

Dr. PRAMOD KUMAR

Professor

School of Engineering

Department of Electronics & Communication Engineering

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1. EMPLOYMENT HISTORY

S. No.	Institute/University	Designation	From	To
1	Central University of Karnataka, Kalaburagi	Professor	16 th Oct., 2024	Till Date
2	Manipal Institute of Technology	Professor	1 st August, 2022	15 th Oct. 2024
3	Manipal Institute of Technology	Associate Professor-Sr Scale	18 th Feb., 2020	31 st July, 2022
4	Manipal Institute of Technology	Associate Professor	8 th April 2017	17 th Feb. 2020
5	Manipal Institute of Technology	Asst. Professor-Selection Grade	18 th July 2014	7 th April 2017
6	Manipal Institute of Technology	Assistant Professor	18 th July 2009	17 th July 2014
7	Manipal Institute of Technology	Lecturer	16 th Aug. 2007	17 th July 2009

2. EDUCATION**Ph.D., National Institute of Technology Karnataka, Surathkal, India****M. Tech., Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal, India****B. E., Visvesvaraya Technological University, Belagavi, India**

3. PHD SCHOLARS GUIDED/GUIDING

S.No	Name of Student	Guide/Co-Guide	Part/full time	Research title	Status	University
1	Om Prakash Kumar	Guide	Part-time	Modeling of Ultrawide Band Antenna with Reconfigurable Band Notch Characteristics	Awarded	MAHE
2	M Pallavi	Guide	Full Time	Design, Modeling, And Validation of Beam-Steering Antenna to Avoid Mid-Air Collision in Aircraft	Awarded	MAHE
3	Vikas Kumar Jhunjhunwala	Co-guide	Part-time	Modeling of Conformal UWB MIMO Antenna for Wireless Body Area Network	Ongoing	MAHE
4	Punith Bekal	Guide	Full Time	Probabilistic Model for Query Generation Pattern for Energy-Efficient-Based Wireless Sensor Networks	Ongoing	MAHE
5	Jithendra N K	Guide	Part Time	Design and Development of Antennas for 5G Communications	Ongoing	MAHE

4. DETAILS OF PROJECTS UNDER IMPLEMENTATION

S. NO	TITLE	COST IN LAKH	START DATE	END DATE	ROLE AS	AGENCY	STATUS
					PI/Co-PI		
1	Design and Development of Sub 6 GHz Antenna	5.99	December, 2023	December, 2025	Co-PI	MAHE Seed Grant	In Progress
2	Development and validation of cost-effective wearable electrocardiogram system to measure Heart rate variability.	0.5 Lakh	September, 2021	September, 2023	Co-PI	MAHE-Seed Money	Completed
3	Development and validation of a novel device to objectively conduct six-minute walk test	0.8 Lakh	Sept 2022	Sept 2024	Co-PI	MAHE - Seed Money	Completed

5. PROFESSIONAL MEMBERSHIP

- ✓ Senior Member of IEEE
- ✓ Lifetime member ISTE
- ✓ Member of IEEE ComSoc
- ✓

6. RESEARCH INTEREST

- ✓ Query Based Wireless Sensor Networks
- ✓ Adhoc Networks
- ✓ Reconfigurable Antennas, Wide band Antennas, TCAS Antennas
- ✓ Heart Rate variability for Bio signals.
- ✓ 5G Antennas

