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ORCID:0000-0002-2889-4275 PUBLONS:I-9311-2017 IEEE:91250146 SCHOLAR:sJZHi6cAAAAI

M. Tech. 2009-2011 Electronic & Communication Engineering, Harcourt Butler Technological Institute (HBTI) Kanpur (UP), India, with an aggregate of 67.55%. Thesis Title: "Generalized One Dimentional Optical Orthogonal Coding Scheme for CDMA Systems with its Grouping and Performance Analysis". B. Tech. 2004-2008 Electronics & Communication Engineering, University Institute of Engineering and Technology (UIET), CSJMU Kanpur (UP), India, with an aggregate of 62.00%. 2004 Mathematics, Biology, Physics, Chemistry, and English; Kendriya Vidyalaya (CBSE), with an
Electronics & Communication Engineering, University Institute of Engineering and Technology (UIET), CSJMU Kanpur (UP), India, with an aggregate of 62.00%. 12 (AISSCE)
aggregate of 58.40%.
10 (AISSE) Mathematics, Science, Social Studies, Hindi, and English; <i>Kendriya Vidyalaya (CBSE)</i> , with an aggregate of 67.40%.
Wireless Sensor Networks (WSNs), Energy efficient WSN Localization, Wireless Communication, CDMA, IDMA, Brain Wave Mapping
MATLAB, • LabVIEW, • LTspice, • Arduino IDE/PlatformIO, • CST Studio, • KicAD, • LaTeX (pgfplots/tikz/beamer), • Gnuplot, • Word/Excel, LibreOffice, • Photoshop/Corel Draw/Inkscape/GIMP, • Blender, • Github, • Web design: Github pages, Jekyll, hosting and server management, WordPress, (Designed and hosted conference (vcas2018) website at MNNIT ECED, online at munit.ac.in/vcas2018), • Python (tkinter/kivy) (Designed GUI based hotspot software online at fwh.mgeek.in), (Form filler software online at formhelper.mgeek.in), and • Linux, Terminal, and Windows.
Assistant Professor ECED, Naraina College of Engineering and Technology, Kanpur, UP. Assistant Professor ECED, Allehnouse Institute of Technology, Kanpur, UP.
 J1] P. R. Gautam, S. Kumar, A. Verma, T. Rashid, et al., "Energy-efficient localization of sensor nodes in WSNs using beacons from rotating directional antenna," <i>IEEE Transactions on Industrial Informatics</i>, vol. 15, no. 11, pp. 5827–5836, Nov. 2019. DOI: 10.1109/tii.2019. 2908437 issn 0278-0046 Impact Factor: 10.215
Mag WW W I I I I I I I I I I I I I I I I I

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- [J3] A. Verma, S. Kumar, P. R. Gautam, and A. Kumar, "Fuzzy logic based effective clustering of homogeneous wireless sensor networks for mobile sink," IEEE Sensors Journal, vol. 20, no. 10, pp. 5615-5623, May 2020. DOI: 10.1109/jsen.2020.2969697 issn 1530-437X Impact **Factor: 3.301**
- [J4] A. Verma, S. Kumar, P. R. Gautam, and A. Kumar, "Neural-fuzzy based effective clustering for large-scale wireless sensor networks with mobile sink," Peer-to-Peer Networking and

- Applications, Jun. 2021. DOI: 10.1007/s12083-021-01167-6 issn 1936-6450 Impact Factor: 3.307
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- [J14] T. Rashid, S. Kumar, A. Verma, P. R. Gautam, et al., "RB-IEMRP: RELAY BASED IM-PROVED THROUGHPUT ENERGY-EFFICIENT MULTI-HOP ROUTING PROTOCOL FOR INTRA BODY SENSOR NETWORK (INTRA-WBSN)," International Journal of Computer Networks & Communications, vol. 11, no. 02, pp. 69–82, Mar. 2019. DOI: 10.5121/ijcnc. 2019.11205 issn 0974-9322 Scopus
- [J15] R. C. S. Chauhan, A. Kumar, and P. R. Gautam, "Optical orthogonal code generation scheme and grouping of codes for optical CDMA systems," International Journal of System Assurance Engineering and Management, vol. 12, no. 1, pp. 91–103, 1 Jun. 2020. DOI: 10.1007/s13198-020-01007-5 issn 0976-4348
- [C1] P. R. Gautam, S. Kumar, A. Verma, and A. Kumar, "Localization of sensor nodes in WSNs using three dimensional angle of arrival detection at BS," in 2019 International Conference on Electrical, Electronics and Computer Engineering (UPCON), ZHCET, AMU, Aligarh: IEEE, Nov. 2019, pp. 1–4. DOI: 10.1109/upcon47278.2019.8980262 isbn: 9781728134550 issn 2687-7767
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- [C3] P. R. Gautam, S. Kumar, and A. Kumar, "Sensor localization in wsns using rotating directional antenna at the base station," in Advances in VLSI, Communication, and Signal Processing, ser. Lecture Notes in Electrical Engineering, vol. 683, Motilal Nehru National Institute of Technology, Allahabad: Springer, Oct. 2020, pp. 705–718. DOI: 10.1007/978-981-15-6840-4_58 isbn: 978-981-15-6839-8 issn 1876-1100

