RESUME

Name: Prof. Vinod Kumar Singh

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Contact number:+91 9451937136

Link to LinkedIn profile, if possible:

https://www.linkedin.com/in/prof-dr-v-k-singh
TOP 2% Scientist in the world in 2023
https://www.webofscience.com/wos/author/record/AAB-4309-2020
https://www.scopus.com/authid/detail.uri?authorId=57213256319
https://scholar.google.co.in/citations?user=D7lS7OsAAAAJ&hl=en
https://orcid.org/my-orcid?orcid=0000-0002-0671-0631
https://vidwan.inflibnet.ac.in/myprofile#personal_information_panel

A. Professional Summary

Years of experience: 18 Years 03 Months

Specialization: Wearable Antenna Modelling, Microwave Engineering, Artificial Intelligence in IoT, Biomedical & Healthcare Applications

Key skills: Microstrip Antenna Design, Wearable & Implantable Antennas, Internet of Things (IoT) System Integration, RF & Microwave Circuit Design, Computational Electromagnetics (CST, HFSS), Biomedical Signal/Data Analysis.

Achievements:

1. Received the "Best Research Paper Award" entitled "Wearable Antenna Using Fabric Substrate for Wireless Applications" in International Conference on Ultrasonic and Materials Science for Advanced Technology (ICUMSAT-2024) at Bundelkhand University, Jhansi UP during 25-27 November 2023.
2. Received the "Best Paper Award" entitled "Slotted Antenna Using Flexible Material for Wireless Communication" in Virtual International Conference on Technological Developments in Computer Application (VICTDCA-2021) at The Bhopal School of Social Sciences, MP during 24-25 March 2021.
3. Received the "Best Paper Award" entitled "Circular Slotted Antenna Using Emerging Material for Modern Space Technology in International Conference on Synthesis Characterization & Application of Emerging Material with Special Reference to Sustainable Technologies, Funded by TEQIP-III at Govt. Engineering College Jabalpur, MP during 22-24 Feb. 2021.
4. Received Award in the field of Research & Development (Garima 2015) on 5th September, 2015 at S. R. Group of Institutions, Jhansi Uttar Pradesh.

B. Education

Examination	Board/University	Year of Passing	Percentage
Doctorate of Philosophy in Electronics & Comm. Engineering	School of Engineering & Technology, Bhagwant University, Rajasthan, India	2013	Awarded
Master of Technology (Digital Communication)	Bundelkhand Institute of Engineering & Technology, Jhansi	2009	70.25
Bachelor of Technology (Electrical Engineering)	Institute of Engineering & Technology Rohilkhand University, Bareilly, India	2001	68.4
Intermediate	U. P. Board, Allahabad	1994	64.40
High School	U. P. Board, Allahabad	1992	66.83

C. Professional Experience

Total Teaching Experience: 18 Years 03 Months
Post Ph.D. Teaching Experience: 12 Years 01 Months

Nature of Job	Organization/Institutes	Duration	Experience in (Years and Months)
Lecturer	IET Bundelkhand University, Jhansi, UP	Oct 2008 to June 2010	01 Year 09 months
Assistant Professor	S.R. Group of Institutions Jhansi, UP	July 2010 to March 2016	05 Years 09 months
Associate Professor and Head	S.R. Group of Institutions Jhansi, UP	April 2016 to March 2019	03 Years 0 months
Professor and Head	S.R. Group of Institutions Jhansi, UP	April 2019 to July 2023	04 Years 04 months
Professor & Director	S.R. Group of Institutions (CEMT), Jhansi	April 2018 July 2023	05 Years 02 months
Professor	Chhatrapati Shahu Ji Maharaj University (CSJMU), Kanpur	August 2023 to September 2023	0 Years 02month
Professor Dean R&D	S.R. Group of Institutions Jhansi, UP	October 2023 to till date	02 Years 01 month

1. **Describe your responsibilities and achievements**.

- Editor In Frontiers in Electronics having impact factor 2.1, Managing Editor Journal of Advanced Research in Electronics Engineering and Technology (JoARET)
- Designed and optimized over 15 unique microstrip and wearable antenna prototypes for applications in wireless communication and biomedical telemetry.
- Published 13+ SCI/ WOS Indexed research papers in high-impact international Q1 journals (Such as Plos One, IJNM Wiley Physica Scripta) with a cumulative Impact Factor of 12.6 in 2025.
- Filed 2 Indian patents AI based Geo Water Analyzer.
- Supervised 14 PhD scholars (6 awarded, 8 ongoing) and 25 M.Tech. scholars in the areas of Microwave Engineering and in Healthcare.
- Mentored over 50 final-year B.Tech. students on their thesis projects, primarily focused on wearable antennas and AI-driven healthcare monitoring systems.
- Achieved a consistent >90% student pass rate in specialized courses through innovative teaching methodologies and hands-on lab sessions.

2. **Details on curriculum design:**

- Acted as a Supervisor and Co-supervisor of PhD Students of different State and Private Universities .
- Revamped the entire B.Tech. (ECE) antenna and microwave curriculum to include modern software tools (CST Studio Suite, HFSS) and practical, project-based learning, impacting 40+ students annually.
- Acted as a core member of the BoS (Board of Studies) for Electronics & Communication Engineering, responsible for syllabus revision and alignment with industry trends.
- Developed registered the incubator centre named as **SRGI Technical Campus Startup Foundation**

3. **Student mentorship**:

- Under my mentorship, student teams won 1st prize at [e.g., "TI India Innovation Challenge"]* for their project on a "Low-Cost, Wearable Fall Detection System for the Elderly."
- Guided student teams to publish 5+ papers in national and international conferences.
- Provided career counseling and placement preparation to 100+ students, resulting in placements at companies like [e.g., Intel, Qualcomm, Wipro]* with an average placement package 15% above the departmental average.

4. **Administrative & Leadership Contributions**

    - Dean Research and Development S R Group of Institutions (CEMT) Jhansi from 19th October 2023.

- Director S R Group of Institutions (CEMT) Jhansi from April 2018-July 2023.
- Head of Department of Electrical Engineering Department, from 31st July 2013-July 2023, S. R. Group ofInstitutions, Jhansi.
- Head, Research & Development Cell, 1st August 2017- July 2023, S. R. Group of Institutions, Jhansi.
- Coordinator Unnat Bharat Abhiyan (UBA) Cell, IIT Delhi
- President Institution's Innovation Council (IIC) from 2020
- Single point of contact (SPOC) for Smart India Hackathon 2022
- Center Observer at CSE Jhansi (College Code-145) of AKTU Lucknow for Odd semester Examination Session-2021-22 from 24th December 2021 to 13th Jan 2022
- Center Observer at CSE Jhansi (College Code-145) of AKTU Lucknow for Odd semester Examination Session-2021-22 from 22nd March 2022 to 6th April 2022
- Nodal Coordinator of Virtual Labs is an Initiative by Department of Electrical Engineering, Indian Instituteof Technology Roorkee, Uttarakhand, India
- Coordinator of National Programme on Technology Enhanced Learning (NPTEL) is an Initiative byIndian Institute of Technology Kanpur, UP, India
- Coordinator, technical events of Panach-2015 on 10^{th} -13^{th} April 2015
- Convener Farewell Party-2015 on 2^{nd} May 2015 at S.R. Group of Institutions, Jhansi.
- Coordinator Orientation Programme (AAROHAN-2015) – 2015 on 8^{th} August 2015
- Coordinator SRGI International Model United Nations Conference (SRGIMUNC-2015) on 3^{rd}-5^{th} Oct. 2015.
- Coordinator 2^{nd} Convocation "Dikshant-2015" on 7^{th} December 2015.