7. PUBLICATIONS

Journals

1. S kavitha, Ashish Singh, Pramod Kumar, Asia Hazareena, Ravi Shankar Saxena, Kamakshi Kumari, Mohammad Aneesh, "Torus Shaped Quantum Plasmonic Nano-Antenna Array for Optical Near Field Communication", IEEE Access, vol. 12, pp. 155485 – 155497, 2024.
2. Vikash Kumar Jhunjhunwala, Pramod Kumar, Arun P Parameswaran, Pallavi R Mane, Om Prakash Kumar, Tanweer Ali, Sameena Pathan, "A Four Port Flexible UWB MIMO Antenna with Enhanced Isolation for Wearable Applications", Results in Engineering, (In Press).
3. Bekal, P., Kumar, P., & Mane, P. R. (2024). A metaheuristic approach for hierarchical wireless sensor networks using particle swarm optimization-based Enhanced LEACH protocol. IET Wireless Sensor Systems. (In Press).
4. Nahar, T., Rawat, S., Pathak, P., Kumar, P., & Anguera, J. (2024). Leaf-shaped antennas for Sub-6 GHz 5G applications, IEEE Access, vol 12, pp. 114338 – 114357, 2024.
5. Pallavi, M., Kumar, P., Ali, T., Shenoy, S. B., & Shivakumar, B. R. (2024). Design and validation of a miniaturized reconfigurable power divider with arbitrary power split ratio and flexible output phase difference. AEU-International Journal of Electronics and Communications, vol. 183, pp.1-16, 2024.
6. Punith Bekal, Pramod Kumar, Pallavi R Mane, Ghanshyam Prabhu, "A comprehensive review of energy efficient routing protocols for query driven wireless sensor networks", F1000 Research , <https://doi.org/10.12688/f1000research.133874.1>
7. Pallavi, M., Pramod Kumar, Tanweer Ali, Pallavi R Mane and Satish B. Shenoy and Ghanshyama Prabhu, " Design and Experimental Study of a coupled U and L-shape Negative Index metamaterial for Aircraft Navigation Applications", IEEE Access 12 (2024): 16127 - 16150. [IF-3.9, Q1]. DOI: 10.1109/ACCESS.2024.3358898.
8. Kumar, Om Prakash, Pramod Kumar, Tanweer Ali, Pradeep Kumar, and Subhash B. K. "A Quadruple Notch UWB Antenna with Decagonal Radiator and Sierpinski Square Fractal Slots." Journal of Sensor and Actuator Networks 12, no. 2 (2023): 24. [IF-3.5, Q1]. <https://doi.org/10.3390/jsan12020024>

9. Raikar, Amisha S., Pramod Kumar, Gokuldas (Vedant) S. Raikar, and Sandesh N. Somnache. "Advances and Challenges in IoT-Based Smart Drug Delivery Systems: A Comprehensive Review." *Applied System Innovation* 6, no. 4 (2023): 62. [IF-3.8, Q1]. <https://doi.org/10.3390/asi6040062>
10. Kumar, Om Prakash, Tanweer Ali, Pramod Kumar, Pradeep Kumar, and Jaume Anguera. "An Elliptical-Shaped Dual-Band UWB Notch Antenna for Wireless Applications." *Applied Sciences* 13, no. 3 (2023): 1310. [IF-2.7, Q1]. <https://doi.org/10.3390/app13031310>
11. Jhunjhunwala, Vikash Kumar, Tanweer Ali, Pramod Kumar, Praveen Kumar, Pradeep Kumar, Sakshi Shrivastava, and Arnav Abhijit Bhagwat. "Flexible UWB and MIMO antennas for wireless body area network: A review." *Sensors* 22, no. 23 (2022): 9549. [IF-3.9, Q1]. <https://doi.org/10.3390/s22239549>
12. Pallavi, M., Pramod Kumar, Tanweer Ali, and Satish B. Shenoy. "Modeling of a negative refractive index metamaterial unit-cell and array for aircraft surveillance applications." *IEEE Access* 10 (2022): 99790-99812. [IF-3.9, Q1]. DOI: 10.1109/ACCESS.2022.3206358
13. Kumar, Om Prakash, Tanweer Ali, and Pramod Kumar. "A Novel Corner Etched Rectangular shaped Ultrawideband Antenna Loaded with Truncated Ground Plane for Microwave Imaging." *Wireless Personal Communications* 130, no. 3 (2023): 2241-2259. [IF-2.2, Q2]. <https://doi.org/10.1007/s11277-023-10381-9>
14. Kumar, Om Prakash, Pramod Kumar, and Tanweer Ali. "A compact dual-band notched UWB antenna for wireless applications." *Micromachines* 13, no. 1 (2021): 12. [IF-3.4, Q1]. <https://doi.org/10.3390/mi13010012>
15. Kumar, Om Prakash, Pramod Kumar, Tanweer Ali, Pradeep Kumar, and Shweta Vincent. "Ultrawideband antennas: Growth and evolution." *Micromachines* 13, no. 1 (2021): 60. [IF-3.4, Q1]. <https://doi.org/10.3390/mi13010060>
16. Rani, Sita, Ram Krishn Mishra, Mohammed Usman, Aman Kataria, Pramod Kumar, Pankaj Bhambri, and Amit Kumar Mishra. "Amalgamation of advanced technologies for sustainable development of smart city environment: A review." *IEEE Access* 9 (2021): 150060-150087. [IF-3.9, Q1]. DOI: 10.1109/ACCESS.2021.3125527
17. Pallavi, M., Pramod Kumar, Tanweer Ali, and Satish B. Shenoy. "A review on gain enhancement techniques for vertically polarized mid-air collision avoidance antenna for airborne applications." *IEEE Access* 9 (2021): 30761-30792. [IF-3.9, Q1]. DOI:10.1109/ACCESS.2021.3059957
18. Kumar, Pramod, and Ashvini Chaturvedi. "Design and development of single & dual resonant frequency antennas for moisture content measurement." *Wireless Personal Communications* 114 (2020): 565-582. [IF-2.2, Q2]. DOI:10.1007/s11277-020-07382-3

