



# Dr. Prateek Raj Gautam

Ph.D., Electronics and Communication Engineering,  
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ORCID:[0000-0002-2889-4275](https://orcid.org/0000-0002-2889-4275),

WOS:[1552109](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1552109/),

IEEE:[91250146](https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=91250146),

SCHOLAR:[sIZHj6cAAAAJ](https://scholar.google.com/citations?user=sIZHj6cAAAAJ)

## WORK EXPERIENCE

<b>Assistant Professor – Senior Scale</b> , School of Computer Science <i>UPES Dehradun, Uttarakhand.</i>	<i>February 2024 – Present</i>
<b>Assistant Professor</b> , Computer Science & Engineering <i>Centre for Advanced Studies, AKTU, Lucknow, UP.</i>	<i>August 2022 – February 2024</i>
<b>Assistant Professor</b> , Electronics & Communication Engineering <i>Allehnouse Institute of Technology, Kanpur, UP.</i>	<i>July 2013 – December 2015</i>
<b>Assistant Professor</b> , Electronics & Communication Engineering <i>Naraina College of Engineering and Technology, Kanpur, UP.</i>	<i>June 2012 – July 2013</i>

## EDUCATION

<b>Ph. D.</b>	<i>2016–2021</i>
Electronic & Communication Engineering (Wireless Sensor Networks), <b>Motilal Nehru National Institute of Technology Allahabad, Prayagraj (UP), India</b> . Thesis Title: “Energy Efficient 2D and 3D Localization in Wireless Sensor Networks using Single Anchor Node”.	
<b>M. Tech.</b> Electronic & Communication Engineering, <b>Harcourt Butler Technological Institute (HBTI) Kanpur (UP), India</b> , with an aggregate of 67.55%. Thesis Title: “Generalized One Dimentional Optical Orthogonal Coding Scheme for CDMA Systems with its Grouping and Performance Analysis”.	<i>2009–2011</i>
<b>B. Tech.</b> Electronics & Communication Engineering, <b>University Institute of Engineering and Technology (UIET), CSJMU Kanpur (UP), India</b> , with an aggregate of 62.00%.	<i>2004–2008</i>

## RESEARCH INTERESTS & COURSES DELIVERED

Wireless Sensor Networks ( <b>WSNs</b> ) / Internet of Things ( <b>IoTs</b> ), Energy efficient WSN Localization, Wireless Communication, <b>CDMA</b> , <b>IDMA</b> , Brain Wave Mapping. Machine Learning <b>AI/ML</b> & Computer Vision
<b>Post Grad. (M.Tech.):</b> Machine Learning, Computer Vision, Reinforcement Learning, Internet of Things, Data Communication Networks, Research Methodology, Concepts of Electrical & Electronics Engineering
<b>Under Grad. (B.Tech.):</b> Digital Electronics, Microporcessors, EMFT, Digital Communication, Measurements, Analog Integrated Circuits.

## COMPUTER SKILLS

• <b>MATLAB</b> (previous collaborations: <a href="https://github.com/mgeekmatlab">github.com/mgeekmatlab</a> ), • <b>LabVIEW</b> , • <b>LTspice</b> , • <b>Embedded/IoT</b> design and programming <b>Arduino IDE/PlatformIO</b> , • <b>CST Studio</b> , • <b>KiCAD</b> , • <b>LaTeX</b> (pgfplots/tikz/beamer), • <b>Gnuplot</b> , • <b>Word/Excel</b> , <b>LibreOffice</b> , • <b>Photoshop/Corel Draw/Inkscape/GIMP</b> , • <b>Blender</b> , • <b>Github</b> , • <b>Web design:</b> <b>HTML</b> , <b>CSS</b> , <b>Javascript</b> , <b>Git</b> , <b>DevOps</b> , <b>CICD</b> , Jenkins, Ansible, Github pages, Jekyll, hosting and server management, <b>WordPress</b> , <b>Django</b> ( <i>Designed and hosted conference (vcas2018) website at MNNIT ECED, online at <a href="http://mnnit.ac.in/vcas2018">mnnit.ac.in/vcas2018</a></i> ), • <b>Python</b> (tkinter/kivy/eel) <b>GO</b> ( <i>Designed GUI based hotspot software online at <a href="http://fwh.mgeek.in">fwh.mgeek.in</a></i> ), ( <i>Form filler software online at <a href="http://formhelper.mgeek.in">formhelper.mgeek.in</a></i> ). • Designed <b>GeneratorJS</b> library in JavaScript and <b>PyGenerator</b> module in python for website templating and front-end design available online at <a href="http://generatorjs.mgeek.in">generatorjs.mgeek.in</a> . • <b>Docker</b> , <b>Proxmox</b> . • <b>Linux</b> , bash, Nix and NixOS.
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## JOURNAL REVIEWER AND EDITOR

