BIODATA

PERSONAL

- Name — Prof (Dr) Anil Kumar Gautam
- Father's Name — Late Sri Ram Avtar Singh
- Mother's Name — Smt. Rameshwari Singh
- Marital Status — Married
- Gender — Male
- Correspondence Address — Department of Electronics and Communication Engineering
  G B Pant Institute of Engineering and Technology
  Pauri Garhwal, (Uttarakhand) INDIA -246194
  E-mail: gautam1575@yahoo.co.in

PROFESSIONAL QUALIFICATIONS

S. N.	Name of the Instt./Board / University	Year of Passing	Exam/ Degree	Subjects	Division/Grade
1.	BT Kumaon Institute of Technology, Dwarahat, Uttarakhand-263653	Jul 1999	BE	Electronics & Communication Engineering	8.6 out of 10 First division (CGPA)
2.	Indian Institute Technology Banaras Hindu University Varanasi (UP)-221005	Jul 2007	PhD	Some Investigations on Active Microstrip Antenna for Frequency Agile Operation	

ACADEMIC EXPERIENCE

- **Professor**, G B Pant Institute of Engineering and Technology, Pauri Garhwal, (Uttarakhand) INDIA -246194, from 20.04.2019 to till date. **in Level-14 Rs.** 144200-218200 **(Present Basic Rs. 182700/-)**
- **Professor**, Electronics & Communication Engineering, School of Information and Communication Technology, Gautam Buddha University, G. B. Nagar, (UP) INDIA-201308 from 09.09.2016 to 08.09.2018, in **PB-4 Rs 37400-67000 AGP 10500**.
- **Professor (CAS)**, G B Pant Institute of Engineering and Technology, Pauri Garhwal, (Uttarakhand) INDIA -246194, from 24.12.2012 to 20.04.2019 **in PB-4 Rs. 37400-67000 AGP 10000.**
- **Associate Professor**, Department of Electronics & Communication Engineering, G B Pant Institute of Engineering and Technology, Pauri Garhwal, (UK) INDIA-246 194, 24 from Dec 2009 to 23 Dec 2012 in pay band **PB-4 Rs 37400-67000 AGP 9000**.
- **Assistant Professor** (Sr. Scale), Department of Electronics & Communication Engineering, G. B. Pant Engineering College, Pauri Garhwal, (UK) INDIA-246 194, **12 Jun 2006 to 23 Dec 2009** in Scale **PB-3 Rs 15600-39100 AGP 7000**.
- **Lecturer**, Department of Electronics & Communication Engineering, G. B. Pant Engineering College, Pauri Garhwal, (UK) INDIA-246 194, **12 June 2000 to 11 June 2006** in Scale **Rs 8000-275-13500**.

ADMINISTRATIVE EXPERIENCES

AT GAUTAM BUDDHA UNIVERSITY, GREATER NOIDA

- **Dean,** School of Bio-Technology, from 08.08.2017 to 01.10.2017.
- **Dean,** School of ICT, from 20.10.2016 to 04.09.2017.
- **Dean,** School of Engineering, from 31.12.2016 to 21.02.2017.
- **Chairman,** Board of Study, School of ICT, from 20.10.2016 to 04.09.2017.
- **Chairman,** RDC, School of ICT, from 20.10.2016 to 04.09.2017.
- **Chairman,** Interview board of Guest Faculty, School of ICT.
- **Chairman,** PhD Interview board, School of ICT, from 20.10.2016 to 04.09.2017.
- **Chairman,** Biometric Attendance implementation Committee 2017
- **Member,** Board of Management, from 20.10.2016 to 04.09.2017.
- **Member,** Academic Council, from 20.10.2016 to 04.09.2018.
- **Member,** Tender preparation and opening Committee, from 20.10.2016 to 04.09.2017.

AT G B PANT INSTITUTE OF ENGINEERING AND TECHNOLOGY, PAURI

- **Dean,** Academic from 10 Sep 2021 to till date
- **Dean,** Research from 10 Sep 2021 to till date
- **Head**, Department of Electronics and Communication Engg, from 28 Sep 2021 to till date
- **Officer in Charge**, ERP services from 21 Sep 2022 to till date
- **Registrar**, from Jan 16 to 09 Sep. 2016.
- **Dean,** Student Welfare, from Aug 15 to June 16.
- **Head of the Department**, from Jan 16 to 08 August 2016.
- **Nodal Officer,** Procurements, TEQIP-II, World bank project from Jan 16 to 09 Sep. 2016.
- **Nodal Officer,** Finance, TEQIP-II, TEQIP-II, World bank project Jan 16 to 09 Sep. 2016.
- **Nodal Officer,** SCSP and TSP Grants of Uttarakhand, from Jan 09 to 09 Sep. 2016.
- **Officer-in-charge**, Central Store and Purchase, from Jun 2002 to Jun 2004, & Jan 16 to 09 Sep. 2016.
- **Officer in Charge,** Communication, from Jun 2002 to Jun2004, Apr 09 to July 2011 & July 13 to Aug 15.
- **Officer in Charge**, College Time Table, May 09 to June 16.
- **Officer in Charge**, Security, Oct 10 to Aug 15.
- **Team Manager**, ECE Team, from Oct 2009 to till date.
- **Officer in Charge**, Sport Activities, Dec 2000-Apr 2003.
- **Officer in Charge**, Cultural Activities, from Dec 2000- Feb 2002.
- **Convener**, Goonj-2001
- **Convener**, Spandan-2001.
- **Section Head**, Electronics Engineering, from June 2003 to Jun2004.
- **Warden**, Raman Hostel, from May 2003 to Jun 2004.
- **Chief Coordinator**, Project Strengthen of DSP Lab, from Jun 2002 to Jun 2004.

PROFESSIONAL MEMBERSIPS

- **Chairman,** Boards of Study, B. Tech ECE & MTech programs, Uttarakhand Technical University, Uttarakhand 4 August 2022 to till date.
- **Chairman**, Board of Study, ECED, G B Pant Engineering College, Pauri Garhwal from 28 Sep 2021 to till date
- **Member**, Board of Study, HNB Garhwal Central University, Srinagar, Uttarakhand from 1 Oct 2022 for two years.