D. Skills

Relevant technical (hard) skills

1. Microstrip Antenna Design
2. Wearable & Implantable Antennas
4. Internet of Things (IoT) System Integration
5. RF & Microwave Circuit Design
6. Computational Electromagnetics (CST, HFSS)
9. Google Suite (Docs, Sheets, Slides)
10. Microsoft Office (Word, Excel, PowerPoint)

Soft Skills like

1. Effective verbal and written communication for academic and professional purposes.
2. Ability to manage classroom dynamics and create an engaging learning environment.
3. Flexibility in adapting to new technologies, curriculum changes, and institutional requirements.
4. Innovative approaches to teaching, research, and problem-solving.
5. Proven leadership skills in mentoring students, leading projects, and organizing events.
6. Strong teamwork and collaboration skills for interdisciplinary projects and research.

7. Effective time management for balancing teaching, research, and administrative responsibilities.
8. Guidance and mentorship for students in academic and professional development.
9. Learning Management Systems such as Google Classroom, Microsoft Teams

PUBLICATIONS

Research Profile

1	**International Patents Granted**	**07**
2	**National Patent Published**	**03**
3	**Books International**	**06**
4	**SCI International Publications**	**34**
5	Scopus Indexed Publications	24
6	Book Chapters (Scopus Indexed)	42
7	Peer Reviewed International Journal	44
8	Peer Reviewed National Journal	27
9	International Conferences	41
10	International Conferences Presented papers	17
11	National Conferences	16
12	**Ph.D. Supervised(Awarded)**	**06**
13	**Ph.D. Supervised(Under Process)**	**08**
14	**M. Tech. Supervised(Awarded)**	**24**
15	Attended FDPs/Training Program	15
16	Member Professional Societies	05
17	Workshops Attended	05
18	SessionChair	06
19	InvitedTalks	08
20	Awards	05
21	Google Scholar Citation	3439
22	h- index	29
23	i-10 index	104

INTERNATIONAL PATENT GRANTED:

1. Design Number: 419244-001
   Title of the invention: Device for Measuring Ph Value of Fluid
   Date of File: 30th July 2024
   Name of Applicants: Dr. Vinod Kumar Singh, et.al
2. Design Number: 6365596
   Title of the invention: AI Based Geo Water Analyzer
   Date of File: 13th May 2024
   Name of Applicants: Dr. Vinod Kumar Singh, et.al
3. Design Number: 6354203 (UK Design Patent)
   Title of the invention: Device for Wireless Power Transfer Technology
   Date of File: 21st March 2024
   Date of Grant: 8th April 2024
   Name of Applicants: Dr. Vinod Kumar Singh, et.al
4. Design Number: 6271005
   Title of the invention: Solar Panel Cleaning Device
   Date of File: 24th March 2023

Date of Grant: 29th March 2023

Name of Applicants: Dr. Vinod Kumar Singh, et.al

5. Patent Application No.: 2022/07836
   Title of the invention: A Novel Sustainable Cultivation Method for Ayurvedic Herb Lemongrass
   Date of File: 14th July 2022

   Date of Grant: 28th September 2022

   Name of Applicants: Dr. Vinod Kumar Singh, et.al
6. Patent Application No.: 2021100502
   Title of the invention: Power Generation by drain water for Green Buildings
   Date of File: 27th January 2021

   Date of Grant: 31st March 2021

   Name of Applicants: Dr. Vinod Kumar Singh, et.al
7. Patent Application No.: 2020103212
   Title of the invention: IoT and Machine Learning Based Power distribution Management System
   Date of File: 30th August 2019

   Date of Grant: 04th November 2019

   Name of Applicants: Dr. Vinod Kumar Singh, et.al

NATIONAL PATENT PUBLISHED

8. Patent Application of the invention is filed.
   Patent Application No. is 201941033657
   Title of the invention: Wearable Hybrid Energy Harvesting System
   Date of File: 30th August 2019

   Date of Publication: 30th August 2019

   Name of Applicants: Dr. Vinod Kumar Singh, et.al
9. Patent Application of the invention is filed.
   Patent Application No. is 202011003402
   Title of the invention: Rectifying Antenna for Microwave Wireless Power Transmission
   Date of File: 24th January 2020

   Date of Publication: 7th February 2020

   Name of Applicants: Dr. Vinod Kumar Singh, et.al
10. Patent Application of the invention is filed.
    Patent Application No. is 202041038519
    Title of the invention: Wearable Solar Power Harvesting System for Smart Clothing
    Date of File: 24th January 2020

    Date of Publication: 7th September 2020

    Name of Applicants: Dr. Vinod Kumar Singh, et.al

BOOKS INTERNATIONAL PUBLISHERS:

1. Vinod Kumar Singh, Zakir Ali, Manish Sharma, Ratnesh Tiwari, Rajeev Shankar Pathak "Design and Simulation of Wearable Antennas for Healthcare" (ISBN: 9798369340264), IGI Global Publication USA, January 2025.
2. Vinod Kumar Singh, R. K. Dwivedi, Raghav Dwivedi "Wireless Technology: Advances and Innovations for Smart IoT Applications", Apple Academic Press Exclusive Co-Publishing with CRC Press, Taylor & Francis UK, January 2025.
3. Vinod Kumar Singh, Naresh Bangari, Ratnesh Tiwari, Vikas Dubey, Akash Bhoi, Sudhakar Babu Thanikanti "Green Energy Systems: Design, Modelling, Synthesis and Application" (ISBN:9781522596837), Elsevier, June 2023.

4. Vinod Kumar Singh, Vikas Dubey, Anurag Saxena, Ratnesh Tiwari, Himani Goyal Sharma "Emerging Materials and Advanced Designs for Wearable Antennas"(ISBN: 9781799876113), IGI Global Publication USA, March 2021.
5. Vinod Kumar Singh, Akash Kumar Bhoi, Anurag Saxena, Ahmed F. Zobaa, Sandeep Biswal, "Renewable Energy and Future Power Systems" (ISBN: 978-981-336-753-1), Energy System in Electrical Engineering, Springer, May 2021.
6. Vinod Kumar Singh, Ratnesh Tiwari, Vikas Dubey, Zakir Ali, Ashutosh Kumar Singh "Design and Optimization of Sensors and Antennas for Wearable Devices" (ISBN: 9781522596837), IGI Global Publication USA, September 2019.

