

Dr. Prateek Dolas

CONTACT INFORMATION	Dr. Prateek Dolas Assistant Professor Department of Electronics and Communication Engineering RV Institute of Technology and Management 8th Phase, J. P. Nagar, Bengaluru (Karnataka), 560 076, India. E-mail: prateekdolas.rvitm@rvei.edu.in
RESEARCH INTERESTS	Wireless Sensor Networks, Sparse Signal Processing, Signal Processing for wireless communications, Internet of Things, Optimization in 5G/6G Wireless Communication, Machine Learning for Wireless Communication, Detection and Estimation, Adaptive signal Processing.
TEACHING INTERESTS	Digital Communication, Wireless Communication, Signals and System, Analog Communication, Digital Signal Processing, Signal Theory (Linear Algebra, Probability, Random Variables & Stochastic Processes), Detection and Estimation Theory, Information and Coding Theory, Wireless Sensor Networks, Machine Learning, Adaptive Signal Processing, Optimization Techniques, MIMO Wireless Communication, Data Communication & Networks, Electromagnetic Field Theory, Control Systems.
EDUCATIONAL QUALIFICATION	Ph.D., Electronics and Communication Engineering, January 2018 Indian Institute of Technology Roorkee, Roorkee, (U.K.), India <ul style="list-style-type: none">• Thesis Title: <i>Energy Efficient Compressive Data Gathering in Wireless Sensor Networks</i>• Supervisors: Prof. Dr. Debashis Ghosh• Date of Submission: July 24, 2017.• Date of Defense Viva-Voce: January 31, 2018. B.E., Electronics and Telecommunication Engineering, June 2010 Chhattisgarh Swami Vivekanand Technical University, Bhilai, (C.G.), India <ul style="list-style-type: none">• <i>First division with Honors</i> H.S.S.C(10+2), Physics, Chemistry and Mathematics Group, May 2006 Chhattisgarh Board of Secondary Education, Raipur, (C.G.), India <ul style="list-style-type: none">• <i>First division</i> H.S.C(10th), , May 2004 Chhattisgarh Board of Secondary Education, Raipur, (C.G.), India <ul style="list-style-type: none">• <i>First division</i>
OTHER EDUCATIONAL QUALIFICATION	Elementary German Language Course, Indian Institute of Technology Roorkee, Roorkee, (U.K.), India Diploma in French, Pandit Ravishankar Shukla University Raipur, Raipur, (C.G.), India

POST PH.D. EXPERIENCE

Assistant Professor **May 2026 to Till Date**
 Department of Electronics and Communication Engineering
 RV Institute of Technology and Management, Bengaluru (Karnataka) 560 076.

Assistant Professor (Temporary Faculty) **July 2019 to May 2026**
 Department of Electronics and Communication Engineering
 National Institute of Technology Raipur, Raipur (Chhattisgarh) 492 010.

Assistant Professor **January 2019 to April 2019**
 Department of Electronics Engineering
 Shri Ramdeobaba College of Engineering and Management, Nagpur (Maharashtra) 440 013

ACADEMIC SKILLS *NPTEL Certification*

- Applied Optimization For Wireless, Machine Learning, Big Data by Prof. Aditya Jagannatham IITK, (12 Weeks, July to Oct. 2023) Score: 88%
- Applied Linear Algebra For Signal Processing, Data Analytics And Machine Learning by Prof. Aditya Jagannatham IITK, (12 Weeks, July to Oct. 2023) Score: 82%
- Simulation Of Communication Systems Using Matlab By Prof. Ribhu Chopra IITG, (12 Weeks, July to Oct. 2023) Score: 72%

PUBLICATIONS

- Number of International Book Chapters: 02
- Number of International Journals: 02
- Number of International Conferences: 03

HONORS AND AWARDS

- Awarded the MoE (erstwhile MHRD), GoI Research Fellowship directly after B.E. to pursue Ph.D. at IIT Roorkee.
- Awarded University Gold Medal for scoring highest CPI in the year 2006-2007.
- Qualified GATE 2009, GATE 2010.

OUTREACH ACTIVITIES

- Reviewer IETE Journal of Research
- TPC Member of International Conference on Emerging Electronics and Automation (E2A) 2022
- Reviewer of IEEE Wireless Communications and Networking Conference (WCNC) 2022.
- TPC Member of IEEE International Conference on Advanced Communication Technologies and Signal Processing (ACTS) 2021
- TPC Member of 27th National Conference on Communication 2021
- TPC Member of International Conference on Emerging Electronics and Automation (E2A) 2021
- TPC Member of IEEE International Conference on Advanced Communication Technologies and Signal Processing (ACTS) 2020
- TPC Member of Electric Power and Renewable Energy Conference 2020
- Reviewer, Sensor Review, Emerald Publishing, UK.

TEACHING EXPERIENCE

Courses taught at NIT Raipur

- Digital Communication (Theory & Lab)
- Wireless Communication (Theory)
- Control Systems (Theory)
- Electromagnetic Field Theory (Theory)
- Microprocessors and Microcontrollers (Theory & Lab)
- Information and Coding Theory (Theory)
- Analog Integrated Circuits and Applications (Lab)
- Microwave Engineering (Lab)

Courses taught at RCOEM Nagpur

- Microwave Engineering (Theory & Lab)

- PERSONAL DETAILS
- **Domicile:** Raipur, Chhattisgarh, India.
 - **Nationality:** Indian.
 - **Marital Status:** Married
 - **Languages Known:** English(R,W,S), Hindi(R,W,S), Marathi (R,W,S), Sanskrit (R,W), French(R,W), German(R,W).
 - **Blood Group:** A (+ve)
 - **Hobbies:** Painting, Listening to Classical Music.

Date: May 21, 2026
Place: Bengaluru, (K. A.)

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