- **Senior Member**, IEEE-Antenna and Propagation Society, Council on RFID since 2016.
- **Member**, **IEEE**–Antenna and Propagation Society, Council on RFID from 2012 to 2015.
- **Member**, **IEEE**–Communication Society from 2012 to 2015.
- **Member**, Board of Study, Uttarakhand Technical University, Dehradun
- **Member**, Board of Study, HNB Garhwal Central University, Srinagar, Uttarakhand
- **Member**, Board of Study, G B Pant Engineering College, Pauri Garhwal
- **Member**, Academic Council, G B Pant Engineering College, Pauri Garhwal
- **Member,** Editorial Board (EB), International Journal of RF and Microwave Computer-Aided Engineering, (**USA)**
- **External Examiner** for Evaluation of M. Tech. and PhD Thesis of various universities/Institute such UTU, Dehradun, Netaji Subhas Institute of Technology, Delhi, JNU, Delhi, JMI, Delhi, Thapar Institute of Technology etc.

AWARDS/HONORS

- **First prize of 'Governor's Award 2019** for best Research Paper awarded to the paper entitled "Tapered Fed Compact UWB MIMO-Diversity Antenna with Dual Band-Notched characteristics" by Rajbhawan, State of Uttarakhand.
- **Education leadership Awards 2018,** by Deewan Mehta National Education Awards, on 18 Sep 2018 at Renaissance Lucknow, Uttar Pradesh.
- Nominated by Hon'ble Vice Chancellor, Uttarakhand Technical University, Dehradun for **Shanti Swarup Bhatnagar Prize for Science & Technology** by CSIR Delhi year 2016-17.

AREA OF RESEARCH

Design and analysis of Microstrip Antenna, DGS Microstrip antennas, Ultrawide bandwidth (UWB) antennas, and Reconfigurable Antennas, Circularly Polarized antenna, MIMO/Massive MIMO antennas.

PH. D. UNDER SUPERVISION/CO-SUPERVISION

1. Ganga Prasad Pandey, **"Investigation of Radiation Properties of Tuneable Microstrip Antenna"** registered at Uttarakhand Technical University, Dehradun (UK) awarded on 2 Feb 2015.
2. Rakesh Kumar Maurya, **"Adaptive Neuro-Fuzzy Inference System for Analysis and Design of Microstrip Antenna"** Uttarakhand Technical University, Dehradun (UK) awarded on 17 September 2017. Enrolment: 10001002034
3. Richa Chandel, **"Design and Development of UWB and MIMO Antennas of Wireless Applications",** Department of Electronics & Communication Engineering, G B Pant Engineering College, Pauri Garhwal, Uttarakhand affiliated to Uttarakhand Technical University, Dehradun awarded on 19 Feb 2018. Enrolment: 130091002005
4. Swati Yadav, **"Design and Analysis of Band-notched Antennas for UWB and MIMO Applications",** Department of Electronics & Communication Engineering, G B Pant

Engineering College, Pauri Garhwal, Uttarakhand, awarded on 13 Apr 2018. Enrolment: 130091002007

5. Alaknanda, **"Design and Analysis of Planar Antennas for multiband Applications"**, Department of Electronics & Communication Engineering, G B Pant Engineering College, Pauri Garhwal, Uttarakhand awarded on 18 Aug 2018. Enrolment: 130091002002
6. Gagandeep Bharti, "**Design and Development of Dual Polarized and Circularly Polarized Dielectric Resonator Antenna for MIMO Applications"** Department of Electronics & Communication Engineering, Madan Mohan Technical University, Gorakhpur, awarded on 20 Jan 2022. Enrollment: 2017048006
7. Ajay Kumar, **"Design of Circularly Polarized Antenna for ISM RFID Application and MIMO antenna designs for 5G applications"** Department of Electronics & Communication Engineering, G B Pant Engineering College, Pauri Garhwal, Uttarakhand awarded on 21 March 2022. Enrolment: 130091002001

M TECH DISSERTATION SUPERVISED

1. Prateek Negi, ***"A Rectangular Shape Cloud Slot Microstrip MIMO Antenna"*** Department of Electronics & Comm. Engineering, G B Pant Engineering College, Pauri Garhwal, UK, Dec 2022.
2. Shivansh Shankar Atri, ***"Compact and Low-profile wearable planar Antenna for Body Area Network Applications"*** Department of Electronics & Comm. Engineering, G B Pant Engineering College, Pauri Garhwal, UK, Sep 2022.
3. Pallavi Chauhan, ***"A Hexagon Shape Microstrip MIMO Antenna"*** Department of Electronics & Comm. Engineering, G B Pant Engineering College, Pauri Garhwal, UK, Sep 2022.
4. Anshu, ***"Design of a Multiple Input Multiple Output Antenna for Sub-6 GHz Frequency For 5G Communication"*** Department of Electronics & Comm. Engineering, G B Pant Engineering College, Pauri Garhwal, UK, Dec 2021.
5. Mohd Farhan, ***"Design of a Compact Circularly Polarized Slotted Square Patch Antenna for 2.45-GHz RFID Mobile Readers",*** School of Information and Communication Technology, Gautam Buddha University, G. B. Nagar, (UP) INDIA, July 2018. Enrolment: 13/IEC/021
6. Geeta Singh, ***"Design of Corner truncated Circularly polarized Octagonal-shaped slot Antenna for RFID Application",*** School of Information and Communication Technology, Gautam Buddha University, G. B. Nagar, (UP) INDIA, July 2018. Enrolment: 13/IEC/011
7. Anjali Saini, ***"Design of a Compact Protrudent-shaped UWB MIMO-Diversity Antenna with Band-Notched Characteristics",*** School of Information and Communication

Technology, Gautam Buddha University, G. B. Nagar, (UP) INDIA, July 2018. Enrolment: 13/IEC/005