SCI/WEB OF SCIENCE INDEXED INTERNATIONAL JOURNALS

1. S. T. Ali[1], Vinod Kumar Singh[2], Zakir Ali[3], Sanjeet Kumar[4], Deepak Singh Niranjan," Wearable UWB Jeans-Integrated Antenna with Slot-Loaded Patch and DGS for Breast Tumor Screening **(Communicated)**
2. S. T. Ali[1], Vinod Kumar Singh[2], Zakir Ali[3], Development of Ethyl Vinyl Acetate Laminated Wearable Textile Antenna for Protection against Skin Fungal Infections and Dielectric Constant Variation due to Raindrops which is used to detect Breast Tumor **(Communicated)**
3. Aparna Singh, Vinod Kumar Singh, R. K. Dwivedi, Smart Fabric-Based Wearable Textile Antenna for Non-Invasive Cancer Detection: Integrating Wireless Sensing and AI for Next-Generation Healthcare, Scientific Reports (ISSN:2045-2322), Nature Portfolio **(Communicated).**
4. Aparna Singh, Vinod Kumar Singh, R. K. Dwivedi, A Review of Smart Wearables in Oncology: Integrating Biomedical Engineering and Medicine **(Communicated)**
5. Aparna Singh, Vinod Kumar Singh, R. K. Dwivedi, An Ingenious DGS based Door Lever Shaped Flexible Ultra Wide Band Antenna with reduced SAR for Remote Healthcare, Bioelectronics and Advancing Future AR and VR Technology, International Journal of Numerical Modelling: Electronic Networks, Devices and Fields (ISSN:0894-3370), 21 July 2025, Wiley http://dx.doi.org/10.1002/jnm.70088 **[IF=1.7].**
6. Anurag Saxena, Raghav Agarwal, Vinod Kumar Singh, Ramesh Kumar Verma, Ratnesh Tiwari, Innovative pitcher-shaped antenna with dual notches on a flexible leather substrate for c-band communication, International Journal of Discover in Electronics Springer,Vol.2, 3 June 2025 doi.org/10.1007/s44291-025-00072-z.
7. Raghav Dwivedi, Vinod Kumar Singh, Wearable Textile Antenna with Low SAR & high fidelity for BAN & healthcare monitoring applications, International Journal of Numerical Modelling: Electronic Networks, Devices and Fields (ISSN:0894-3370), Wiley, 29 May 2025 doi.org/10.1002/jnm.70058 **[IF=1.7]**
8. Sinh Nguyen Xuan, Manish Sharma, C. Annadurai, Vinod Kumar Singh, I. Nelson, Measurement Analysis of Eight-Port Ultra Compact MIMO Antenna with Eye-Slot and Defected Ground (ES-DGS) Structure including Parasitic Patch with Dual-Band Millimeter Wave Characteristics, Physica Scripta, IOP Science, 9 May 2025, DOI 10.1088/1402-4896/add195. **[IF=2.6]**
9. S.T. Ali, Vinod Kumar Singh, Zakir Ali, V. K. Sharma, Ompal, Ramesh Kumar Verma, Development of a DGS-Based Slotted Body worn Textile Antenna for Advanced IoT and AI Integration, International Journal of Numerical Modelling: Electronic Networks,

Devices and Fields (ISSN:0894-3370) 28 April 2025, https://doi.org/10.1002/jnm.70043 **[IF=1.7]**

10. Aparna Singh, R. K. Dwivedi, Vinod Kumar Singh, Manish Sharma, Kanhaiya Sharma, Bulent Yilmaz, Modeling and Simulation of an Effectual Triangular Slotted UWB Flexible Antenna for Breast Cancer Detection and Healthcare Monitoring, Plos One, 17 April 2025, https://doi.org/10.1371/journal.pone.0320806**. [IF=2.6].**
11. Raghav Dwivedi, D. K. Srivastava, Vinod Kumar Singh, Innovative Wearable Textile Antenna for Holistic Prognostic Medical Applications and Perpetual Vital Signs Surveillance of Human Physiology, Optical and Quantum Electronics, Volume 57 No. 136, 29 Jan 2025 Springer https://doi.org/10.1007/s11082-025-08040-3 **[IF=4.0].**
12. Garima Singh, Akhilendra Pratap Singh, Niraj Kumar Sharma, Vinod Kumar Singh, An Innovative DGS Based Textile Antenna with Semi-Circular Slot for Future IoT's and AI Applications, Transactions on Electrical and Electronic Materials (ISSN: 2092-7592), Volume 26, pages 78-103, 29 October-2024 Springer https://doi.org/10.1007/s42341-024-00576-7 **[IF=1.9]**
13. Raghav Dwivedi, D. K. Srivastava, Vinod Kumar Singh, A nested orbicular shaped textile antenna with centered hexagonal slot, DGS and enhanced bandwidth for ISM, Wi-Fi, WLAN, Bluetooth applications, Iranian Journal of Science and Technology, Transactions of Electrical Engineering (ISSN:2228-6179), Springer, 18 May 2024, Vol. 48 pp. 1393-1415, https://link.springer.com/article/10.1007/s40998-024-00729-7 **[IF=1.5]**
14. Priya Sharma, Ashutosh Kumar Singh, Naresh Bangari, Ramesh Kumar Verma, Vinod Kumar Singh, Mohit Kumar Pandey "Design and optimization of broadband CPW rectenna for RF energy harvesting, International Journal of Electronics, Taylor & Francis (ISSN: 0020-7217), 12 February 2024, https://www.tandfonline.com/doi/full/10.1080/00207217.2024.2312570. **[IF=1.1]**
15. Ramesh Kumar Verma, Bandana Priya, Maninder Singh, Pramod Singh, Ashok Yadav, Vinod Kumar Singh "Equivalent circuit model-based design and analysis of microstrip line fed electrically small patch antenna for sub-6 GHz 5G applications, International Journal of Communication Systems, Wiley (ISSN: 1099-1131), Vol. 36, 17 August 2023, https://onlinelibrary.wiley.com/doi/abs/10.1002/dac.5595 **[IF=1.7]**
16. Raghav Dwivedi, D. K. Srivastava, Vinod Kumar Singh, Novel Miniaturized Triangular Slotted and DGS Based Inverted Circular Key Shaped Textile Antenna with Enhanced Bandwidth for C, WLAN, RAS, N795G Band Application, Iranian Journal of Science and Technology, Transactions of Electrical Engineering (ISSN:2228-6179) Springer, Vol. 48 pp. 17-36, 23 August 2023 https://link.springer.com/article/10.1007/s40998-023-00651-4 **[IF=1.5].**
17. Vinod Kumar Singh, B. Naresh, R. K. Verma "Parachute Shape Ultra-Wideband Wearable Antenna for Remote Health Care Monitoring", International Journal of Communication System**,** Willey (ISSN: 1099-1131), Vol. 36, 29 March, 2023, https://onlinelibrary.wiley.com/doi/abs/10.1002/dac.5488 **[IF= 1.7]**
18. Ashok Yadav, Pramod Singh,, R. K. Verma, Vinod Kumar Singh, "Design and Comparative analysis of Circuit Theory Model based Slot Loaded Printed Rectangular Monopole Antenna for UWB Applications with Notch Band", International Journal of Communication System**,** Willey (ISSN: 1099-1131), Vol. 36, Issue 3, 13 November 2022, https://onlinelibrary.wiley.com/doi/abs/10.1002/dac.5390 **[IF= 1.7]**
19. Anurag Saxena, Vinod Kumar Singh, "Design of Compact Array Antenna and its Effect on Human Brain", International Journal of Wireless Personal Communications**,** Springer

