

Faculty Profile

Brief Profile (Few Paragraphs)

Faculty Photo

Personal Information

- **Name:** Dr.Prakash Biswagar
- **Designation:** Professor
- **Department:** Department: Electronics & Communication Engineering
- **Email:** prakashbiswagar@rvce.edu.in
- **Phone:** 9740 652 188

Google Scholar:

	Prakash Biswagar		All	Since 2017	
	Unknown affiliation		Citations	13	10
	Communication Systems		h-index	2	2
			i10-index	0	0
TITLE			CITED BY	YEAR	
Spherical modal analysis of shaped dielectric lens antennas for mobile broadband applications (MBS) S Ravishankar, P Biswagar 2005 IEEE Antennas and Propagation Society International Symposium 2, 454-457			5	2005	
Viterbi algorithm based Bluetooth low energy receiver for IoT KT Nimisha, P Biswagar 2017 2nd IEEE International Conference on Recent Trends in Electronics ...			3	2017	
A statistical channel model for fixed WiMax in urban residential areas U Naik, S Hudli, P Biswagar 2017 2nd IEEE International Conference on Recent Trends in Electronics ...			2	2017	
Analysis of a Patch Array Dielectric Lens Antenna for Mobile Applications S Ravishankar, P Biswagar, TK Ganapathy Smart SysTech 2013; European Conference on Smart Objects, Systems and ...			2	2013	
Analysis of Dielectric Lens-Adaptive Array Antennas for Shaped Beam Applications S Ravishankar, P Biswagar 2006 IEEE Garroff Symposium, 1-4			1	2006	
Structured Compression-sensing Method for MIMO-OFDM in ITU_VB and DVB_T2 channels PN Jayanthi, SK Patel, P Biswagar 2022 International Conference on Intelligent Controller and Computing for ...				2022	
A Cost Effective Smart Antenna for Mobile Broadband Systems S Ravishankar, P Biswagar International Journal of Computer Applications 64 (10)				2013	
Spherical Modal Analysis of a Lens based Antenna for Mobile Broadband Systems P Biswagar, S Ravishankar The International Congress for global Science and Technology 1 (8), 19				2010	
Spherical Modal Analysis of Shaped Dielectric Lens Antennas for Mobile Broadband Applications (MBS) R Sankaranarayanan, P Biswagar IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM 2 (1), 454-457				2005	

A Secure File Transfer over Virtual Machine Instances using Hybrid Encryption Technique

U Dhanush, PS Hulikatti, RH Malager, S Shreesha, P Biswagar

Removal of Salt & Pepper Impulse Noise from Digital Images Using Modified Linear Prediction Based Switching Median Filter

VS Lonimath, P Biswagar, C Aivalli

Analysis of a Lens Based Antenna Using Spherical Modes

DSR Prakash Biswagar, S Shashidhar

Domain of Expertise: Communication Systems

Research Focus

- **Primary Area:** Smart Antennas
- **Allied Areas:** Automotive Electronics

Academic Qualifications

- **Ph.D.:** [Smart Antenna], [VTU], [2017]
- **M.Sc./M.Tech:** [Industrial Electronics], [Mangalore University, 1991]
- **B.E./B.Tech:** Electrical & Elns, [Mangalore University], 1987
- **Postdoctoral Research:** NA

Professional Experience

Experience			
S.No	Institute/College/Industry	Job Title	Duration (From- To)
1.	KLE Engg. College, Belgaum	Lecturer	1987(Aug) – 1992(Sept)
2.	RV College of Engineering, Bangalore	Lecturer, Asst.Prof, Asso. Prof & Professor (As on Today)	1992 (Oct) – Till date

Publications & Patents

Journal Publications

1. Radha H M1 , Sushma N Kodagali2 , Dr. Prakash Biswagar, “IoT and Web based Cardiac Arrhythmia System using Machine Learning”, International Journal for Research in Applied Science & Engineering Technology, ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538 Volume 12 Issue VI June 2024.