8. Himanshu Saini, **"A compact Slotted Triple-Band Microstrip antenna for WLAN and WIMAX Applications",** School of Information and Communication Technology, Gautam Buddha University, G. B. Nagar, (UP) INDIA, July 2017. Enrolment: 12/IEC/055
9. Dilip Kumar, **"Design of Circularly polarized Microstrip Patch Antenna with Koch fractal Geometry for GPS Applications",** School of Information and Communication Technology, Gautam Buddha University, G. B. Nagar, (UP) INDIA, July 2017. Enrolment: 12/IEC/068
10. Naipal Singh, **"Circularly Polarized Triangular-shaped Fractal Antenna for RFID Applications"** Department of Electronics & Comm. Engineering, G B Pant Engineering College, Pauri Garhwal, UK July 2016.
11. Deepti Chaudhary, **"Design of a Compact Circularly Polarized Antenna for RFID Application"**, Department of Electronics & Communication Engineering, G B Pant Engineering College, Pauri Garhwal, Uttarakhand July 2016.
12. Priyanka Garg, **"*Design of a Triple band slot antenna for WLAN/WiMAX bands suitable for MIMO application*",** Department of Electronics & Comm. Engineering, G B Pant Engineering College, Pauri Garhwal, UK, July 2016.
13. Akanskha Farswan, ***"Design of Koch Fractal Based Circularly Polarized Antenna for Handheld UHF RFID Reader Applications"*** Department of Electronics & Comm. Engineering, G B Pant Engineering College, Pauri Garhwal, UK July 2015.
14. Lalit Kumar, ***"Design of a Compact F-Shaped Slot Triple-Band Antenna for WLAN/WiMAX Applications"*** Department of Electronics & Communication Engineering, G B Pant Engineering College, Pauri Garhwal, Uttarakhand July 2015.
15. Pallavi Bartwal, ***"Design of Compact Uni-planar Antennas for GPS/WLAN/WiMAX Applications in Laptops/Tablets/PCMCIA Cards"*** Department of Electronics & Comm. Engineering, G B Pant Engineering College, Pauri Garhwal, UK, July 2015.
16. Reshu Saini, ***"Miniaturized Single Band-Notch with triangular cut Microstrip Antenna with Enhanced UWB Performance"*** Department of Electronics & Communication Engineering, G B Pant Engineering College, Pauri Garhwal, UK, July 2015.
17. Tarun Kumar, ***"A CPW-Fed Miniaturized Ultra-Wideband Antenna for Oil Pipeline Imaging Application"*** Department of Electronics & Communication Engineering, G B Pant Engineering College, Pauri Garhwal, UK, July 2015.
18. Neha Sharma, ***"Design of a Circularly Polarized Square Slot Microstrip Antenna for RFID Applications"*** Department of Electronics & Communication Engineering, G B Pant Engineering College, Pauri Garhwal, UK, July 2014.

19. Meenakshi Devi, ***"Design of a Compact Ultrawideband Antenna with Triple band-Notched Characteristics"*** Department of Electronics & Communication Engineering, G B Pant Engineering College, Pauri Garhwal, UK, July 2014.
20. Aditi Bisht, ***"Design of a Cup-Shaped Slotted UWB Antenna with Triple band-Notched Characteristics"*** Department of Electronics & Communication Engineering, G B Pant Engineering College, Pauri Garhwal, UK, July 2014.
21. Shalini Pradhan, ***"Design of a Defected Crescent-Shaped Microstrip Antenna for UWB Applications"*** Department of Electronics & Communication Engineering, G B Pant Engineering College, Pauri Garhwal, UK, July 2014.
22. Alaknanda, ***"Design of a Circularly Polarized Arrowhead Shape Slotted Microstrip Antenna"*** Department of Electronics & Communication Engineering, G B Pant Engineering College, Pauri Garhwal, Uttarakhand July 2013.
23. Swati Yadav, ***"Design of a CPW-Fed Compact UWB Microstrip Antenna"*** Department of Electronics & Communication Engineering, G B Pant Engineering College, Pauri Garhwal, Uttarakhand July 2013.
24. Richa Chandel, ***"Design of a CPW-Fed Hexagonal Shape Microstrip Antenna For UWB Applications"*** Department of Electronics & Communication Engineering, G B Pant Engineering College, Pauri Garhwal, Uttarakhand July 2013.
25. Indu, *"**Design of Dual Band-Notched Rectangular Monopole Antenna"*** Department of Electronics & Communication Engineering, G B Pant Engineering College, Pauri Garhwal, Uttarakhand July 2013.
26. Ajay Kumar, ***"Design of An Annular-Ring Slot Antenna for Circular Polarization Operation"*** Department of Electronics & Communication Engineering, G B Pant Engineering College, Pauri Garhwal, Uttarakhand July 2012.
27. Sudarshan Joshi, ***"Design of Quad Band 2×2 Planar Microstrip Array"*** Department of Electronics & Communication Engineering, G B Pant Engineering College, Pauri Garhwal, Uttarakhand July 2012.
28. Rohit Negi, ***"Analysis of Square ring microstrip antenna loaded with varactor diode"*** School of Electronics & Communication Engineering, Singhania University, Rajasthan June 2012.
29. Promod Benjwal, ***"Active microstrip antenna loaded with varactor diode for circular polarization"*** Department of Electronics & Communication Engineering, G B Pant Engineering College, Pauri Garhwal, Uttarakhand, July 2011.
30. Pependra Kumar, ***"Analysis of the medical Image using Clustering Algorithms through Segmentation Process"*** Department of Electronics & Communication Engineering, G B Pant Engineering College, Pauri Garhwal, Uttarakhand, July 2011.

31. Bharat Pal Singh, ***"Image processing in Remote Sensing"*** Department of Electronics & Communication Engineering, G B Pant Engineering College, Pauri Garhwal, Uttarakhand, July 2011.
32. Vinay Mohan, ***"Design of wideband Microstrip Antenna for WLAN"***, Department of Electronics & Communication Engineering, G B Pant Engineering College, Pauri Garhwal, Uttarakhand July 2010.

LIST OF PUBLICATION: INTERNATIONAL/NATIONAL JOURNALS

1. Mohd Sazid, Niraj Agrawal, M R Nagar, NS Raghava, **A K Gautam**, AN Ghazali" A compact, flexible and transparent UWB bandpass filter with silver nanowires, ***AEU-International Journal of Electronics and Communications,*** Vol. 167, 2023, 154673, ISSN 1434-8411, https://doi.org/10.1016/j.aeue.2023.154673.
2. S Rana, J Verma, **A K Gautam**, "A Wideband Circularly Polarized CPW-Fed Diamond Shape Microstrip Antenna for WLAN/WiMAX Applications", **Progress In Electromagnetics Research C,** vol. 131, pp. 25-33, 2023.