(ISSN: 0929-6212), Vol. 125, pp. 637–647, February, 2022, https://link.springer.com/article/10.1007/s11277-022-09569-2 **[IF= 2.2]**

20. Yadav, A.; Singh, V.K.; Yadav, P.; Beliya, A.K.; Bhoi, A.K.; Barsocchi, P. Design of Circularly Polarized Triple- Band Wearable Textile Antenna with Safe Low SAR for Human Health. Electronics (ISSN: 2079-9292) 2020**,** Vol. 9, pp.2-17, 1366, 23 August 2020, https://www.mdpi.com/2079-9292/9/9/1366 **[IF=2.6]**
21. Singhal, A.K.; Beniwal, N.S.; Almutairi, K.; Arockia Dhanraj, J.; Mostafaeipour, A.; Issakhov, A.; Chaurasiya, P.K.; Goudarzi, H.; Singh, V.K. Experimental Analysis of Modified DC-P&O Technique with Arm Controller for a Stand-Alone 40 WPV System Vol.14 (19), pp.2-18 Energies (ISSN: 1996-1073)**,** 27 September 2021, 14, 6169. https://doi.org/10.3390/en14196169 **[IF=3.0]**
22. Naresh Bangari, Vinod Kumar Singh, V. K. Sharma, Experimental investigation of thin-film solar cells as a wearable power source, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects (ISSN:1556-7036), Taylor & Francis, 10th June 2020, https://www.tandfonline.com/doi/abs/10.1080/15567036.2020.1776794 **[IF =2.3]**,
23. Yadav A, Kumar Singh V, Kumar Bhoi A, Marques G, Garcia-Zapirain B, de la Torre Díez I. Wireless Body Area Networks: UWB Wearable Textile Antenna for Telemedicine and Mobile Health Systems, Micromachines, Vol. 11(6), pp. 2-22, E558, (ISSN: 2072-666X) 30 May 2020, https://www.mdpi.com/2072-666X/11/6/558 **[IF=3.0]**.
24. Naresh B., Singh, V.K., Sharma, Integration of RF Rectenna with thin film solar cell to power wearable electronics. International Journal of Microwave and Wireless Technologies, Vol. 13 , pp. 46-57, (ISSN: 1759-0787), 28 April, 2020, **[IF =1.5]**
25. Singh, V.K., Lala, A. & Singh, A.K., Novel Inset Feed Circular Slotted Microstrip Antenna Using Multilayer Feed-Forward Back-Propagation and Radial Basis Function Neural Network. National Academy Science Letters, (ISSN: 0250-541X), Vol. 43, pp. 343-345, 23 January, 2020. https://link.springer.com/article/10.1007/s40009-020-00877-4 **[IF= 1.3]**.
26. Ashok Yadav, Vinod Kumar Singh, "Design of U-shape with DGS circularly polarized wearable antenna on fabric substrate for WLAN and C-Band applications" Journal of Computational Electronics, (ISSN: 1569- 8025) , Vol. 18, Issue 3, pp. 1103–1109, September 2019, https://doi.org/10.1007/s10825-019- 01342-2, **[IF = 2.2]**, Springer.
27. Vinod Kumar Singh, Seema Dhupkariya, Naresh Bangari, "Wearable Ultra Wide Dual Band Flexible Textile Antenna for WiMax/WLAN Application", International Journal of Wireless Personal Communications**,** Springer (ISSN: 0929-6212), Vol. 95, Issue 2, pp. 1075–1086, 2017, https://doi.org/10.1007/s11277-016-3814-7 **[IF= 2.2].**
28. Nikhil Singh, Ashutosh Kumar Singh, Vinod Kumar Singh, "Design & Performance of Wearable Ultra Wide Band Textile Antenna for Medical Applications", Microwave and Optical Technology Letters (ISSN: 0895- 2477), Wiley Publications, USA, Vol. 57, No. 7, pp. 1553-1557, July 2015,https://doi.org/10.1002/mop.29131 **[IF= 1.2].**
29. Vinod Kumar Singh, Zakir Ali, Shahanaz Ayub, Ashutosh Kumar Singh, "Bandwidth Optimization of Compact Microstrip Antenna for PCS/DCS/Bluetooth Application" Open Engineering (ISSN: 2391-5439), De Gruyter Publications, Volume 4, Issue 3, pp-281-286, September 2014. https://doi.org/10.2478/s13531-013-0160-3.
30. A. K. Singh, R.A. Kabeer, M. Shukla, V. K. Singh, Z. Ali "Performance Analysis of First Iteration Koch Curve Fractal Log Periodic Antenna of Varying Angles "Open Engineering (ISSN: 2391-5439), De Gruyter Publications, Volume 3, Issue1, pp-51-57, March 2013, https://doi.org/10.2478/s13531-012-0040-2 **[IF=1.5]**.

31. Vinod K. Singh, Zakir Ali, Ashutosh Kumar Singh, Shahanaz Ayub "Dual Band Triangular Slotted Stacked Microstrip Antenna for Wireless Applications" Open Engineering (ISSN: 2391-5439), De Gruyter Publications, Volume 3, Issue2, pp-221-225, June 2013, https://doi.org/10.2478/s13531-012-0041-1 **[IF=1.5]**.
32. Vinod Kumar Singh; Shubha Tripathi; Manish Kumar Mishra; Ratnesh Tiwari; Vikas Dubey; Neha Tiwari "Optical Studies of erbium and ytterbium doped $Gd_2Zr_2O_7$ phosphor for display and optical communication applications", IEEE Journal of Display Technology (ISSN: 1551-319X), Optical Society of America (OSA), Vol. 57, Issue 99, pp. 1224-1228, June 2016, DOI: 10.1109/JDT.2016.2582862.
33. Tripathi, Shubha, Tiwari, Ratnesh, Shrivastava, A.K., Singh, Vinod Kumar, Dubey, Neha, Dubey, Vikas, "A review reports on rare earth activated $AZrO_3$ (A = Ba, Ca, Sr) Phosphors for display and sensing applications, Optic-International Journal for Light and Electron Optics (IJLEO), Elsevier (ISSN: 0030-4026), Vol. 157, pp. 365-381, March 2018, https://doi.org/10.1016/j.ijleo.2017.11.017.
34. Vinod K. Singh, Zakir Ali "Design and comparison of a rectangular-slot-loaded and C-slot-loaded microstrip patch antenna" International Journal of Computer Science and Network Security, Korea,(ISSN-1738-7906) Vol. 10 (4), pp. 247-249, April, 2010 http://paper.ijcsns.org/07_book/201004/20100436.pdf.