2. Saikailash BC, Prakash Biswagar & Abhay Deshpande, '*Secure and Efficient Attribution System to Enhance Digital Marketing*', JETIR,'July2022, Vol.9 , Issue 7
3. Aniruddh Kulkarni & Prakash Biswagar, "*Model Based Systems Engineering Approach for mmWave Radar Lane Change Decision Aid Application Development – ISO17387*" International Journal of Emerging Trends & Technology in Computer Science (IJETTCS), Volume 11, Issue 4, July-August 2022 ISSN 2278-6856
4. Abhay Deshpande, Adinath Jain, Rekha. N and Prakash Biswagar, "*Solar Power Agriculture Robot With Multiple Operations and Live Monitoring*", SPAST Abstracts, IGCSTS-1, 2021
5. Anubhav Dinakar and Prakash Biswagar "*Analysis of Data Oriented Web Application Systems*", Journal of University of Shanghai for Science and Technology, ISSN :1007-6735,
6. Dhanush U, Prasanna S Hulikatti, Raghavendra H Malager, Sandur Shreesha and Prakash Biswagar "*A Secure File Transfer over Virtual File Machine Instances using Hybrid Encryption Technique*", Journal of University of Shanghai for Science and Technology, ISSN :1007-6735, Volume 23, Issue 6, June 2021, pp 77-84
7. Amisha Sing, Nandini S, Pawana S, Supriya C and Prakash Biswagar "*Prevention of fishing attacks on Online Voting using Visual Cryptography*", Journal of University of Shanghai for Science and Technology, ISSN :1007-6735, Volume 23, Issue 6, June 2021, pp 246-249
8. Shubhankar, Siddarth Bhaumik and Prakash Biswagar "*Detection and Classification of Malicious Websites*", Journal of University of Shanghai for Science and Technology, ISSN :1007-6735, Volume 23, Issue 6, June 2021, pp 120-131
9. Prakash Biswagar, Pavitra.R and Shylasri.N, "*Design and Implementation of Efficient AES Algorithm for Secure Communications*", International Journal of Advanced Science and Technology, June, 2020
10. Prakash Biswagar and S.Ravishankar, "*Modification to Beam Steering Algorithms in the Presence of Dielectric Lens*", International Journal of Electronics and Communication Engineering and Technology, ISSN: 0976-6464 /0976–6472, Volume:5, Issue:3, Pages:18-24, March 2014.
11. Prakash Biswagar and S.Ravishankar, "*Partial Spherical Scanning with Shaped Dielectric Lens Antenna Using Spherical Modal Expansion (SME)*", International Journal of P2P Network Trends and Technology, <http://www.ijpttjournal.org/Volume-6/IJPTT-V6P405.pdf>, March 2014.

12. S.Ravishankar, and PrakashBiswagar, "*A Cost Effective Smart Antenna for Mobile Broadband Systems*" International Journal of Computer Applications (ISSN 0975 – 8887) Volume 64– No.10, pp.33-38 February 2013.
13. PrakashBiswagar ,S.Ravishankar and S.Shashidhar "*Analysis of a Lens based Antenna Using Spherical modes*" International Journal of Scientific & Engineering Research, (ISSN 2229-5518) Vol 2, Issue11, Nov 2011.
14. Prakash Biswagar and S.Ravishankar, "*Spherical Modal Analysis of a Lens based Antenna for Mobile Broadband Systems*" International Congress for Global Science and Technology (ICGST) Journal,ISSN:1812-5654 Volume 10, Issue1, pp.19-27, December 2010.

Conference Papers

1. Rahul K, Prajwal S Hegde & Dr. Prakash Biswagar, "*Analyzing the generalized association between Attribute Selection and Data Handling*", Hinweis Third International Conference on Advances in Software Engineering and Information Technology (ASIT), Hybrid Mode; August 30-31, 2024
2. Sai Kailash B C & Prakash Biswagar '*Secure And Efficient Attribution System To Enhance Digital Marketing*', 2022 INDICON Conference.
3. Anirudda Kulkarni & Prakash Biswagar, "*Model Based Systems Engineering Approach for mmWave Radar Lane Change Decision Aid Application Development - ISO17387*" 6th International Conference on "Computational Systems and Information Technology for Sustainable Solutions" RVCE
4. Ravishankar S , Prakash Biswagar and Thimmaiah Kuppana Ganapathy
"*Analysis of A Patch Array Dielectric Lens Antenna for Mobile Applications*" Proceedings of Smart SysTech 2013-European Conference on Smart Objects, Systems & Technologies, Erlangen/Nuremberg, Germany, June 11th -12th 2013
5. Prakash Biswagar and S.Ravishankar, "*Co-ordinate Translation & Rotation for the Analysis of Dielectric Embedded Antenna*", Proceedings of the IEEE Sponsored CCCI Conference, RVCE, Bangalore, pp 90-96, 21st -23rd Nov 2007.
6. Nimisha K T & Prakash Biswagar, "*Viterbi Algorithm Based Bluetooth Low Energy Receiver for IoT*", Proceedings of IEEE International Conference On Recent Trends In Electronics Information Communication Technology, May 19-20, 2017, India