Year: 2022

3. Niraj Agrawal, **A K Gautam**, Karumudi Rambabu, "Design and Analysis of Broadband Circularly Polarized Compact Planar Antenna for 2.45 GHz RFID Handheld Reader Applications", ***International Journal of Microwave and Wireless Technologies, (Cambridge University Press),2022***. DOI: https://doi.org/10.1017/S1759078722001118
4. Vinay Mohan, Niraj Agrawal, **A K Gautam**, V M Kapse, A Sazid and NZ Rizvi, "*Enabling Highly-efficient OLED with Solution processed nanocrystalline Copper phthalocyanine Injection/transport Layer*", Semiconductor Science and Technology , Vol. 37, No. 9, 2022 pp. 095012, ISSN 0268-1242 (Impact factor: 2.352). https://dx.doi.org/10.1088/1361-6641/ac6cff
5. Ajay Kumar, Richa Gupta, Sakshi Rajput, K S Bhatia, H Kaur, **A. K. Gautam**, Narrow Beamwidth Conical Dielectric Resonator Antenna, **Journal of Optoelectronics and Advanced Materials,** Vol. 24, No. 3-4, 2022, P. 175-186. ISSN 1841 – 7132

Year: 2021

6. Ajay Kumar and **A. K. Gautam**, Design of key-shaped Broad band circularly polarized planar Antenna for ISM RFID Application, **Journal of Xi'an University of Architecture and Technology,** Vol. 13, No. 10, 2021, pp. 328-334. ISSN 1006–7930. https://doi.org/10.37896/JXAT13.10/313932
7. Ajay Kumar and **A. K. Gautam**, Circularly Polarized Ring-shaped Planar Antenna for ISM RFID Application, **Journal of Xi'an University of Architecture and Technology,** Vol. 13, No. 11, 2021, pp. 116-122. ISSN 1006 – 7930. https://doi.org/10.37896/JXAT13.11/314111

8. Manoj Sharma, **Anil Kumar Gautam**, Niraj Agrawal, Neeta Singh, "Design of MIMO planar antenna at 24 GHz band for radar, communication and sensors applications", ***AEU-International Journal of Electronics and Communications***, Vol. 136, 2021, 153747, ISSN 1434-8411, https://doi.org/10.1016/j.aeue.2021.153747.
9. Niraj Agrawal, **A K Gautam**, Rajesh Mishra, "Design of Low Volume Circularly Polarized Annular Ring-shaped Planar Antenna for GPS Applications" ***International Journal of RF and Microwave Computer-Aided Engineering,*** Wiley pp. e22698 January, 2021. https://doi: 10.1002/mmce.22698 (Impact factor: 1.69).
10. Pankaj Kumar, Niraj Agrawal, **A K Gautam**, S K Sharma and S D Chaudhary, "Highly-efficient OLED with Caesium Fluoride Electron Injection Layer", **Solid state electronics (Elsevier)**, vol. 183, pp. 108031, 2021. https://doi: https://doi.org/10.1016/j.sse.2021.108031 (Impact factor: 1.920).
11. P K Keshri, Richa Chandel, S Sahu, and **A K Gautam**, "Compact Quad-Port High Performance UWB MIMO/Diversity Antenna with Slotted Ground Structure," ***Progress In Electromagnetics Research-C***, Vol. 112, pp. 193-205, 2021. doi:10.2528/PIERC21030402

Year: 2020

12. G D Bharti, D Kumar, A **K Gautam**, A Sharma, "Two-port dual-band circularly polarized dielectric resonator-based MIMO antenna with polarization diversity", ***Electromagnetics,*** Vol 40, no. 7, pp. 463– 478, 2020. https://doi.org/10.1080/02726343.2020.1821330
13. Vinay Mohan, **A K Gautam**, S D Chaudhary, M K Mariam Bee, R. Puviarasi, S Saranya and Niraj Agrawal'', "Enhanced Performance Organic Light Emitting Diode with CuI:CuPC Composite Hole Transport Layer," in ***IEEE Transactions on Nanotechnology***, vol. 19, pp. 699-703, 2020, https://doi: 10.1109/TNANO.2020.3019096.
14. Niraj Agrawal, **A K Gautam**, Karumudi Rambabu, "Design of Single-Fed Spiral-Shaped Slotted Planar Antenna for GPS L2 and L5 Applications", ***IET Microwave, Antennas and Propagation,*** vol. 14, no. 15, pp. 1947-1951, 2020. https://doi: 10.1049/iet-map.2019.1153 (Impact factor: 2.02).
15. Manoj Sharma, **A K Gautam**, Niraj Agrawal, and Neeta Singh, "Design of an Antipodal Balanced Taper-fed Broadband Planar Antenna for 5G and Remote Sensing Satellite Link Applications" ***AEU-International Journal of Electronics and Communications, (Elsevier)***, Vol 123, 2020, 153292, ISSN 1434-8411. https://doi.org/10.1016/j.aeue.2020.153292
16. Niraj Agrawal, **A K Gautam**, Rajesh Mishra, Vijay Pandey, "Design and Packaging of dual-band and dual-polarized planar antenna for automotive applications", **Microwaves and Optical Technology Letters, USA**, Vol 62, 2020, pp. 3215–3224. DOI:10.1002/mop.32426

17. Niraj Agrawal, **A K Gautam**, and K Rambabu, "Design and packaging of Multi-Polarized Triple-Band Antenna for automotive Applications", ***AEU-International Journal of Electronics and Communications, (Elsevier)***, Vol 113, 2020, 152943, ISSN 1434-8411, https://doi.org/10.1016/j.aeue.2019.152943.
18. G D Bharti, D Kumar, **AK Gautam**, A Sharma, "Two-port ring-shaped dielectric resonator based diversity radiator with dual-band and dual-polarized features", ***Microwave and Optical Technology Letters (USA),*** Vol 62, 2020, pp. 581– 588. https://doi.org/10.1002/mop. 32053
19. Pankaj Kumar, N Agrawal, S D Chaudhary and **A K Gautam**, "Highly-Efficient Solution Processed Yellow Organic Light Emitting Diode with Tungsten Trioxide Hole Injection/Transport Layer," in ***IEEE Transactions on Nanotechnology***, vol. 19, pp. 61-66, 2020, https://doi: 10.1109/TNANO.2019.2959884.