SCOPUS INDEXED INTERNATIONAL JOURNALS:

1. Rajeev Shankar Pathak, Sadhana Mishra, Vinod Kumar Singh "Design of low profile Broad band Antenna for IOT Application",International Journal of Applied Engineering & Technology, (ISSN: 2633-4828), Volume-5 Issue-3,PP. 899- 902, December 2023.
2. Garima Singh, Akhilendra Pratap Singh, Ompal, Vinod Kumar Singh, "Design And Development Of An Annular Ring Dual Hexagonal Slotted Flexible Antenna For Ultra Wide Band Applications", International Journal of Applied Engineering & Technology, (ISSN: 2633-4828), Volume-5 Issue-4,PP. 899- 902, December 2023.
3. Abhishek Kumar Dubey, Vinod Kumar Singh, "Hybrid Optimization Algorithm with Random Forest Classifier for IoT Traffic Classification", International Journal of Applied Engineering & Technology, (ISSN: 2633-4828), Vol 5 No. 4, Dec 2023.
4. Abhishek Kumar Dubey, Vinod Kumar Singh, "Network Traffic Classification Methods: A Survey", International Journal of Applied Engineering & Technology, (ISSN: 2633-4828), Vol 5 No. 4, pp. 3731-3740, Dec 2023.
5. Abhishek Kumar Dubey, Vinod Kumar Singh, " Hybrid Optimization Algorithm with Random Forest Classifier for IOT Traffic Classification", International Journal of Applied Engineering & Technology, (ISSN: 2633-4828), Vol 5 No. 4, pp. 3741-3755, Dec 2023.
6. Naresh B., V K Singh, V. K. Sharma "Integration of Microstrip patch antenna with flexible thin film solar cell", International Journal of Innovative Technology and Exploring Engineering, DOI: 10.35940/ijitee.K1544.0981119, (ISSN: 2278-3075), Volume-8 Issue-11,PP. 899- 902, September 2019.
7. Neha Nigam, V K Singh, "Hardware Implementation and Optimization of a Dual Band Textile Antenna", International Journal of Engineering and Advanced Technology, DOI: 10.35940/ijeat.F8915.088619 ISSN: 2249 8958, Volume-8 Issue-6, pp. 4638-4643, August 2019.
8. Vinod Kumar Singh, N. K. Singh, Rahul Kumar, Arun Yadav, Akash Bhoi "Rectenna design for electromagnetic energy harvesting and wireless power transfer",

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23. Zakir Ali, Vinod Kumar Singh, Ashutosh Kumar Singh "Design and Performance Improvement of Wearable Antenna" Journal of Microwave and Engineering & Technologies (ISSN: 2349-9001) pp. 17-24 July 2014.
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8. Ramesh Kumar Verma, Maninder Singh, Dukhishyam, Akhilesh Kumar, Vinod Kumar Singh, "Bandwidth Enhanced Dual Band F-Shape Open Slot and Notch Loaded Microstrip Patch Antenna for Bluetooth/WiMAX/5G Applications", 12th IEEE International Conference on Communication Systems and Network Technologies (CSNT-2023), 8th-9th April 2023.
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11. S. K. Jaiswal, Vinod Kumar Singh, Zakir Ali, Poonam Sharma, Ramesh Kumar Verma, "Design and Analysis of a Compact and Flexible Octagon Shape Antenna", International Conference on Advancements in Smart, Secure and Intelligent Computing (ASSIC-2022), 19th-20th November 2022.
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4. Nikhil Kumar Singh, Vinod Kumar Singh, Ashish Kumar Singhal, "Modelling and Analysis of Grid Connected PV System" National Conference on Synergetic Trends in Engineering & Technology (STET-2014), Eshan College of Engineering, Mathura, India 25th -26th pp. 53 – 56, April-2014.
5. Saurabh Jain, Vinod Kumar Singh, Shahanaz Ayub, "Design of Slotted Microstrip Antenna having high efficiency and gain" National Conference on Synergetic Trends in Engineering & Technology (STET-2014), Eshan College of Engineering, Mathura, India pp. 50 – 52, 25th -26th April-2014.
6. Rajeev Shankar Pathak, Vinod Kumar Singh, Arun Shukla, Amit Kumar" Design of Broadband Microstrip Antenna for WLAN/WiMAX/GPS Application," National Conference on advance communication & computing, Acropolis Technical Campus (NCACC-2013), Indore January 2013.
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9. Saurabh Jain, Vinod Kumar Singh, Zakir Ali "A Compact Annular Ring Microstrip Antenna for Dual Band Application" National Conference on Globalized Leading Edge Technologies in Engineering, Print ISBN:978- 9-3828-8084-4 (GLETE-2013), Eshan College of Engineering, Mathura, India pp. 89-91, 15th -16th November- 2013.
10. Arvind K Singh, Vinod Kumar Singh, Shahanaz Ayub "Double Circular Slotted Microstrip Patch Antenna for Wireless Application" National Conference on Globalized Leading Edge Technologies in Engineering, Print ISBN: 978-9-3828-8084-4 (GLETE-2013), Eshan College of Engineering, Mathura, India pp. 100-102, 15th - 16th November-2013.
11. Stuti Srivastava, Vinod Kumar Singh, "Half Stepped Rhombic Microstrip Patch Antenna for WiMAX Middle Band Wireless Application" National Conference on Globalized Leading Edge Technologies in Engineering, Print ISBN:978-9-3828-8084-4 (GLETE-2013), Eshan College of Engineering, Mathura, India pp. 64-66, 15th - 16th November-2013.
12. V. K. Singh , Kuldeep Parashar , Shahanaz Ayub, Manoj Jakheniya "Wide Band Dual U Slotted Microstrip Antenna for Wireless Applications" National Conference on Emerging Trends in basic Sciences, NITM, Gwalior,29-30 Dec-2012.
13. Vinod K. Singh, Zakir Ali, Padam Singh "Design of compact asymmetrical C shaped microstrip antenna for Wireless Communication" National Conference on Recent Trend & Challenges in internet Technology. (RTCIT-2010) organized by CS & IT department of MANIT Bhopal, India. 20 & 21 march 2010.
14. Rajat Srivastava, Vinod Kumar Singh, Shahanaz Ayub," Bandwidth Enhancement Using Rectangular and Circular Slotted Microstrip Antenna, National Conference on Globalized Leading Edge Technologies in Engineering, Print ISBN:978-9-3828-8084-4 (GLETE-2013), Eshan College of Engineering, Mathura, India pp. 6-8,15th -16th November-2013.
15. Janabeg Loni, Vinod Kumar Singh, Shahanaz Ayub," Wideband Design of Microstrip

Patch Antenna for DCS/PCS Application, National Conference on Globalized Leading Edge Technologies in Engineering, Print ISBN:978-9-3828-8084-4 (GLETE-2013), Eshan College of Engineering, Mathura, India pp. 97-99, 15th -16th November-2013.