19. Maurya, Ajay Kumar, Ravi Prakash, S. K. Sriwas, Pramod Kumar, and R. K. Singh. "Impact of code rate and constraint length variation on qualitative performance of OIDMA system with random inter-leaver." *Optik* 202 (2020): 163584. [IF-3.1, Q1]. <https://doi.org/10.1016/j.ijleo.2019.163584>
20. Kumar, Pramod, and Ashvini Chaturvedi. "Fuzzy interval based probabilistic query generation models and fusion strategy for energy efficient wireless sensor networks." *Computer Communications* 117 (2018): 46-57. [IF-6, Q1]. <https://doi.org/10.1016/j.comcom.2018.01.004>
21. Kumar, Pramod, and Ashvini Chaturvedi. "Spatio-temporal probabilistic query generation model and sink attributes for energy-efficient wireless sensor networks." *IET Networks* 5, no. 6 (2016): 170-177. [IF-0.73, Q1]. <https://doi.org/10.1049/iet-net.2016.0014>
22. Kumar, Pramod, and Ashvini Chaturvedi. "Spatial-temporal aspects integrated probabilistic intervals models of query generation and sink attributes for energy efficient WSN." *Wireless Personal Communications* 96 (2017): 1849-1870. [IF-2.2, Q2]. <https://doi.org/10.1007/s11277-017-4272-6>
23. Kumar, Pramod, and Ashvini Chaturvedi. "Probabilistic query generation and fuzzy c-means clustering for energy-efficient operation in wireless sensor networks." *International Journal of Communication Systems* 29, no. 8 (2016): 1439-1450. [IF-1.88, Q1]. <https://doi.org/10.1002/dac.3112>
24. Kumar, Pramod, and Ashvini Chaturvedi. "Sink attributes analysis for energy efficient operations of wireless sensor networks under randomly varying temporal and spatial aspects of query generation." *AEU-International Journal of Electronics and Communications* 69, no. 7 (2015): 1058-1069. [IF-3.2, Q1]. DOI:10.1016/j.aeue.2015.04.008
25. Kumar, Pramod, Om Prakash Kumar, Shweta Vincent, and Tanweer Ali. "Modeling of a microstrip fifth order low pass filter for wimax application." *Telecommunications and Radio Engineering* 79, no. 12 (2020). DOI:10.1615/TelecomRadEng.v79.i12.40
26. Singh, A. K., R. Bera, B. Maji, Samarendra Nath Sur, and P. Kumar. "Beamforming in microstrip patch antenna array." *Telecommunications and Radio Engineering* 78, no. 15 (2019). DOI: 10.1615/TelecomRadEng.2023047497
27. Chandra, Kailash, Pramod Kumar, S. K. Sriwas, Mahendra Kumar, Shounak De, and Tanweer Ali. "A rectangular patch antenna based on flexible and non-flexible substrates for wireless applications." *International Journal of Recent Technology and Engineering* 8, no. 3 (2019): 8796-8804. DOI: 10.35940/ijrte.C5425.098319