Year: 2019

20. R K. Maurya, B. K. Kanaujia, **A. K. Gautam**, S. Chatterji and A. K. Singh, "Circularly Polarized Hexagonal Ring Microstrip Patch Antenna with Asymmetrical Feed and DGS", ***Microwave and Optical Technology Letters (USA),*** Vol. 62, No. 1, Dec 2019, pp 1702– 1708 DOI:10.1002/mop.32220
21. **A K Gautam**, Mohd. Farhan, Niraj Agrawal, K Rambabu, "Design of a Compact Circularly Polarized Slotted Square Patch Antenna for 2.45-GHz RFID Mobile Readers", **IET Microwave, Antennas and Propagation**, vol. 13, no. 13, pp. 2310-2314, 30 10 2019, doi: 10.1049/iet-map.2019.0261.
22. **A K Gautam**, Anjali Saini, Niraj Agrawal, N Z Rizvi, "Design of a Compact Protrudent-shaped UWB MIMO-Diversity Antenna with Band-Notched Characteristics", ***International Journal of RF and Microwave Computer-Aided Engineering,*** vol. 29, no. 9, pp. e21829, 2019. https://doi: 10.1002/mmce.201829 (Impact factor: 1.69).
23. Alaknanda Kunwar, **A K Gautam,** B K Kanaujia and K Rambabu, "Circularly Polarized D-Shaped Slot Antenna for Wireless Applications***" International Journal of RF and Microwave Computer-Aided Engineering,*** Wiley 2019; 29: e21498. https://doi.org/10.1002/mmce.21498

Year: 2018

24. Tanvi Dabas, D Gangwar, B K Kanaujia, **A K Gautam**, "Mutual coupling reduction between elements of UWB MIMO antenna using small size uniplanar EBG exhibiting multiple stop bands", **AEU-International Journal of Electronics and Communications,** Vol. 93, Pp. 32-38, Sept 2018. ISSN 1434-8411, https://doi.org/10.1016/j.aeue.2018.05.033
25. Tanvi Dabas, B K Kanaujia, Deepak Gangwar, **A K Gautam** and K Rambabu, "Design of Multi-band Multipolarised Single Feed Patch Antenna" ***IET Microwaves, Antennas &***

Propagation, Vol. 12, Issue 15 Pp. 2372-2378, Aug 2018. doi: 10.1049/iet-map.2018.5401. ISSN: 1751-8733

26. **A K Gautam,** Swati Yadav, and K Rambabu, "Design of Ultra Compact Dual Band-Notched UWB Antenna for MIMO Applications", ***IET Microwave, Antenna and Propagation,*** Vol 12 Issue 12, Pp. 1895-1900, 08 May 2018. DOI: 10.1049/iet-map.2018.0012 ISSN: 1751-8733
27. Richa Chandel, **A K Gautam** and K Rambabu, "Design and Packaging of an Eye Shaped Multiple Input Multiple Output Antenna with High Isolation for Wireless UWB Applications", ***IEEE Transaction on Components, Packaging and Manufacturing Technology, (USA),*** Vol. 8 No. 4, pp. 635-642, Apr 2018. DOI 10.1109/TCPMT.2018 .28 06562.
28. Richa Chandel, **A K Gautam** and K Rambabu, "Tapered Fed Compact UWB MIMO-Diversity Antenna with Dual Band-Notched characteristics", ***IEEE Transaction on Antennas and Propagation,*** Vol. 66 No. 04, pp. 1677-1684, Apr. 2018.DOI 10.1109/TAP.2018.2803134, ISSN No.: 1558-2221

Year: 2017

29. S Kumar, B K Kanaujia, S Dwari, GP Pandey, D K Singh and **A K Gautam**, " Design and Analysis of Low Noise Optimization Amplifier Using Reconfigurable Slotted Patch Antenna", ***Wireless Personal Communications, Springer,*** Vol. 97, No. 4, pp 5185–5200, Dec 2017. DOI: doi.org/10.1007/s11277-017-4774-2
30. M K Khandelwal, B K Kanaujia, S Kumar, **A. K. Gautam**, "Miniaturization of DNG metamaterial", ***Microwave and Optical Technology Letters (USA),*** Vol. 59, No. 4, Apr. 2017, pp. 862–865. DOI 10.1002/mop.30412
31. Alaknanda Kunwar, A **K Gautam** and K Rambabu, **"**Design of a compact U-shaped slot triple band antenna for WLAN/WiMAX applications**," AEU-*International Journal of Electronics and Communications, (Elsevier),*** Vol. 71, Jan 2017, PP 82-88. doi.org/10.1016/j.aeue. 2016.10.013
32. Sandeep Kumar, B K Kanaujia, M K Khandelwal, and **A K Gautam**, "Single-Feed Superstrate Loaded Circularly Polarized Microstrip Antenna for Wireless Applications," ***Wireless Personal Communications, Springer, Netherlands***, Volume 92, No. 4, pp 1333–1346, Feb 2017. https://doi.org/10.1007/s11277-016-3608-y
33. Alaknanda Kunwar and **A K Gautam,** "Fork-Shaped Microstrip Antenna for Bluetooth, WLAN and WiMAX Applications," ***International Journal of Microwave and Wireless Technologies, (Cambridge University Press),*** 2017, Vol. *9, No.* 4, pp. 859-864. doi:10.1017/S1759078716000647
34. Alaknanda Kunwar, **A K Gautam** and B K Kanaujia, "Inverted L-Slot Triple Band Antenna with Defected Ground Structure for WLAN and WiMAX Applications", ***International***

Journal of Microwave and Wireless Technologies, (Cambridge University Press), 2017, Vol. 9, no. 1, pp. 191–196. DOI: 10.1017/S1759078715001105.

