advances in mm-Wave Technologies" by Dr. S. K. Koul, Deputy Director(Strategic & Planning), IIT Delhi on 23rd Dec 2017 at 4:30 PM at Auditorium, ECE Department, UCE, OU.
 - Technical Lecture on " Compact Antenna Test Range System" by Mr. Rakesh Kumar Singh, Research Centre Imarat, Hyderabad on 18th Nov 2017 at 6:00 PM at Auditorium, ECE Department, UCE, OU.
3. Organized two week induction programme for BE I year students at University College of Engineering, Osmania University during 2nd to 12th November 2022.
4. Organized two-week induction programme for BE I year students at University College of Engineering, Osmania University during 30th Aug to 8th September 2023.
5. Organized a 3-day workshop on Advanced Antennas for Space, Vehicular and Ground Applications AASVEGA 2024, from 7th to 9th March 2024 at Department of Electronics and Communication Engineering, University College of Engineering (A), Osmania University.
6. Organized a 1-day workshop on “IEEE SBC Awareness and Technical Challenges Workshop” at Prof.K.K. Nair ECE Auditorium, Dept.of ECE, UCE, OU on 20 April 2024.

7. Organized Distinguished microwave lecture on “100-300 GHz Wireless transistors, ICs, and systems” on 22 June 2024, at Prof.K.K. Nair ECE Auditorium, Department of ECE, UCE, OU.
8. Organized a 3 Day workshop on “RF design and simulation” at Department of Electronics and Communication Engineering, University College of Engineering (A), Osmania University on 5-7th December 2024.
9. Organized a Technical session on “Gap waveguide for MMA applications in passive device and antenna” at Prof.K.K. Nair ECE Auditorium, Dept. of ECE, UCE, OU on 11th December 2024.
10. Organized “Memberships drive and plantation event” at Department of Electronics and Communication Engineering, University College of Engineering (A), Osmania University on 25th January 2025.
11. Organized Three Days workshop on “SCRCAAE (solving radar challenges through advanced antenna engineering)” at Prof.K.K. Nair ECE Auditorium, Dept.of ECE, UCE, OU on 9-11th June 2025.
12. Organized an IEEE Day Hybrid Mode Technical Lecture Series on 15 September 2025 at e-Conference Hall, Department of Electronics and Communication Engineering, University College of Engineering (A), Osmania University.

Guest Lectures Delivered

1. Delivered guest lecture on “Microstrip Antennas” in ELECTRONICA 2012 a two day technical seminar conducted by Jagruthi Institute of Engineering and Technology JIET, Ibrahimpatnam.
2. Delivered guest lecture on “Time Varying Electromagnetic fields”, in 5-Day Faculty Development Programme(FDP) Organized by Department of ECE, CVR College of Engineering from 21/11/2016 to 25/11/2016.
3. Delivered guest lecture on “Electromagnetic wave propagation” in Faculty Development Programme (FDP), Department of Physics, GokarajuRangaraju Institute of Engineering and Technology on 5.07.2018.
4. Delivered guest lecture on “Microwave Engineering” at CMR College of Engineering, Hyderabad on 1.11.2018.
5. Delivered Training program on Antenna Theory from April to June 2019 in a Professional Course conducted by KCTI , Bharat Forge Ltd., under TASK program.(2 MONTHS TRAINING)
6. Delivered Technical Lecture on "Reconfigurable Antennas: Theory, Challenges and Physical Implementation" organized by IEEE MTT,AP, EMC Joint society, IEEE Hyderabad Section on 26 Oct, 2019 at Auditorium, ECE Department, UEC, Osmania University, Hyderabad.
7. Delivered guest lecture on “Role of Antennas in advanced communications” in one

week short term training program from 16/12/2019 to 21/12/2019 conducted by CMR technical campus, Medchal, Telangana.

8. Delivered a talk on “Etiquettes for Professionals” at online Faculty Induction Program organized by UGC-HRDC(Academic Staff College), Osmania University from 02-12-2022 to 31-12-2022.
9. Delivered a talk on “Beyond Fixed: The Dynamic Role of Reconfigurable Antennas in IoT” in one week ATAL FDP on "Advancements in IoT driven Antennas for Satellite Navigation systems" from 18th to 23rd Dec 2024 organized by G. Narayanamma Institute of Technology and Science, Hyderabad.
10. Delivered a talk on “Etiquettes for Professionals” at UGC-Sponsored Online Faculty Induction Programme organized by UGC-Malaviya Mission Teacher Training Centre Osmania University, Hyderabad from 19.02.2025 to 21.03.2025
11. Delivered a talk on “Etiquettes for Professionals” at Online “Short Term Course on Soft Skills” Programme organized by the UGC-Malaviya Teacher Training Centre (Formerly known as Human Resource Development Centre), Osmania University, Hyderabad from 13.03.2025 to 20.03.2025.
12. Delivered a Guest Lecture on “Antenna Arrays- Analysis and Synthesis” on 10th July 2025 and 11th July 2025 in WAMS Internship Program organized during 30-06-2025 to 25-07-2025 in Online mode.
13. Delivered a talk on “Unfolding the Power of Many: Analysis and Synthesis of Antenna Arrays” at BVRIT on 30.08.2025 on account of Inaguration of IEEE APS Student Branch Chapter at BVRIT.

Professional Activities

1. Senior Member IEEE (Member No. 90538233), Life Member of IETE (Member No: M 236861), Life Senior Member WAMS Society (Member No. 3001). Served as a Volunteer, Member, Treasurer, Secretary in MTT/AP/EMC Joint Chapter, IEEE Hyderabad Section from 2014 to 2019 and organized several technical lectures.
2. Acted as judge in Srujana Tech Fest State Level Competition conducted by Technical Education Department, Government of Telangana.
3. Participated as a review committee member for the Preliminary Design Review meeting on 15/12/2022 at DRFS, RCI, DRDO, Hyderabad.
4. Served as a Judge for Essay and Elocution competition on ‘India’s Presidency for G20’ at UCE, OU on 24 DEC 2022 conducted for all State University Students.
5. External expert member for JRF Selection Committee Proceedings held during 23rd - 25th Jan 2023 at DLRL Hyderabad.
6. Facilitated Industry-Academia collaboration through MoUs with AMPL and Inspace Technologies Pvt Ltd., fostering student opportunities and infrastructure growth. AMPL contributed to establishing a state-of-the-art microwave lab and conference hall, while Inspace Technologies Pvt Ltd., enabled internships and job offers for our students.

7. Faculty Advisor, IEEE APS Student Branch Chapter of UCE (A), OU.
8. Executive Committee Member in Wireless Antenna and Microwave Symposium (WAMS) Society from Jan 2025.
9. Vice President of WAMS Society from July 2025.

Google Scholar ID:

<https://scholar.google.co.in/citations?hl=en&user=bUegxMsAAAAJ>

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Date : 16-09-2025

(Dr. A. Bharathi)