28. Tripathi, Abhishek, S. K. Sriwas, and Pramod Kumar. "PAPR reduction scheme using precoding evolutionary adaptation for MIMO OFDM data communication." *Int J Eng Adv Technol* 5, no. 8 (2019): 173-177. DOI:10.35940/ijeat.E70000.088619
29. Kumar, Pramod, S. K. Sriwas, and Mahendra Kumar. "Design of microstrip patch antenna on flexible substrate for BAN applications." *International Journal of Engineering and Advanced Technology* 8, no. 5 (2019): 1657-1662. E7001068519/19©BEIESP
30. Palavalasa, Surya Pururav, and Pramod Kumar. "A wearable double band button antenna for BANs." *International Journal of Engineering and Technology (UAE)* 7, no. 4.41 (2018): 5-8.
31. Kumar, Pramod, and Ashvini Chaturvedi. "Performance measures of fuzzy C-means algorithm in wireless sensor networks." *International Journal of Computer Aided Engineering and Technology* 9, no. 1 (2017): 84-101. DOI:10.1504/IJCAET.2017.080770
32. Kumar, Pramod, and Ashvini Chaturvedi. "Location movement and multiplicity attributes of sink in query-based wireless sensor networks." *International Journal of Computer Aided Engineering and Technology* 7, no. 4 (2015): 436-455. <https://doi.org/10.1504/IJCAET.2015.072600>
33. Kumar, Pramod, and Ashvini Chaturvedi. "A geographical location aware energy efficient routing scheme for query based Wireless Sensor Networks." *Journal of Electrical Engineering* 13, no. 2 (2013): 8-8. <http://www.jee.ro/index.php/jee/article/view/WA1347944947W505801f352ac2>
34. Kumar, Pramod, and Ashivini Chaturvedi. "Analysis of Energy Efficient Clustering Algorithm for Wireless Sensor Networks." *IJCA Special Issue on "Wireless Information Networks & Business Information System* (2011). <https://www.ijcaonline.org/proceedings/winbis/number1/2050-197>

CONFERENCE PROCEEDING

1. Punith Bekal, Pramod Kumar, and Pallavi R. Mane. "Enhanced LEACH for improving Lifespan of Hierarchical Wireless Sensor Networks". First International Conference on Electronics, Communication and Signal Processing (ICECSP - 2024), held at NIT, Delhi, from 8th – 10th August 2024. DOI: 10.1109/ICECSP61809.2024.10698285
2. Punith Bekal, Pramod Kumar, and Pallavi R. Mane. "Performance Analysis of Metaheuristic Particle Swarm Optimization-based Enhanced LEACH Protocol". International Conference on Data-Processing and Networking (ICDPN-2024) held at Institute of Technology and Business in České Budějovice, Near Prague, Czech Republic, Europe from 25th – 26th October, 2024.

3. Punith Bekal, Pramod Kumar, and Pallavi R. Mane. "Validating the performance of Enhanced LEACH protocol for Hierarchical Wireless Sensor Networks". International Conference on Data-Processing and Networking (ICDPN-2024) held at Institute of Technology and Business in České Budějovice, Near Prague, Czech Republic, Europe from 25th – 26th October, 2024.
4. Punith Bekal, Pramod Kumar, Pallavi R. Mane, and Ghanshyam Prabhu. "A Cluster based routing protocol for IoT based Wireless Sensor Networks to Enhance Performance". Modeling, Simulation, and Intelligent Computing (MoSICom-2023), held at BITS Pilani, Dubai Campus, from 7th – 9th December 2023. DOI: 10.1109/MoSICom59118.2023.10458724
5. Archika Jain, Devendra Somwanshi, Shalini Puri, Rekha Jain, Pramod Kumar, "Implementing Load Balancing in Cloud Computing with MTB", International Conference on Innovative Computing and Communication (ICICC), August 2024, <https://dx.doi.org/10.2139/ssrn.4937979>
6. Shalini Puri and Pramod Kumar, "Ka Band Highly Efficient Parabolic Reflector Antenna for Satellite Communications", Third International Conference on Computational Electronics for Wireless Communications (ICWC 2023), 22-23 December, 2023, https://doi.org/10.1007/978-981-97-1946-4_23
7. Manish Kumar Roy, Pramod Kumar, "A Comparative Study of an Energy Efficient Algorithm for Wireless Sensor Networks ", 2nd International Conference on Artificial Intelligence, Computational Electronics and Communication System (AICECS 2023), 16-17 Feb, 2023, Manipal. DOI 10.1088/1742-6596/2571/1/012034
8. Karuna Vasu, Pramod Kumar, Pallavi R Mane, Bobby Paul, Vaishali K and Mukesh Kumar Sinha, "Electrocardiogram Heart Rate Variability Signal Analysis and Data Acquisition: A Novel Approach for Sympathovagal Inference", IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON), 1-2 Sept, 2023, Bangalore. 10.1109/NMITCON58196.2023.10276059
9. M Pallavi, Pramod Kumar, Tanweer Ali and Sathish B Shenoy, "Gain Enhancement of a Miniaturized Broadband Patch Antenna Using a Metamaterial Superstrate for Surveillance Applications in Aircraft", The Third International Telecommunications Conference (ITC-Egypt'2023) is organized by the Air Defense College (ADC), 18-20 July, 2023, Alexandria / Egypt. DOI: 10.1109/ITC-Egypt58155.2023.10206164
10. Pallavi, M., Kumar, P., Ali, T., Shenoy, S.B., 2022, December. Design and Analysis of Miniaturized Broadband Microstrip Patch Antenna for Aircraft Surveillance Applications. In 2022 4th International Conference on VLSI, Signal Processing, Power Electronics, IoT, Communication, and Embedded Systems. IEEE. <https://doi.org/10.1007/978>.