35. Richa Chandel, **A K Gautam** and B K Kanujia, "A Compact Rhombus Slot Antenna Fed by Microstrip-Line for UWB Applications***," International Journal of Microwave and Wireless Technologies, (Cambridge University Press)***, vol. 9, No. 2, 403–409, 2017. Doi: 10.1017/ S1759078715001646
36. Swati Yadav, **A K Gautam** and B K Kanaujia, "Design of dual band-notched lamp-shaped antenna with UWB characteristics", ***International Journal of Microwave and Wireless Technologies, (Cambridge University Press)***, vol. 9, No. 2, pp. 395-402, Nov. 2015. Doi: 10.1017/S1759078715001609

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vi.	Switching Theory and Logic Design	S. K. Kataria & Sons, New Delhi (India) ISBN: 81-88458-30-9
vii.	Microprocessors & Applications,	S. K. Kataria & Sons, New Delhi (India) ISBN: 9788188459139
viii.	Antenna and Wave Propagation,	S. K. Kataria & Sons, New Delhi (India) ISBN 9788188458042
ix.	Pulse & Digital Electronics,	S. K. Kataria & Sons, New Delhi (India) ISBN 8188458937
x.	Microwave & Radar Engineering,	S. K. Kataria & Sons, New Delhi (India) ISBN: 818845818X
xi.	Digital Electronics	S. K. Kataria & Sons, New Delhi (India) ISBN 978-93-80027-88-3
xii.	Antenna, wave propagation & Television Engineering	S. K. Kataria & Sons, New Delhi (India) ISBN 978-93-5014-154-0
Xiii	Digital Electronics	Khanna Book Publishing Co. (P) Ltd. ISBN 978-93-81068-91-5
Xiv	Advance Microprocessor	Khanna Book Publishing Co. (P) Ltd. ISBN 978-93-81068-92-2

Reviewer

1. IEEE transactions on Antenna and wave Propagation (USA)
2. IEEE transactions on Microwave Theory and Techniques (USA)
3. IEEE Antenna and wave Propagation Letters (USA)

4. IEEE transactions on Microwave Theory and Techniques Letters (USA)
5. AEU- International Journal of Electronics and Communications, (Elsevier)
6. IET Microwave, Antenna and Propagation (UK)
7. IET Electronics Letters (UK)
8. International Journal of Electronics (UK)
9. Personal and wireless communication, Springer, (Netherland)
10. International Journal of RF and Microwave Computer-Aided Engineering, (USA)
11. Microwave and Optical Technology Letters (USA)
12. International Journal of Antenna and Propagation, (Singapore)
13. International Journal of Microwave and Wireless Technologies (UK)
14. Institution of Electronics and Telecomm Engineers, Technical Review (UK)
15. Journal of RF-Engineering and Telecommunications, (Berlin)
16. Journal of Electromagnetic Waves and Applications, Taylor & Francis (UK)
17. International Journal of Radio Science and Physics & Francis (UK)
18. Frequenz journal

SPONSERED PROJECT

1. Rs. 0.93 Lacks funded by AICTE ATAL academy to conduct one-week online faculty development program on ***"Antenna: Design, Fabrication and Measurement"*** from Aug 02-06, 2021.

FDP/WORKSHOPS/STC/CONFERENCE ORGANIZED

1. Convener, one-week online faculty development program on ***"Recent Trends in Optoelectronics and Optical Communications"*** sponsored by AICTE ATAL academy and organized by Department of Electronics and communication Engineering, G B Pant Institute of Engineering and Technology, Pauri Garhwal (UK) from 15-19, Nov 2021.
2. Convenor, one-week online faculty development program on ***"Devices and Circuits for Next-Generation Computing Architectures"*** sponsored by AICTE ATAL academy and organized by Department of Electronics and communication Engineering, G B Pant Institute of Engineering and Technology, Pauri Garhwal (UK) from 25-29, Oct 2021.
3. Coordinator, one-week online faculty development program on ***"Antenna: Design, Fabrication and Measurement"*** sponsored by AICTE ATAL academy and organized by Department of Electronics and communication Engineering, G B Pant Institute of Engineering and Technology, Pauri Garhwal (UK) from Aug 02-06, 2021.
4. Convener, one-week online faculty development program on ***"Information and Communication Technology (ICT) Tools for Teaching/Learning"*** *sponsored by TEQIP-III and* organized as Department of Electronics and communication Engineering, G B Pant Institute of Engineering and Technology, Pauri Garhwal (UK) from Dec 14-18, 2020.

5. Convener, two-week online faculty development program on ***"Recent research trends on Electronics and Communication Engineering"*** *sponsored by TEQIP-III and* organized as Department of Electronics and communication Engineering, G B Pant Institute of Engineering and Technology, Pauri Garhwal (UK) from Aug 18-28, 2020.
6. Technical Program Chair of International conference on **"Smart, Machine Intelligence and real time (SMART) Computing-2020**, hosted by G B Pant Institute of Engineering and Technology, Pauri Garhwal (UK), sponsored by TEQIP-III from **26-27 June, 2020.**
7. Convener, one-week workshop on ***"Antenna: Design, fabrication and Measurement Technologies"*** *sponsored by TEQIP-III and* organized as Department of Electronics and communication Engineering, G B Pant Institute of Engineering and Technology, Pauri Garhwal (UK) from Nov 25-29, 2019.
8. Convener, one-week Short-term Course on ***"FPGA and Mentor Graphics Tools"*** *sponsored by TEQIP-III and* organized as Department of Electronics and communication Engineering, G B Pant Institute of Engineering and Technology, Pauri Garhwal (UK) from October 10-14, 2019.

FDP/WORKSHOPS/ORIENTATION COURSE ATTENDED

1. Online **orientation training programme for mentors** organized by AICTE under National Initiative for Technical Teachers Training from 01 Feb-05 Feb 2021.
2. TEQIP-II sponsored ***"Management Capacity Enhancement Programme for Administrator"*** held during Jan 13-17, 2014 at Indian Institute of Management, Lucknow (Noida Campus).
3. AICTE recognized Short Term Programme on ***"Induction Training Programme through ICT"*** conducted by National Institute of Technical Teachers Training and Research (Ministry of HRD, Government of India), Chandigarh, India from July 8-12, 2013 at G B Pant Engineering College, Pauri.
4. Workshop on ***"Advanced Antenna Technology" 2013 IEEE Indian Antenna week (IAW)",*** organized by IEEE AP-MTT Calcutta Chapter at Hyatt Regency Kolkata, **India in association of MIT, Aurangabad** from June 03-07, 2013 at Welcomhotel Rama International, Aurangabad.
5. Workshop on ***"Effective Teaching through Case Study Methodology"*** conducted by Department of Management Studies from March 22-24, 2013 at Indian Institute of Technology, Delhi.
6. Faculty Development Programme on ***"Signal Processing and Communication engineering with emphasis on hands-on lab exercises"*** conducted at Ambedkar Institute of Technology, New Delhi India, of two weeks duration from 27th January 2009 to 07th February 2009.

