

PROFILE

Name	Dr Shivapanchakshari T G
Position & Affiliation	Professor & Head, Department of ECE
Areas of Interest	Digital Communication, Wireless Communication, Microwaves and Antennas
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Google Scholar ID	https://scholar.google.co.in/citations?user=8ezqzIAAAAJ&hl=en
Orchid ID	https://orcid.org/0009-0002-7672-8527
Vidwan ID	https://vidwan.inflibnet.ac.in/profile/270704
Scopus ID	http://www.scopus.com/inward/authorDetails.url?authorID=57208835550&partnerID=MN8TOARS

Educational Qualifications:

Ph.D	Visvesvaraya Technological University, Belgaum	India	2023
MTech	BMS College of Engineering, Bangalore Visvesvaraya Technological University, Belgaum	India	2005
BE	BMS College of Engineering, Bangalore Bangalore university, Bangalore	India	1994

Areas of Research:

Smart Antennas, massive MIMO

Brief Profile: (write about yourself)

I'm Graduated and Post-graduated from BMS College of Engineering, Bangalore in the field of Electronics and Digital Communication respectively. I've obtained a Doctoral degree from Visvesvaraya Technological University, Belgaum, Karnataka in the faculty of Electrical Engineering. Currently, I'm affiliated to Cambridge institute of Technology, Bangalore as Professor and Head in the Department of Electronics and Communication Engineering. I'm passionate Teacher, having an experience of 28 years in the field of Analog & Digital Communication, Microwaves and Antennas, Electromagnetics & signal processing. I've nearly 10 years of research experience and have published more than 25 articles in various Journal and Conference Proceedings.

I'm a member of Board of Studies (BOS) (VTU nominee) and contributed to curriculum development for Autonomous Institutions under VTU at UG & PG levels. I've also played vital role in getting NAAC & NBA accreditations to the current Institution.

I've conducted National & International Conferences and, also, organized various co-curricular & extra-curricular activities.

I'm the branch counsellor for IEEE student branch, CIT and faculty advisor for IEEE CAS society. Under IEEE banner, I've conducted many activities and received 'Most promising branch' award.

I've set up 'Communication lab' & 'Advanced Communication lab' at CIT in 2009. I've guided many student projects & mini-projects at UG & PG levels.

Awards/Achievements/Others:

- Nominated by VTU as a member of Board of Studies (BOS) to East Point College of Engineering & Technology
- Received 'Most promising branch' award from IEEE Bangalore section for contributions in 2023
- Received 'the Best Branch (programme) of CIT' Award for the contributions in the academic year 2023-24
- Obtained NBA & NAAC Accreditation to Department of ECE in 2023

Courses Taught:

Electromagnetics, Principles of Communication Systems, Digital Communication, Microwave Devices & Circuits, Antennas & Propagation, Basic Electronics, Wireless Communication

Publications/Patents:

L. C R, D. Kavitha, D. Kannadassan and S. T G, "Slotted Ground Resonator Based Cauer LPF," *2024 IEEE International Conference for Women in Innovation, Technology & Entrepreneurship (ICWITE)*, Bangalore, India, 2024, pp. 65-70, doi: 10.1109/ICWITE59797.2024.10502769.

J. Chetan Naik, B. S. Deeksha, H. Girish, Gurusharan Kashetty, T. G. Shivapanchakshari, Manohar Sai Polakam; IoT based home automation using Blynk cloud. *AIP Conf. Proc.* 8 July 2024; 2965 (1): 020006. <https://doi.org/10.1063/5.0215427>

Shivapanchakshari, T. G and Aravinda, H. (2017) *Review of Research Techniques to Improve System Performance of Smart Antenna*. *Open Journal of Antennas and Propagation*, 5, 83-98. doi: [10.4236/ojapr.2017.52007](https://doi.org/10.4236/ojapr.2017.52007).

Shivapanchakshari, T.G., Aravinda, H.S. (2019). *An Efficient Mechanism to Improve the Complexity and System Performance in OFDM Using Switched Beam Smart Antenna (SSA)*. In: Silhavy, R. (eds) *Cybernetics and Automation Control Theory Methods in Intelligent Algorithms*. CSOC 2019. *Advances in Intelligent Systems and Computing*, vol 986. Springer, Cham. https://doi.org/10.1007/978-3-030-19813-8_7

CL-SA-OFDM: Cross-layer and smart antenna based OFDM system performance enhancement, *International Journal of Electrical and Computer Engineering* 2020 | Journal article, DOI: [10.11591/ijece.v10i5.pp4663-4670](https://doi.org/10.11591/ijece.v10i5.pp4663-4670), Part of ISSN: [20888708](https://doi.org/10.20888/708)
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PSO-CCO_MIMO-SA: A particle swarm optimization based channel capacity optimization for MIMO system incorporated with smart antenna
International Journal of Electrical and Computer Engineering 2020 | Journal article, DOI: [10.11591/IJECE.V10I6.PP6276-6282](https://doi.org/10.11591/IJECE.V10I6.PP6276-6282), Part of ISSN: [20888708](https://doi.org/10.20888/708)
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Shivapanchakshari, T.G.; Aravinda, H.S., **Adaptive resource allocation using various smart antenna techniques to maintain better system performance**, International Journal of Engineering and Advanced Technology, 2019 | Journal article EID: 2-s2.0-85070479548, Part of ISSN: [22498958](https://www.ijeat.org/)

G, Shivapanchakshari T and H. S. Aravinda. “Adaptive Resource Allocation using various Smart Antenna Techniques to maintain better System Performance.” *International Journal of Engineering and Advanced Technology* (2019): n. page 262-265, Volume-8 Issue-5S, May 2019, EID: 2-s2.0-85070479548, Part of ISSN: 22498958, <https://www.ijeat.org/portfolio-item/E10520585S19/>

Tharun Tej D, Dr. Shivapanchakshari T G, Virupaksha G R, Shivakeerthi B T, *LINEAR MICROSTRIP ANTENNA ARRAY FOR 5G COMMUNICATION APPLICATIONS*, International Journal of Creative Research Thoughts (IJCRT), ISSN:2320-2882. <https://www.ijcrt.org/papers/IJCRTAB02159.pdf>

Jose seena, Shivapanchakshari, ‘**Unsupervised method for face photo - sketch synthesis and recognition**’, International journal of advance research, ideas and innovations in Technology, ISSN: 2454-132X, Volume3, Issue3, <https://www.ijariit.com/manuscripts/v3i3/V3I3-1177.pdf>