11. Pallavi, M., Kumar, P., Ali, T. and Shenoy, S.B., 2022, December. Coupled C-Shape Negative Refractive Index Metamaterial for Airliner Surveillance Applications. In 2022 International Conference on Knowledge Engineering and Communication Systems (ICKES) (pp. 1-6). IEEE. DOI: 10.1109/ICKECS56523.2022.10060629.
12. Kumar, O. P., Kumar, P., & Ali, T. (2022). A Novel Ultrawideband Antenna with Band Notching Facilities at WLAN, C-band, and X-band. In INDICON 2022 - 2022 IEEE 19th India Council International Conference (INDICON 2022 - 2022 IEEE 19th India Council International Conference). DOI: 10.1109/INDICON56171.2022.10039983.
13. Kumar, O. P., Kumar, P., & Ali, T. (2022). A Novel Circular-shaped Hexagonal Slot UWB Antenna for Wireless Applications. In International Conference on Artificial Intelligence and Data Engineering, AIDE 2022 (pp. 8-12). (International Conference on Artificial Intelligence and Data Engineering, AIDE 2022). DOI: 10.1109/AIDE57180.2022.10060654.
14. M Pallavi, Pramod Kumar, Tanweel Ali, Sathis B Shenoy and Lokesh Sharma, "Design and Analysis of Patch Antenna with T-Shape DGS for Aircraft Surveillance Applications", 6th International Conference on Green Technology and Sustainable Development (GTSD 2022) at HCMC University of Technology and Education, Vietnam to be held during July 29-30, 2022. DOI: 10.1109/GTSD54989.2022.9989196.
15. Yashas Bharadwaj, Shubham Yadav, Apeksha Murdeshwar, Harshita R., Pramod Kumar and Mukesh Kumar Sinha, "Design and Analysis of Electrocardiogram Heart Rate Variability Monitoring Systems" Proceedings of First International Conference on Computational Electronics for Wireless Communications (ICCEWC 2022), at NITK Surathkal, June 2022. DOI: https://doi.org/10.1007/978-981-19-6661-3_29
16. Avi Sharma and Pramod Kumar, "Design of a Flexible Microstrip Antenna for breast cancer detection" First International Conference on Artificial Intelligence, Computational Electronics and Communication System (AICECS 2021), IOP: Journal of Physics, Feb 2022.
17. Atharv Tendolkar, Amit Choraria, K.S Adithya and Pramod Kumar, "Home Shanti (An Edge Computing based IoT system for complete home security and safety)" Proceedings of First International Conference on Computational Electronics for Wireless Communications (ICCEWC 2021), In Lecture Notes in Networks and Systems, Vol. 329, pp.303-317, Jan 2022. DOI: https://doi.org/10.1007/978-981-16-6246-1_26.
18. Ananya Sharma, Srikanth Prabhu, Aryamaan Yadav, Prithviraj P, Vikas Venkat Sigatapu, Pramod Kumar, "Siamese Network and Facial Ratios for Deformed Facial Matching", Proceedings of First International Conference on Computational Electronics for Wireless Communications (ICCEWC 2021), In Lecture Notes in Networks and Systems, Vol. 329, pp.377-389, Jan 2022. DOI: https://doi.org/10.1007/978-981-16-6246-1_32