7. Short Term Training Programme on ***"$L^{A}T_{E}X$"*** conducted by the Centre for Bioinformatics, School of Biotechnology, from February 28-March 05, 2005 at, Faculty of Science, Banaras Hindu University, Varanasi, India.
8. Short Term Programme on ***"Induction Programme for Faculty of Engineering College"*** conducted by the Education & Educational Management Department from December 9-20, 2002 at National Institute of Technical Teachers Training and Research (Ministry of HRD, Government of India), Chandigarh, India.

CONFERENCE ATTENDED

1. As Technical Session Chair 3rd International Conference on Electrical and Electronics Engineering (ICEEE-2022) organized by Aurel Vlaicu University of Arad, Romania on 09.01.2022.
2. As Technical Session Chair 2021 IEEE IAS 6th International Conference on Computing, Communication and Automation **(ICCCA),** organized by Aurel Vlaicu University of Arad, Romania on 19.12.2021.
3. As Technical Session Chair 2020 IEEE International Conference on Computing, Communication and Automation **(ICCCA),** Jointly organized by Galgotia University, India and Aurel Vlaicu University of Arad, Romania on 31.10.2020.
4. As Technical Session Chair2021 IEEE International Conference on Computing, Power and Communication Technologies **(GUCON-2021),** hosted by University of Kuala Lumpur 7, Jalan Kerinchi, Bangsar South, 59200 Kuala Lumpur, Wilayah Persekutuan Kuala Lumpur, Malaysia on 26.09.2021
5. Participated in International Conference on **Digital Pedagogies**, organized by JIS Group Educational Initiatives, Kolkata at AICTE, New Delhi, India April 1-2, 2019,
6. As a Keynote Speaker and Technical Session Chair, International Conference on **Advancement in Technologies & its applications in Current Era**, hosted by Bipin Tripathi Kumaon Institute of Technology, Dwarahat, Almora, sponsored by TEQIP-III from **06-07 April, 2018.**
7. As Technical Session Chair, **International Conference on Innovations in Control, Communication and Information Systems (ICICCI-2017),** hosted by United College of Engineering and Research, Greater Noida technically co-sponsored by IEEE UP Section, in association with Asian Institute of Technology, Bangkok, Thailand on 12.8.2017
8. As Technical Session Chair, IEEE sponsored 7th International Conference "**Confluence 2017-** themed on **Cloud Computing and Big Data** organized by **Department of CSE,** Amity School of Engineering and Technology, Amity University, Uttar Pradesh in collaboration with EMC Corporation from 12th -13th January, 2017.

9. As Technical Session Chair, IEEE International Conference on **Advances in Computing, Communication and Automation** (ICACCA -2016) organized by Tula's Institute, Dehradun 20 April 2016.
10. Symposium *"**IEEE Applied Electromagnetic Conference (AEMC) 2015**",* Dec 18-21, 2015 organized by IIT Guwahati and Kolkata Chapter of IEEE AP/MTT at Indian Institute of Guwahati, **India**.
11. Chief Guest in seminar on ***"Role of Electronics in Automation & Biomedical Engineering"*** on Oct 31, 2015 conducted by Department of Electronics and Communication Engineering at SRMS University, Bareilly, UP.
12. Technical Session Chair, symposium ***"Research and innovation in Electronics and Communication engineering"*** organized by Noida Institute of Engineering and Technology, Greater Noida, 10 Oct 2014.
13. Symposium *"**2012 IEEE Asia-Pacific Conference on Antennas and Propagation (APCAP2012),*** August 27-29, 2012 organized by Institute for Info-comm. Research and Nanyang Technological University**, Singapore**. (Paper presented)
14. Symposium ***"2012 IEEE International Conference on Communication, Devices and intelligent Systems (CODIS)"***, December 28-29, 2012 organized by IEEE Communications Society (COMSOC) Kolkata Chapter at Jadavpur University, Kolkata, **India**. (Paper presented)
15. Symposium *"**IEEE Applied Electromagnetic Conference (AEMC) and 2011 IEEE Indian Antenna week (IAW)**",* December 18-22, 2011 organized by IEEE AP-MTT Calcutta Chapter at Hyatt Regency Kolkata, **India**. (Paper presented)
16. Symposium ***"Electro-2005 Emerging Trends in Electronics"*** Feb 3-5, 2005 organized by Department of Electronics Engineering, Institute of Technology, Banaras Hindu University, Varanasi, India. (Paper presented)

RESOURCE PERSON/EXPERT LECTURE/TALK

1. Delivered an expert lecture on "Technological concepts and design consideration of circularly polarized antennas for automotive applications" in the One Week Faculty Development Program on ***"Antenna Design and Microwave Applications"*** from August 23–27, 2021, organized by the Department of Electronics Engineering, Harcourt Butler Technical University, Kanpur.
2. Delivered expert talk on Circularly Polarised antennas for Automotive Applications and Contributed as Resource Person in AICTE Training and Learning (ATAL) Academy Online Elementary FDP on **"Modern Antenna Technologies for Futuristic Wireless Communication Systems"** at Guru Jambheshwar University of Science and Technology, Hisar, Haryana-125001 from 20/08/2021 to 24/08/2021.