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- [C4] A. Kumar, S. Kumar, P. R. Gautam, A. Verma, et al., Performance Evaluation of Multi-operands Floating-Point Adder, ser. Lecture Notes in Electrical Engineering. JK Institute of Applied Physics and Technology, Allahabad University, Allahabad: Springer Singapore, Dec. 2019, vol. 524, pp. 537–546. DOI: 10.1007/978-981-13-2685-1_51 isbn: 9811326843 issn 1876-1119
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- [C5] S. Kumar, A. Verma, P. R. Gautam, A. Dayal, et al., "The load balancing of optimizing LEACH clustering algorithm with mobile sink and rendezvous nodes," in 2018 5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON), Madan Mohan Malaviya University of Technology, Gorakhpur: IEEE, Nov. 2018. DOI: 10.1109/upcon.2018.8596989 isbn: 978-1-5386-5002-8 issn 2687-7759 Scopus
- [C6] S. Kumar, P. R. Gautam, A. Verma, R. Verma, et al., Energy Efficient Routing using Sectors Based Energy-Hole Reduction in WSNs. ZHCET, AMU, Aligarh: IEEE, 2019. DOI: 10.1109/upcon47278.2019.8980254 isbn: 978-1-7281-3455-0 issn 2687-7767 Scopus
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 Book chapter

Paper Presented

"Localization of Sensor Nodes in WSNs using Three Dimensional Angle of Arrival detection at BS" In 1st International Conference on VLSI, Communication and Signal Processing (VCAS 2018) at MNNIT Allahabad (UP) India.

29th November to 1st December 2018

"Sensor Localization in WSNs Using Rotating Directional - Antenna at the Base Station." In 2nd International Conference on VLSI, Communication and Signal Processing (VCAS 2019) at MNNIT Allahabad (UP) India.

21st - 23rd October 2019

Peer Review

- IEEE Transactions on Industrial Informatics WOS (3), IET Communications WOS (6),
- International Journal of Distributed Sensor Networks WOS (6), Asian Journal of Cardiology Research (1), SN Applied Sciences WOS (2), and Telecommunication Systems (2).

Workshops /FDP

- 1. One-week workshop on "Antenna Design and Signal Processing for 5G Network and IoT (ADSPNIT-2017)" held at MNNIT Allahabad.
 - Participated and volunteered.

- 27th February -4th March, 2017
- One-week workshop on "Workshop on Network Simulation (WNS-2017)" held at MN-NIT Allahabad.
 - Participated

- 8th 12th July, 2017
- Summer training program on "VLSI Design & Embedded System (VDES-2017)" held at MNNIT Allahabad.
 - Instructed and volunteered.

- 14th June 15th July, 2017
- 4. One-week workshop on "Communication and Antenna Design for IoT (CADIT 2017)" held at MNNIT Allahabad.
 - Participated and volunteered.

- 22nd 27th September 2017
- 5. One-week GIAN workshop "Advances in Nanotechnology and its Application in Future Electronics (ANFE-2017)" held at MNNIT Allahabad.
 - Participated and volunteered

- $6th-10th\ November,\ 2017$
- 6. 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
- 7. Summer training program on "VLSI Design & Embedded System (VDES-2018)" held at MNNIT Allahabad.
 - Volunteered.

13th June - 12th July, 2018

8. One-week workshop on "Advanced Embedded Systems & Microelectronics (AESM-2019)" held at MNNIT Allahabad.

Volunteered.

1st - 5th April, 2019

9. ATAL Academy FDP on "Blockchain" held at MNNIT Allahabad. Participated. 16th - 20th September 2019

10. ATAL Academy FDP on "Artificial Intelligence" held at MNNIT Allahabad.

- Participated.

10th - 14th December 2019

Workshops FACILITATED

Manuscript preparation in LaTeX, Programming with 8051 micro-controller.

AWARDS

1. Awarded national scholarship "RG-NFSC" from UGC.

2017-2021

AND OTHER.

2020

3. Eight times GATE qualified.

2008, 2009, 2012, 2013, 2014, 2016, 2017, and 2020

4. Three times NET (Electronics Science) qualified.

Jul-2016, Jan-2017, and Dec-2019

- Member of IEEE, IEEE Industrial Electronics Society, IEEE Microwave Theory and Techniques Society, and IEEE Broadcast Technology Society.
- NPTEL Online Certification on MATLAB for Numerical Computations.

2. Offered national scholarship "MANF" from UGC based on NET score

References

Achievements

- 1. Dr. Arvind Kumar Associate Professor, ECED, MNNIT Allahabad, Teliyarganj, Prayagraj, UP 211004, E.Mail: arvindk@mnnit.ac.in Mob: 7081869266, - Ph.D. Thesis Supervisor
- Dr. Arun Prakash Associate Professor, ECED, MNNIT Allahabad, Teliyarganj, Prayagraj, UP 211004, E.Mail: arun@mnnit.ac.in Mob:9794008282.
- Dr. Vijay Shankar Tripathi Professor, ECED, MNNIT Allahabad, Teliyargani, Prayagraj, UP 211004, E.Mail: vst@mnnit.ac.in Mob:8004818000.
- 4. Dr. Ram Chandra Singh Chauhan Associate Professor, ECED IET Sitapur, Lucknow UP, E.Mail: ram1.hbti@gmail.com Mob:9336050184. - M. Tech. Dissertation Supervisor

Personal Profile

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Father's name: Mr. Shriram Gautam Mother's name: Mrs. Archana Gautam

DECLARATION

I consider myself to be familiar with the various aspects of electronics and communication engineering. I hereby declare that the above information given is true to the best of my knowledge and I Leature Beg gentam bear the responsibility for the correctness of the above-mentioned particulars.

September 19, 2021