7. Abhishek Sampagavi & Mr. Prakash Biswagar, "*3 Phase Energy Meter using ADE7754 and Atmega 328P Microcontroller*", Imperial Journal of Interdisciplinary Research (IJIR), Vol-2, Issue-7, 2016, ISSN: 2454-1362, <http://www.onlinejournal.in>
8. Udaykumar Naik, Sameer Hudli and Prakash Biswagar, "*A Statistical Channel Model for Fixed WiMax in Urban Residential Areas*", Proceedings of IEEE International Conference on Recent Trends In Electronics Information Communication Technology, May 19-20, 2017, India
9. Vishwanath M Bhadrashetti, Mrs. Garima Pathak, Dr. Prakash Biswagar, Shrikanth B Tantry, Sachin M, Sourabh P Nagesh, "*Performance Analysis of Routing and Wavelength Assignment in Optical Networks*" Proceedings of IEEE International Conference ICATIECE-2019, March 19-20, 2019, India
10. Pooja Narasimha Kudva, Nitin Kumar, Dr. Prakash Biswagar, "*Code Coverage of Jboss Application server for a Centralized SDM*", Proceedings of 4th International Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT-2019), Sri Venkateshwara College of Engineering May 17th & 18th 2019
11. Ranjana S, Durairaj R, Dr. Prakash Biswagar "*Automation framework for Installation of HSS/HLR node*", Proceedings 4th IEEE International Conference on Recent Trends in Electronics, Information, Communication & Technology (RTEICT-2019), Sri Venkateshwara College of Engineering, May 2019
12. Chetan Devendra Kabade, Vikas An and Dr. Prakash Biswagar "*Developing Effective UVM testbench for Verification of DDR SDRAM*" Proceedings 4th IEEE International Conference on Recent Trends in Electronics, Information, Communication & Technology (RTEICT-2019), Sri Venkateshwara College of Engineering, May 2019

International Symposiums:

1. Prakash Biswagar et al., "*Far Field to Near Field Transformation of Field from Dielectric Lens Excited by a Rectangular Patch Using Spherical Modal Expansion*", Proceedings of the IRSI-09, Bangalore pp 533-537, 8-11 Dec 2009.
2. Ravishankar.S and Prakash Biswagar, "*Analysis of Dielectric Lens-Adaptive Array Antennas for Shaped Beam Applications*", Sarnoff Symposium, proceedings of the IEEE, page(s):1-4, March 2006, DOI:10.1109/SARNOF.2006.4534746.
3. Ravishankar.S and Prakash Biswagar, "*Spherical Modal Analysis of Shaped Dielectric Lens Antennas for Mobile Broadband Applications*", Antennas and Propagation Society International Symposium, proceedings of the IEEE, volume: 2A, page(s):454-457, July 2005, DOI:10.1109/APS.2005.1551842,

Books Reviewed:

1. **Basic Electronics** Text Book from TATA-McGraw Hill Publication
2. **Signals & Systems** Text Book from TATA-McGraw Hill Publication
3. **Analog communication** Text Book from TATA-McGraw Hill Publication
4. **DSP** text book from TATA-McGraw Hill Publication
5. **Antenna & Wave Propagation**, from Pearson India Publication

Patents [Filed / Published / Granted]

1. NIL

2. R & Grants & Consultancy Projects

1. "A Cost Effective Smart Antenna for Mobile Broad Band Applications", funded by ISRO (Rs.6.14 Lakhs) – **Completed (Co – PI)**
2. "Analysis and Design of Low Cost Multi Resonant Antenna for Wireless Communications using FR4/RTDuriod/TMM10i, funded by CoE, TEQIP, RVCE(Rs 1.5 Lakhs) –**Completed (PI)**.

Ongoing & Completed Research Projects

- [NIL]

Ongoing & Completed Consultancy Projects

- 1."A Cost Effective Smart Antenna for Mobile Broad Band Applications", funded by ISRO (Rs.6.14 Lakhs) – **Completed (Co – PI)**
- 2."Analysis and Design of Low Cost Multi Resonant Antenna for Wireless Communications using FR4/RTDuriod/TMM10i, funded by CoE, TEQIP, RVCE(Rs 1.5 Lakhs) –**Completed (PI)**.

Professional Memberships

- Life Member, ISTE
- Life Member, IETE
- Member IEEE

Awards & Recognitions

1. Excellency award by RSST(College Management)-2006
2. Excellency award by ISTE Chapter RVCE-2007
3. Excellency award by ISTE Chapter RVCE-2018

Student Supervision

- Ph.D. Candidates: NIL
- M.Tech/M.Sc. Students: 25
- Undergraduate Research Mentees:

Professional Roles

- **Editorial Board:** Staff Editor, Dept News Letter ECLECTIC
- **Chair/Committee Member:** [Organizing committee , IEEE Conference CSTSS, RVCE
- **Industry Advisor:** [Company/Startup Name]

Teaching

Core Courses: [Current semester]

- Principles of Management & Economics (HS216TA) – 6th Sem BE
- Automotive Embedded Systems (365TDC) – 6th Sem, Professional Elective

Advanced/Lab Courses:

- Microwave & Radiating Systems – 7th Sem

Professional Roles

Worked as:

Project Coordinator
 Time Table Officer,
 Seminar Coordinator
 Coordinator for Conferences
 I/C HoD
 Convener, Gandhi Center, RVCE
 President, Kannada Sangha, RVCE
 Executive Committee Member, ISTE RVCE Chapter

Editor for College Magazine (**Spandana**) and
Department News Letter (**ECLECTIC**)

Responsibilities

- **Academic:** Coordinator NPTEL,
- **Administrative:** Member Most of the Committees in the department

External Connect

- Member of BoS, Bangalore University for M.Sc (Electronic Science)
- Member BoE of BMSIT, Bangalore University
- Ex member BoS Dr.AIT, Mt.Carmel College for Women, Jain University, Mangalore University etc