3. Delivered expert talk on Introduction to Microstrip Antenna and Contributed as Resource Person in AICTE Training and Learning (ATAL) Academy Online Elementary FDP on ***"Antenna: Design, Fabrication and Measurement"*** at Department of Electronics and communication Engineering, G B Pant Institute of Engineering and Technology, Pauri Garhwal (UK) from Aug 02-06, 2021.
4. Delivered expert talk on "Circularly Polarized Antennas for Automotive Applications" and contributed as resource person in AICTE-MHDR sponsored Online Short-Term Training Programme (STTP) on ***"Design and Simulation of Miniature Antennas for IoT Applications-DSMAIA-2020"*** organized by Department of Electronics & Telecommunication Engineering, MGVR Engineering College (Autonomous), Vizianagaram from 23rd November, 2020 to 28th November, 2020.
5. Contributed as resource person in two-week online faculty development program on ***"Recent research trends on Electronics and Communication Engineering"*** *sponsored by TEQIP-III and* organized as Department of Electronics and communication Engineering, G B Pant Institute of Engineering and Technology, Pauri Garhwal (UK) from Aug 18-28, 2020.
6. Keynote talk on Design of Broadband Planar Antenna for future 5G and Remote Sensing Satellite Link Applications in International Conference on on **"Smart, Machine Intelligence and real time (SMART) Computing-2020**, hosted by G B Pant Institute of Engineering and Technology, Pauri Garhwal (UK), sponsored by TEQIP-III from **26-27 June, 2020.**
7. Delivered expert talk on CP antennas for Automotive Applications at one-week Faculty Development Program on ***"Recent Advances in RF and Microwave Engineering"*** sponsored by TEQIP-III and organized as Department of Electronics and Telecommunication Engineering, Jabalpur Engineering College, Jabalpur (MP) from Feb 03-07, 2020.
8. Delivered expert talk on MIMO antennas design at one-week Faculty Development Program on ***"Recent Advances in RF and Microwave Engineering"*** sponsored by TEQIP-III and organized as Department of Electronics and Telecommunication Engineering, Jabalpur Engineering College, Jabalpur (MP) from Feb 03-07, 2020.
9. Contributed as a resource person in two-days' workshop on ***"Latex and Research Writing"*** under the aegis of TEQIP-III sponsored by Uttarakhand Technical University, Dehradun and organized as Department of Electronics and communication Engineering, Tula's Institute, Dehradun (UK) from Dec 20-21, 2019.
10. Delivered expert talk on Microstrip antennas at one-week workshop on ***"Antenna: Design, fabrication and Measurement Technologies"*** sponsored by TEQIP-III and organized as

Department of Electronics and communication Engineering, G B Pant Institute of Engineering and Technology, Pauri Garhwal (UK) from Nov 25-29, 2019.

11. Delivered expert talk on Modus Operandi to Prepare Research Manuscripts for Quality Publications at One Week Workshop on "***Antenna Design, Fabrication and Analysis"*** organised by Department of Electronics and Communication Engineering, Institute of Technology, Gopeshwar, Chamoli, Uttarakhand on 15th October 2019.
12. Delivered invited talk on **Antenna Designs for Automotive Applications** at One Week Workshop on "***Antenna Design, Fabrication and Analysis"*** organised by Department of Electronics and Communication Engineering, Institute of Technology, Gopeshwar on 16th October 2019.
13. Deliver invited Lecture on **Antenna Designs for Automotive Applications** at short term course on "***Antenna Design and Fabrication and Analysis"*** organised by Department of Electronics and Communication Engineering, THDC-Institute of Hydropower Engineering and Technology, Tehri on 4th September 2019.
14. Deliver invited talk on Design of multi polarized antennas for Automotive applications at national seminar on ***"Microwave & Millimeter Wave Technology"*** on 30 march, 2019 organized by The Institution of Engineers (India), Bareilly local Center in association with Department of Electronics and Communication Engineering at SRMS University, Bareilly, UP.
15. Deliver two session on Power of Latex in preparing research publications at a five days short term course on **"Recent Tools and Techniques for Research"** organized by department of Industrial and Production Engineering, NIT Jalandhar in association with deptt. of Mechanical Engineering, Govt. Women Engineering College, Ajmer on 25 January 2019.
16. Deliver two sessions expert talk on Trends in Antenna Design for Automotive-Oriented Mobile Telecommunication Services at one-week Faculty Development Programme-(TEQIP-III), **Emerging Trends in Antenna Design and Communication Technologies, ETADCT (2018)** organized by Galgotias College of Engineering and Technology, Greater Noida, on 16-20, July, 2018.
17. Keynote talk on "Design and analysis of Ultrawide-band monopole antennas" in International Conference on **Advancement in Technologies & its applications in Current Era**, hosted by Bipin Tripathi Kumaon Institute of Technology, Dwarahat, Almora, sponsored by TEQIP-III from **06-07 April, 2018**
18. Expert lecture on "Design and analysis of Ultrawide-band antennas." at **GL Bajaj Institute of Technology and Management**, Greater Noida, on 28 Feb 2018.

19. **Techniques to Prepare Good Quality Research Manuscripts** at 5-days Faculty Development program on ***"Advance in Communication and Networking"*** organized by Galgotias College of Engineering and Technology, Greater Noida, on 21 July 2017.
20. **Microwave Antenna Design** at National symposium on ***"Emerging Microwave Remote Sensing Technology for Rural Application"*** organized by Galgotias College of Engineering and Technology, Greater Noida, on 31 March 2017.
21. **How to use L^AT_EX for research papers** at National Workshop on ***"Use of ICT and e-Education tools: Techniques in Higher Education and Research"*** organized by Km. Mayawati Rajkiya Mahila postgraduate Degree College, Badalpur, Greater Noida, on 27 Feb 2017.
22. **How to write research papers** at Short term training program on ***"Research techniques in Information and Communication Technology"*** organized by School of ICT, Gautam Buddha University, Greater Noida, from 30th Jan to 4 Feb 2017.
23. **L^AT_EX** at One day Workshop on ***L^AT_EX*** organized by School of ICT, Gautam Buddha University, Greater Noida, from 06 Oct 2016.
24. **Laptop/tablet antennas** at seminar on ***"Role of Electronics in Automation & Biomedical Engineering"*** on Oct 31, 2015 conducted by Department of Electronics and Communication Engineering at SRMS University, Bareilly, UP.
25. **Wide Band Microstrip Patch Antenna using Meta-materials** at TEQIP sponsored workshop on ***"Wireless Communication & Sensors"*** from 27th Jan 2015 (Tuesday) to 30th Jan 2015 (Friday) conducted by Department of Electronics and Communication Engineering at SET, IFTM University, Moradabad.
26. **Design of Ultrawide band antenna** at National conference on ***"Research and innovation in Electronics and Communication engineering"*** organized by Noida Institute of Engineering and Technology, Greater Noida, from 10 to 11 Oct 2014.
27. **Cell Phone/ Tower Radiation Hazards and Solutions** at TEQIP sponsored Short term Course on ***"Information Technology and its impact on Society"*** from August 26-30, 2013 conducted by Department of Computer Science and Engineering at G B Pant Engineering College, Pauri.

Prof. A K Gautam