19. Nisha Jha, Rashmi Popli, Sudeshna Chakraborty, Pramod Kumar, "Software Test Automation Using Selenium and Machine Learning", Proceedings of First International Conference on Computational Electronics for Wireless Communications (ICCWC 2021), In Lecture Notes in Networks and Systems, Vol. 329, pp.419-429, Jan 2022. DOI: https://doi.org/10.1007/978-981-16-6246-1_35
20. Ruchi Yadav, Nitin Yadav, Kartik Gupta, Rashmi Priyadarshini, Sudeshna Chakraborty, Pramod Kumar, "HOME AUTOMATION USING INTERNET OF THINGS: AN EXTENSIVE REVIEW", Proceedings of First International Conference on Computational Electronics for Wireless Communications (ICCWC 2021), In Lecture Notes in Networks and Systems, Vol. 329, pp.441-449, Jan 2022. DOI: https://doi.org/10.1007/978-981-16-6246-1_37
21. Pramod Kumar, Ashvini Chaturvedi, "Evaluation of Energy Efficient Clustering Algorithms (E3CA) for Query Based WSNs", IEEE INTERNATIONAL CONFERENCE ON COMPUTATIONAL INTELLIGENCE AND KNOWLEDGE ECONOMY (ICCIKE'2019), Amity University, Dubai, 11-12 December, 2019. DOI: 10.1109/ICCIKE47802.2019.9004332
22. Pramod Kumar, "Performance Analysis of Antennas in Structural Health Monitoring", First International Conference on Material Science and Manufacturing Technology 2019 (ICMSMT 2019), 12-13, April, 2019, Hotel Aloft, Coimbatore, India. DOI 10.1088/1757-899X/561/1/012115
23. Surya Pururav Palavalasa and Pramod Kumar, "A Wearable Double Band Button Antenna for BANs", International Conference on Engineering, Computers and Natural Sciences (ICECNS-2018), Oct 2018, Goa, India.
24. S K Sriwas and Pramod Kumar, "A Novel on Microstrip Low Pass Filter for Elliptic Response", IEEE International Conference on "Devices Circuits and Systems (ICDCS-18)", March 16-18, 2018, India. DOI: 10.1109/ICDCSyst.2018.8605160
25. Chetana Nayak and Pramod Kumar, "Optimized Design And Analysis Of Microstrip Antenna Using Artificial Neural Network", IEEE International Conference on Current Trends in Computer, Electrical, Electronics and Communication (ICCTCEEC'17), Sept. 8-9, 2017, Mysuru, India. DOI: 10.1109/CTCEEC.2017.8455084
26. Pramod Kumar and Ashvini Chaturvedi "Performance Analysis of Energy Aware Routing Protocol for Wireless Sensor Networks", IEEE International Conference on "Devices Circuits and Systems (ICDCS-14)", March 6-8, 2014, India. DOI: 10.1109/ICDCSyst.2014.6926168
27. Pramod Kumar and Ashvini Chaturvedi "Life Time Enhancement of Wireless Sensor Network Using Fuzzy C-Means Clustering Algorithm", IEEE International Conference on "Electronics and communication System (ICECS-14)", February. 13-14, 2014 Coimbatore, India. DOI: 10.1109/ECS.2014.6892786