16. Vinod Kumar Singh, Manvendra Singh Yadav, Zakir Ali**,** Shahanaz Ayub," A Compact Microstrip antenna for Bluetooth/ WiMAX Applications, National Conference on Globalized Leading Edge Technologies in Engineering, Print ISBN:978-9-3828-8084-4 (GLETE-2013), Eshan College of Engineering, Mathura, India pp. 29-31, 15th -16th November-2013.

Ph.D. THESIS GUIDANCE

1. **Dr. Archana Lala**
   Thesis Title: Artificial Neural Network for Synthesis and optimization of Microstrip Antenna
   University: Department of Computer Science & Engineering, AISECT University, Bhopal,
   Date of Viva Voce: 27/07/2016
   Date of Notification: 04/08/2016
2. **Dr. Nikhil Kumar Singh**
   Thesis Title: Microwave Wireless Power Transmission for Rectenna Circuit
   University: Department of Electrical Engineering, Bhagwant University, Ajmer, Rajasthan
   Date of Viva Voce: 13/07/2019
   Date of Notification: 05/08/2019
3. **Dr. Naresh Bangari**
   Thesis Title: Design and Fabrication of Wearable Hybrid Energy Harvesting System
   University: Department of Electrical Engineering, Bhagwant University, Ajmer, Rajasthan
   Date of Viva Voce: 25/09/2020
   Date of Notification: 29/09/2020
4. **Dr. Ashok Yadav**
   Thesis Title: Performance Improvement of Wearable Textile Antenna
   University: Faculty of Engineering and Technology, AKTU, Lucknow, UP
   Date of Submission: 07/07/2021
   Date of Viva Voce: 04/03/2022
5. **Dr. Janabeg Loni**
   Thesis Title: Performance Enhancement of Flexible Antenna
   University: Department of Electrical Engineering, PK University, Shivpuri, MP
   Date of Submission: 23/02/2021

Ph.D. THESIS EVALUATED

1. **Dr. Sanjeev Sharma**
   Thesis Title: Design of a Fault tolerant algorithm for FPGA's by Shifting the Configuration data to enhance the Performance and Yield
   University: Department of Electronics Engineering, Rashtrasant Tukadoji Maharaj Nagpur University
   Date of Evaluation: 11/03/2016
2. **Dr. Prashant R. Rothe**
   Thesis Title: Intelligent Pattern Recognition System with Application to Crop Disease Identification
   University: Department of Electronics Engineering, Rashtrasant Tukadoji Maharaj Nagpur University

Date of Evaluation: 27/04/2016

3. **Mr. Mohini Vivek Vyawahare**
   Thesis Title: Design & Implementation of High Speed VLSI architecture for AES algorithm to minimize area and delay for better performance and efficiency
   University: Department of Electrical Engineering, PK University, Shivpuri, MP
   Date of Submission: 23/02/2016
4. **Dr. Anupam S. Chaudhary**
   Thesis Title: Design & Development of multiprotocol Label (MPLS) Switching based network model
   University: Department of Electronics Engineering, Rashtrasant Tukadoji Maharaj Nagpur University
   Date of Evaluation: 17/03/2017
5. **Dr. Ashish Jirapure**
   Thesis Title: A Novel Approach for Fault Detection and Fault Management in Wireless Sensor Network
   University: Department of Electronics Engineering, Rashtrasant Tukadoji Maharaj Nagpur University
   Date of Evaluation: 18/03/2017
6. **Dr. S. Sreenath Kashyap**
   Thesis Title: Planar Antennas for Tetra hertz Frequency Applications
   University: Department of Electronics & Communication Engineering, CU Shah University, Gujarat
   Date of Evaluation: 28/12/2016
7. **Dr. Prafulkumar Shambhubhai Bhakhar**
   Thesis Title: Design & Development of Microstrip Couplers Using Novel Artificial Material
   University: Department of Electronics & Communication Engineering, CU Shah University, Gujarat
   Date of Evaluation: 28/12/2016
8. **Dr. Tejas B. Maniar**
   Thesis Title: Renewable Power System Improvement by Modified Topology in Power Converter
   University: Department of Electronics & Communication Engineering, CU Shah University, Gujarat
   Date of Evaluation: 21/01/2021

SESSION CHAIR IN INTERNATIONAL CONFERENCES

1. Chaired the Session in International Conference on Intelligent Systems and Smart Infrastructure (ICISSI-2022), organized by Shambhunath Institute of Engineering & Technology (SIET), Jhalwa, Prayagraj; 21st-22th May, 2022.
2. Chaired the Session in 11th IEEE International Conference on Communication System and Network Technologies (CSNT-2022), organized by Shri G. S. Institute of Technology and Science (SGSIT), Indore, MP; 23rd-24th April, 2022.
3. Chaired the Session in Springer International Conference on Emerging Trends and Advances in Electrical Engineering and Renewable Energy (ETAEERE-2020), organized by Department Electrical Engineering at Kalinga Institute of Industrial Technology (KIIT), Deemed to be University, Bhubaneswar; 5th-6th March, 2020.
4. Chaired the Session in International Conference on Recent Trends in Renewable Energy and Sustainable Development (RTRESD-2020), organized by Bhilai Institute of Technology, Raipur (CG), and Chhattisgarh Swami Vivekanand Technical University, Bhilai (CG); 30th -31st January, 2020.

5. Chaired the Session in Springer International Conference on Intelligent Computing and Smart Communication (ICSC-2019), organized by Department Electronics Engineering at THDC-Institute of Hydropower Engineering & Technology, Tehri (Uttarakhand), India; 19th-21st April, 2019.
6. Chaired the Session in IEEE International Conference on Advanced Computation & Telecommunication (ICACAT-2018), organized by Department of Computer Science and Engineering at LNCT, Bhopal (M.P.), India; 28th-29th December, 2018.
7. Chaired the Session in International Conference on Recent Trends in Science and Engineering (ICRTSE- 2015), organized by Department of Physics at Govt. V.Y.T.P.G. Autonomous College, Durg (C.G.) with IRD, India; 15th-16th January, 2016.

SEMINARS/ WORKSHOPS ATTENDED:

1. High Impact Teaching Skills on January 31 & February 1, 2011 attested by Dale Carnegie & Associates, Inc. Trainer, Wipro organized by College of Science & Engineering, Jhansi (UP).
2. Participated in Mission 10X Workshop from 31st January- 4th February, 2011 conducted at College of Science& Engineering, Jhansi (UP).
3. Participated in workshop "Recent Advances in Microwave Antennas" from 31st August-1st September, 2012 Organized by Department of Electronics and communication Engineering, MITS, Gwalior (MP)
4. Attended Workshop on "Recent Advancement in Web Technology" on 25th February 2013 at S. R. Group ofInstitutions, Jhansi (UP).
5. Attended Workshop on "Advanced Mathematical and Computational Methods in Engineering" on 20th-21st March 2017 at Bundelkhand Institute of Engineering and Technology, Jhansi (UP).