• IEEE Transactions on Industrial Informatics WOS (3), • IET Communications WOS (6), • International Journal of Distributed Sensor Networks WOS (1), • Asian Journal of Cardiology Research (1), • SN Applied Sciences WOS (1), • Telecommunication Systems (3), • Journal of Optical Communications (1), • Optica Applicata (1), • International Journal of Procurement Management (1), and • AE IJS AEM (8).
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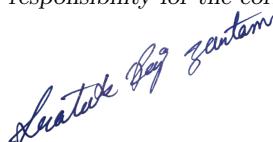
## WORKSHOPS /FDP

1. One-week GIAN workshop “Advances in Nanotechnology and its Application in Future Electronics (ANFE-2017)” held at MNNIT Allahabad.  
– Participated and volunteered      *6th – 10th November, 2017*

2. Ten days GIAN workshop on “Internet of Things in Smart Living & Cyber-Physical-Social Systems” held at IIT Kanpur.  
– Participated and volunteered. 8th – 17th January 2018
3. Summer training program on “VLSI Design & Embedded System (VDES-2018)” held at MNNIT Allahabad.  
– Volunteered. 13th June – 12th July, 2018
4. ATAL Academy FDP on “Blockchain” held at MNNIT Allahabad.  
– Participated. 16th – 20th September 2019
5. ATAL Academy FDP on “Artificial Intelligence” held at MNNIT Allahabad.  
– Participated. 10th – 14th December 2019
6. One-week short term course on “Computational Physics” held at MNNIT Allahabad.  
– Participated. 1st – 5th March 2021
7. One-week FDP on “IPR Awareness and Patent Prosecution” held at MNNIT Allahabad.  
– Participated. 13th – 17th July 2021
8. One-week FDP on “Antenna Design and Microwave Applications” held at HBTU Kanpur.  
– Participated. 23th – 27th July 2021

<b>WORKSHOPS FACILITATED</b>	Manuscript preparation in LaTeX, Programming with 8051 micro-controller.
<b>AWARDS AND OTHER ACHIEVEMENTS</b>	<ol style="list-style-type: none"> <li>1. Awarded national scholarship “RG-NFSC” from UGC. <span style="float: right;">2017-2021</span></li> <li>2. Offered national scholarship “MANF” from UGC based on NET score <span style="float: right;">2020</span></li> <li>3. Eight times GATE qualified. <i>2008, 2009, 2012, 2013, 2014, 2016, 2017, and 2020</i></li> <li>4. Three times UGC NET (Electronics Science) qualified. <i>Jul-2016, Jan-2017, and Dec-2019</i></li> <li>5. Member of IEEE, IEEE Industrial Electronics Society, IEEE Microwave Theory and Techniques Society, and IEEE Broadcast Technology Society.</li> <li>6. NPTEL Online Certification on MATLAB for Numerical Computations.</li> </ol>
<b>REFERENCES</b>	<ol style="list-style-type: none"> <li>1. Dr. Arvind Kumar <i>Associate Professor</i>, ECED, MNNIT Allahabad, Teliyarganj, Prayagraj, UP 211004, E.Mail: <a href="mailto:arvindk@mnnit.ac.in">arvindk@mnnit.ac.in</a> Mob:7081869266, – <i>Ph.D. Thesis Supervisor</i></li> <li>2. Dr. Arun Prakash <i>Associate Professor</i>, ECED, MNNIT Allahabad, Teliyarganj, Prayagraj, UP 211004, E.Mail: <a href="mailto:arun@mnnit.ac.in">arun@mnnit.ac.in</a> Mob:9794008282.</li> <li>3. Dr. Basant Kumar <i>Associate Professor</i>, ECED, MNNIT Allahabad, Teliyarganj, Prayagraj, UP 211004, E.Mail: <a href="mailto:singhbasant@mnnit.ac.in">singhbasant@mnnit.ac.in</a> Tel: +91-0532-2271468.</li> <li>4. Dr. Vijay Shankar Tripathi <i>Professor</i>, ECED, MNNIT Allahabad, Teliyarganj, Prayagraj, UP 211004, E.Mail: <a href="mailto:vst@mnnit.ac.in">vst@mnnit.ac.in</a> Mob:8004818000.</li> <li>5. Dr. Ram Chandra Singh Chauhan <i>Associate Professor</i>, ECED, IET, Sitapur Road, Lucknow UP, E.Mail: <a href="mailto:ram1.hbt@gmail.com">ram1.hbt@gmail.com</a> Mob:9336050184. – <i>M.Tech. Dissertation Supervisor</i></li> </ol>

**DECLARATION** I hereby declare that the above information given is true to the best of my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.



January 2, 2026