28. Pramod Kumar and Ashvini Chaturvedi "An Energy Efficient Algorithm to avoid Hot Spot effects in Wireless Sensor Networks" IEEE International Conference on Signal Processing ,Image Processing and Pattern Recognition (ICSIPR'13), pp 117-121, February 7-8, 2013,India. DOI: 10.1109/ICSIPR.2013.6497971
29. Pramod Kumar, Ashvini Chaturvedi & M.Kulkarni "Geographical Location Based Hierarchical Routing Strategy for Wireless Sensor Networks", IEEE International Conference on "Devices Circuits and Systems (ICDCS-12)"pp 9-14,March 15-16,2012,India. DOI: 10.1109/ICDCSyst.2012.6188667
30. Pramod Kumar and Ashvini Chaturvedi "Analysis of Energy efficient Clustering Algorithm for Wireless Sensor Networks", 3rd International Conference on "Wireless Information Networks & Business Information System (WINBIS-11)" 27th Feb.-1st March, 2011, ISSN No.:20910266, pp.46-49, Kathmandu, Nepal.
31. Pramod Kumar and Ashvini Chaturvedi "Analysis of Energy efficient Clustering Algorithm for Wireless Sensor Networks", 3rd International Conference on "Wireless Information Networks & Business Information System (WINBIS-11)" 27th Feb.-1st March,2011,ISSN No.:20910266,pp.46-49,Kathmandu,Nepal.
32. Pramod Kumar and Ashvini Chaturvedi "Design and Analysis of Microstrip Elliptical Low Pass Filter",Presented in IEEE International Conference on "Emerging Trends in Electronic and Photonic Devices & Systems (ELECTRO-2009)", ISBN: 978-1-4244-4846-3 December 22-24,2009,pp 340-342,organized by Department of Electronics & Communication Engg., IT-BHU, Varanasi. DOI: 10.1109/ELECTRO.2009.5441101
33. Pramod Kumar, Ashvini Chaturvedi and Jagdeesh Chandra R.B "Design and Analysis of Four pole microstrip low pass filter", Presented in International Conference on "12th International Symposium on Microwave and Optical Technology (ISMOT2009)", December 16-19, 2009, organized by Department of Electronics Science of University of Delhi South Campus, Hotel Ashok, New Delhi.
34. Pramod Kumar, Jagdeesh Chandra R B, R.N.Baral & P.K.Singhal "Design & Analysis of Fractal Microstrip Low Pass Filter with Open Circuited Stubs", Presented In the IEEE International Conference On "Computing, Communication & Networking (ICCCN 08)", December 18-20, 2008,ISBN: 978-1-4244-3595-1, organized By Chettinad College of Engineering and Technology, Karur, Tamilnadu. DOI: 10.1109/ICCCNET.2008.4787713
35. Pramod Kumar, Jagadeesh Chandra R B, R.N.Baral & P.K.Singhal "Design & Fabrication of Six Pole Microstrip Elliptical Low Pass Filter", Presented In the IEEE International Conference On "Recent Advances in Microwave Theory and Applications (Microwave 08)", November 21-24, 2008,ISBN:978-14244-2690-4,pp 116-118,organized By University of Rajasthan & MNIT, Jaipur. DOI: 10.1109/AMTA.2008.4763111

36. Pramod Kumar, & Kumara shama “Design and Analysis of fractal Microstrip Low Pass Filter using Uniform & Non Uniform Transmission Line ”, Presented, In the National Conference on “Devices, Intelligent Systems & Communication (MITDISC-2007)”, December 06-08, 2008, organized by Manipal Institute of Technology,Manipal (Karnataka).
37. Pramod Kumar, and Ashvini Caturvedi “Geographical Location based routing algorithms for wireless sensor networks”, presented, in The Recent advancement in the Microwave Engineering, Dec.16-17, 2011, MITS,Gwalior.

8. BOOKS EDITED

1. Proceedings of International Conference on Computational Electronics for Wireless Communications (ICCWC-2021) from June 11-12, 2021 published by Springer (LNNS Series).
2. Proceedings of International Conference on Computational Electronics for Wireless Communications (ICCWC-2022) from June 09-10, 2022 published by Springer (LNNS Series).
3. Proceedings of Proceedings of International Conference on Artificial Intelligence, Computational Electronics and Communication System (AICECS 2021), from 28-30 Oct. 2021, Published by IOP.
4. Proceedings of Proceedings of International Conference on Artificial Intelligence, Computational Electronics and Communication System (AICECS 2023), from 16-17 Feb.,2023, Published by IOP.

Date: 04/11/2024

(Dr. Pramod Kumar)

Place: Kalaburagi