

# Faculty Profile

## Brief Profile

Faculty Photo

### Personal Information

- **Name:** Pawankumar B
- **Designation:** Assistant Professor
- **Department:** Electronics and Telecommunication Engineering
- **Email:** pawankumarb@rvce.edu.in
- **Phone:** 9481637400

Google Scholar: <https://scholar.google.co.in/citations?user=FYyWN8YAAAAJ&hl=en>

ORCID: 0000-0002-5636-9494

**Domain of Expertise:** RF IC, Analog Circuits, RF transceivers

### Research Focus

- **Primary Area:** RFIC
- **Allied Areas:**
  - Design of Communication circuits
  - Analog Design

### Academic Qualifications

- **Ph.D.:** ECE, NITK, 2025 (*Thesis yet to be submitted*)
- **M.Tech:** VLSI & ES, VTU, 2012.
- **B.E./B.Tech:** ECE, VTU, 2009.

### Professional Experience

Experience			
S.No	Institute/College/Industry	Job Title	Duration (From- To)
1.	Infineon Technologies Inida Pvt. Ltd.	Intern	11 Months (June 2011 – May 2012)
2.	R V College of Engineering, Bangalore	Assistant Professor	7 Years (August 2012- July 2019)

3	National Institute of technology, Surathkal	Research Scholar	5 Years 3 Months (August 2019 – October 2024)
4	R V College of Engineering, Bangalore	Assistant Professor	7 Months (November 2025- Till Date)

## Publications & Patents

### Journal Publications

1. Kasthuri S, Pawankumar B, “**Identification of Bulk CM File Status in EMS**”, International Journal of Engineering Research in Electronic and Communication Engineering (IJERECE) Vol 3, Issue 6, June 2016. [https://www.technoarete.org/common\\_abstract/pdf/IJERECE/v3/i6/22.pdf](https://www.technoarete.org/common_abstract/pdf/IJERECE/v3/i6/22.pdf)
2. Pawankumar B, Prashantha Kumar H, “**A WiFi-6E tri-band power amplifier for WLAN applications featuring a novel re-configurable matching network**”, Circuits Syst Signal Process (2024). <https://doi.org/10.1007/s00034-024-02904-x>.
3. Pawankumar B, Prashantha Kumar H, “**A novel 5.1–7.1 GHz front-end power amplifier for wireless applications with –35 dB Error Vector Magnitude**” e-Prime - Advances in Electrical Engineering, Electronics and Energy, Vol. 10, No. 10, 2024, <https://doi.org/10.1016/j.prime.2024.100833>.

### Conference Papers

1. Pawankumar B, Bhargava C. R., Dr. Kariyappa B S, Narayanan S, Kamalakar R, “An approach for reusing test source of an IP to reduce verification effort”, *IEEE Sponc., International Conference on Electronics and Communication (ET2ECN2012)*, Gujarat, Sept-2012.
2. Kasthuri Srinivas, Pawankumar B, “Identification of Bulk CM Status in Small Cell Management System,” *in the proceedings of International conference on Applied Science, Engineering and Technology (ICASET)*, Sri Sairam College of Engineering, Anekal, Bengaluru, page: 119, June, 2016.
3. Pramod G J, Pawankumar B, “Analysis of BCH codes for different channel conditions,” in the proceedings of *International conference on Applied Science, Engineering and Technology (ICASET)*, Sri Sairam College of Engineering, Anekal, Bengaluru, page: 118, June, 2016.
4. Supriya S, Renitha R, Pawankumar B "Design and Implementation of 4096 point FFT for Satellite Communication", *International Conference on Innovative Mechanisms for Industry Applications*, DSCE, Bengaluru, pp-25.
5. Mahima MC, Pawankumar B, “Improving Network Management performance with SDN”, *4<sup>th</sup> International Conference on recent trends on Electronics, Information and Communication technology*, Sri Venkateshwara College of Engineering, Bangalore, 17<sup>th</sup> May 2019.
6. Pawankumar. B and Prashantha. Kumar H, "Power Amplifier for front-end WiFi-6E application," *2024 IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT)*, Bangalore, India, 2024, pp. 1-5, doi: 10.1109/CONECCT62155.2024.10677029.

### Books/Book Chapters

1. NIL

## Patents

1. NIL

## R & Grants & Consultancy Projects : NIL

## Ongoing & Completed Research Projects NIL

## Ongoing & Completed Consultancy Projects NIL

## Professional Memberships

- NIL

## Awards & Recognitions

- NIL

## Student Supervision

- Ph.D. Candidates: NIL
- M.Tech/M.Sc. Students: 03
- Undergraduate Research Mentees: 04

## Professional Roles

- Editorial Board: NIL
- Chair/Committee Member: NIL
- Industry Advisor: NIL

## Teaching

### Core Courses: [AY: 2024-25]

- ET634TA: Optical fiber Communication]
- 21TE74B: Mixed signal Circuit Design

### Advanced/Lab Courses:

- Communication II LAB
- OFC Lab
- ATD Lab

## Professional Roles

## Responsibilities

- **Academic:** EL Coordinator/Evaluator.
- **Administrative:** WTISD-2025 Coordinator.