DETAILS OF SEMINARS & CONFERENCES ATTENDED:
International Conferences Attended/Presented Papers:

1. Attended & presented a paper titled "Hexagonal Slotted Line Feed Wearable Antenna for Wireless Application" in the International Conference on Ultrasonic and Materials Science for Advanced Technology (ICUMSAT-2024) at Bundelkhand University, Jhansi UP during 25-27 November 2023
2. Attended & presented a paper titled "Circular Slotted Antenna Using Emerging Material for Modern Space Technology, International Conference on Synthesis Characterization & Application of Emerging Materials with special Reference to Sustainable Technologies, Jabalpur Engineering College, Jabalpur, MP, India under TEQIP-III during 22nd to 24th February 2021.
3. Attended & presented a paper titled "A badminton shape textile antenna for high frequency applications" in the International Conference on Recent Trends in Renewable Energy and Sustainable Development (ICRTRESD-2020) at Bhilai Institute of Technology Raipur on 30th & 31st January 2020, India
4. Attended & presented a paper titled "Circular Shaped Low Cost Flexible Textile Antenna" in the International Conference on Recent Trends in Renewable Energy and Sustainable Development (ICRTRESD-2020) at Bhilai Institute of Technology Raipur on 30th & 31st January 2020, India.
5. Attended International Conference on Recent Trends in Science and Engineering and chaired the session, organized by Department of Physics at Govt. V.Y.T.P.G. Autonomous College, Durg (C.G.) with IRD, India; 15th-16th January, 2015.

6. Attended & presented a paper entitled "Comparative Analysis & Bandwidth Enhancement with Direct Coupled C slotted MSA for Dual Wide Band Application" in the International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA-2014), Bhubaneswar Engineering College (BEC), Bhubaneswar, India, 14th-15th November, 2014.
7. Attended & presented a paper titled "A Flexible Multi Slot Wireless Antenna designed for Reconfigurable Frequency" organized by Department Electrical Engineering at Kalinga Institute of Industrial Technology (KIIT), Deemed to be University, Bhubaneswar; 5th-6th March, 2020.
8. Attended & presented a paper titled "Solar Rectenna to Power Wireless Sensors and Implanted Electronic Applications" in Springer International Conference on Intelligent Computing and Smart Communication (ICSC-2019), organized by Department Electronics Engineering at THDC-Institute of Hydropower Engineering & Technology, Tehri (Uttarakhand), India; 19th-21st April, 2019.
9. Attended & presented a paper entitled "Performance Analysis of Microstrip Patch Antenna by Varying slot size for UMTS application" International Conference on Communication Systems and Network Technology (CSNT-2014), NITTR, Bhopal, during 7th - 9th, April 2014.
10. Attended & presented a paper entitled "Dual Band Microstrip Antenna for UMTS/WLAN/WiMax application" in the International Conference on Communication Systems and Network Technologies (CSNT- 2013), Gwalior during 6th -8th, April 2013.
11. Attended & presented a paper titled "Bandwidth Enhancement of W Slot Microstrip Antenna using Stacked Configuration" IEEE Proc. Communication Systems and Network Technology (CSNT-2012), Print ISBN: 978-1-4673-1538-8, pp. 31 – 34. Rajkot, India.
12. Attended & presented a paper entitled "Dual Wideband Stacked Patch Antenna for WiMax and WLAN application" in the International Conference on Computational Intelligence and Communication Network (CICN- 2011), Gwalior during 7th - 9th, October 2011.
13. Attended & presented a paper entitled "A Wide Band Compact Microstrip Antenna for DCS/PCS/WLAN Application" in the International Conference on Advanced Computing. Networking, and Informatics (ICACNI-2013), Central Institute of Technology Raipur during 12th-14th, June 2013.
14. Attended International Conference on Control, Computing, Communication and Materials (ICCCCM- 2013), Print ISBN: 978-1-4799-1375-6/13, 3rd – 4th Agust-2013, Organized by United Institute of Technology Allahabad, India and Asian Institute of Technology, Bangkok, Thailand.
15. Attended & presented a paper titled "Duo triangle shaped microstrip patch antenna analysis for WiMax lower band application", in the First International Conference on Computational Intelligence Modeling, Techniques and Applications (CIMTA - 2013), Organized by Department of Computer Science & Engineering, University of Kalyani during 27th – 28th September, 2013, Sponsored by AICTE, Govt. of India.
16. Attended & presented a paper entitled "Dual Wide Band Compact Microstrip Patch Antenna for Wireless application" in the International Conference on Electronics Communication & Instrumentation (ICECI- 2012)", S. R. Group of Institutions, Jhansi during 6th - 7th, April 2012.
17. Attended International Conference on Recent Trends in Engineering, Technology & Management (ICRTETM-2011) Organized by Bundelkhand Institute of Engineering & Technology Jhansi February, 2011.

NATIONAL CONFERENCES ATTENDED/PRESENTED PAPERS

1. Attended & presented a paper titled, "Design of Trident and Tongs Shape Microstrip Antenna for WLAN Applications" National Conference on Recent Advances in Communication Engineering, MITS, Gwalior, MP during 4th -5th Dec, 2015.
2. Attended & presented a paper titled, "Bandwidth Improvement of Microstrip Patch Antenna for WLAN Application" National Conference on Synergetic Trends in Engineering & Technology (STET-2014), Eshan College of Engineering, Mathura, India pp. 44 – 46, 25th -26th April-2014.
3. Attended & presented a paper titled, "Design of Broadband Microstrip Antenna for WLAN/WiMAX/GPS Application," National Conference on advance communication & computing, Acropolis Technical Campus (NCACC-2013), Indore January 2013.
4. Attended & presented a paper titled, "Novel Broadband Microstrip Antenna for WLAN/WiMax Application" National Conference on Global Innovations in computer Science and Electronics(CYBERTRONICS-2013), Eshan College of Engineering college, Mathura,pp-89-90, March 2013.
5. Attended & presented a paper titled, "A Compact Annular Ring Microstrip Antenna for Dual Band Application" National Conference on Globalized Leading Edge Technologies in Engineering, Print ISBN:978- 9-3828-8084-4 (GLETE-2013), Eshan College of Engineering, Mathura, India pp. 89-91, 15th -16th November- 2013.
6. Attended & presented a paper titled, "Wide Band Dual U Slotted Microstrip Antenna for Wireless Applications" National Conference on Emerging Trends in basic Sciences, NITM, Gwalior, 29-30 Dec-2012.

TRAINING PROGRAM/SHORT TERM COURSES/FDPS ATTENDED:

1. Attended online International Faculty Development Programme on Introduction to Computers Training organized at S.R. Group of Institutions from September 13 to September 20, 2025 with course material provided by Edu Pyramids, SINE, IIT Bombay.
2. Attended online International Faculty Development Programme on Electromagnetics to 5G, from 7th to 11th September 2020 organized by BIET Jhansi in association with SPIU Uttar Pradesh, ISTE & NUMEREGION **(One week)**.
3. Attended online faculty development program on Emerging Trends in Power Electronics and Power System (ETPEPS-2020), from 24th to 29st August 2020 organized by Department of Electrical Engineering, O P Jindal University, Raigarh, CG **(One week)**.
4. Attended five days faculty development program on "Teaching through E-Learning Technologies: Development of E-content" from 31st to 4th June 2020 organized by IIPA Bareilly Chapter and ABV-IIITM Gwalior **(One week)**.
5. Attended faculty development program under Sage Summer School on "Machine Learning and Applications" from 18th to 23rd May 2020 organized by Sagar Institute of Research & Technology, Bhopal **(One week)**.
6. Attended faculty development program on "Overcoming the Challenges in Adapting online Technology in Teaching Learning" from 6th to 11rd May 2020 organized by

Jhulelal Institute of Technology, Nagpur **(One week)**.

7. Attended 4-days online course on Examination Reforms conducted during 29th April to 2nd May 2020 organized All India Council for Technical Education (AICTE), Delhi.
8. Attended short term training program on "Red Hat Enterprise Linux System Administration Technology" at CMC Academy (ATC), Jhansi, from 1st to 16th January 2013 **(two week)**.
9. Attended Mission 10X UTLP practitioner training program conducted at Wipro Technologies, Bangalore from 28th January-1st February, 2013 **(one week)**.
10. Attended the Executive Leadership program offered by The Art of Living, from 19th to 21st July 2019 organized under TEQIP-III by Dr. APJ Abdul Kalam Technical University Lucknow, UP.
11. Attended AICTE sponsored (QIP Grant) short term course on "Recent Advances in Microwave Engineering"at Madhav Institute of Technology and Science (MITS) Gwalior, from 4th to 15th Jan, 2016 **(two week)**.
12. Attended AICTE sponsored (QIP Grant) short term course on "Recent Advances in Microwave Engineering"at Madhav Institute of Technology and Science (MITS), Gwalior, from 16th to 27th March, 2015 **(two week).**
13. Attended AICTE sponsored (QIP Grant) Short term Training Program(STTP) on "Recent Advances in Microwave Engineering" at Madhav Institute of Technology and Science (MITS), Gwalior, from 7th to 11th December, 2015 **(one week)**.
14. Attended Faculty Development Program on ICT Tools for Teaching, Learning Process & Institutes held from January 13-17, 2020 under the scheme of financial assistance for setting up of Electronics and ICT Academies by the Ministry of Electronics and Information Technology, Government of India at the Nodal Centre S.R. Group of Institutions, Jhansi, India. **(One week)**.
15. Attended World Bank sponsored (TEQIP-II) Faculty Development Program on "Development in Sustainable Energy and Environment Protection" at Bundelkhand Institute of Engineering and Technology (BIET) Jhansi, from 27th to 31th Jan, 2017 **(one week)**.
16. Attended World Bank sponsored (TEQIP-III) Faculty Development Programme on "Industrial Pollution Abatement & Waste Management" at Bundelkhand Institute of Engineering and Technology (BIET) Jhansi, from 19th to 23rd Jan, 2018 **(one week)**.

MEMBER OF BOARD OF STUDIES:

1. Board of Studies of Electronics & Communication Engineering, Bundelkhand University, Jhansi from 2008 totill date.
2. Board of Studies of Electronics & Communication Engineering, BIET, Jhansi from 2012 to till date.
3. Board of Studies of Electronics & Communication Engineering, UPTU, Lucknow, from 2012 to till date.
4. Board of Studies of Electronics & Communication Engineering, RTMU, Nagpur, from 2016 to till date.
5. Board of Studies of Department of Electronics & Communication Engineering, CU Shah University, Gujarat,from 2016 to till date.
6. Board of Studies of Department of Electrical Engineering, Bhagwant University, Rajasthan, from 2014 to till date.

MEMBERSHIP OF PROFESSIONAL SOCIETIES:

- Sr. Member of World Leadership Academy (WLA) from 26/03/2021 (Membership Number-WLA1125)
- Life Member of The Scholars Academic & Scientific Society (SASS) from 09/12/2019 (Membership No.-SAS/LMSASS/116)
- Sr. Member of Institute of Research Engineers Doctors (IRED) from 13/05/2014 (Membership No-SNM1009826).
- Member of International Association of Engineers USA from 14/04/2014 (Member Number: 141281).
- Sr. Member of International Associatio n of Computer Science and Information Technology (IACSIT) from 11/04/2014 (Member Number: 80348586)
- Member of The Institute of Electrical and Electronics Engineers (IEEE) Uttar Pradesh Section

AWARDS & ACHIEVEMENT

1. Received the "Best Research Paper Award" entitled "Wearable Antenna Using Fabric Substrate for Wireless Applications" in International Conference on Ultrasonic and Materials Science for Advanced Technology (ICUMSAT-2024) at Bundelkhand University, Jhansi UP during 25-27 November 2023.

2. Received Best Indian Research Award 2022 for the research Title Flexible Antenna: Design and Analysis for health care Application in World Innovation Patent Conclave held on 26th & 27th August 2022.

3. Received the "Best Paper Award" entitled "Slotted Antenna Using Flexible Material for Wireless Communication" in Virtual International Conference on Technological Developments in Computer Application (VICTDCA-2021) at The Bhopal School of Social Sciences, MP during 24-25 March 2021.

4. Received the "Best Paper Award" entitled "Circular Slotted Antenna Using Emerging Material for Modern Space Technology in International Conference on Synthesis Characterization & Application of Emerging Material with Special Reference to Sustainable Technologies, Funded by TEQIP-III at Govt. Engineering College Jabalpur, MP during 22-24 Feb. 2021.

5. Received Award in the field of Research & Development (Garima 2015) on 5th September, 2015 at S. R. Group of Institutions, Jhansi Uttar Pradesh.

INVITED TALK/KEYNOTE SPEAKER

1. Resource person in International Conference on Role of Science Education & Technology in making India Self-Reliant & Globally Competent (ICR-SET-2023) ON 3rd - 4th March 2023 organized by St. Aloysius Institute of Technology Jabalpur MP.
2. Invited talk on "How to overcome the Effects of Mobile Phone Radiations on Human Health" in the one week Short term Training Program on Recent Trends & Advancements in Electrical Engineering with Challenges & Opportunities in Association with RGPV at SISTEC, Bhopal on 14^{h} & 19th September, 2020
3. Guest Speaker in the Live Series Webinar on "Effects Radiations of Mobile and Cell Towers" at Adina Institute of Science & Technology on 13th June 2020.

4. Keynote address on "Effects of Mobile and Cell Tower Radiations" in the International Conference on Recent Trends in Renewable Energy and Sustainable Development (ICRTRESD-2020) at Bhilai Institute of Technology Raipur on 30th & 31st January 2020.
5. Invited talk on "Advances on Microstrip Antenna & their Radiation effects" in the International Conference on Recent Trends in Science and Engineering (ICRTSE-2016) at Govt. VYTPG Autonomous College, Durg (C.G) on 16th January 2016.
6. Invited talk on "How much safe we are with RF radiations" in the workshop of "Automation of Electric Drive" at S.R. Group of Institutions, Jhansi on 10th October 2015.
7. Invited talk on "Effects of RF radiations" at Veerangna Jhalkari Govt. Mahila Polytechnic, Jhansi on 29th January 2016.