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Dr. NAVJOT KAUR

Teaching Experience Presently serving as Assistant Professor in Computer Science Department at Punjabi University Neighbourhood Campus, Maur since May 2022.

Also served as Assistant Professor in Electronics and Communication Department at Punjabi University Neighbourhood Campus, COEM Rampura Phul from July 2011 to April 2022.

Professional Qualification Doctorate of Philosophy from Guru Kashi University, Talwandi Sabo, Dist Bathinda (Punjab), session 2018-2022.

Master of Technology in Electronics and Communication Engineering from YCoE, Talwandi sabo, Bathinda (Punjab) (Punjabi University, Patiala) Session (2009-2011) with 67.3% Marks.

Bachelor of Engineering in Electronics and Communication Engineering from BGIET, Sangrur (Punjab Technical University, Jalandhar) Session (2005-2009) with 66.4% marks.

Educational Qualification 10+2 from G.N.D.P.S., Bathinda, (P.S.E.B, Mohali) Session (2004-2005) with 49% marks.

Matric from B.M.S., Rampura Phul, (P.S.E.B, Mohali) Session (2000-2001) with 73.8% marks.

Thesis Title Performance Improvement in Fractal Antenna for Multiband Wireless Communication using Various Techniques (Ph.D)

Design and Simulation of Cross Dipole Hybrid Koch Fractal Antenna for Wireless Communication. (M.Tech)

Area of interest Fractal antennas, Micro`strip antennas.

Personal Profile Date of Birth January 27th, 1988

Father's name S. Gurbans Singh

Mother's name Smt. Daljeet Kaur

General Orientation Courses and Refresher Courses

1. 17th Orientation Course organized by UGC- ASC Punjabi University Patiala, from 10-7-2013 to 06-08-2013.
2. Refresher Course in Professional Courses ID: Electronics and Communication Engineering organized by UGC- HRDC Punjabi University Patiala, from 04-05-2015 to 23-05-2015.

Winter Summer School/STC/FDP

1. Short term Course in GSM & CDMA organized by Electronics and Communication Engineering dept. of NITTTR, Chandigarh from 19-05-2014 to 23-05-2014.
2. Faculty Development Programme On BIG DATA ANALYTICS USING MACHINE LEARNING TECHNIQUES organized by SBS State Technical campus, Ferozpur from December 9-20, 2019.

List of Awards

1. I2OR Awards 2018 for Promising Researcher Award in ECE.
2. RACE-2019 Bangkok Award for Outstanding Researcher.
3. ITSR Foundation Awards 2019 for Best Young Researcher (Female).
4. The International American Council for Research & Development awards 2019 for International Best Young Faculty Award.
5. Indo-Thai academic Award 2019 for Best Educator.

List of Publications:

International and National Journals

1. Navjot Kaur, Jagtar Singh and Mahendra Kumar, "Hexagonal Ring Shaped Dual Band Antenna Using Staircase Fractal Geometry for Wireless Applications." *Wireless Personal Communications* 113.4 (2020): 2067-2078.
2. Navjot Kaur, Balwinder kaur and Jagtar singh , "Cross Dipole Hybrid Koch Fractal Antenna for Wireless Communication", *International Journal of Electronics Engineering Research (IJEER)*, Vol.9 (3), pp. 363-367, 2017.
3. Balwinder kaur, Navjot Kaur and Rachpal singh, "A Study of Energy Saving Techniques in Green Cloud Computing.", *Advances in Computational Science and Technology*, Vol.(10),pp. 1191-1197, 2017.
4. Gagandeep kaur, Sukhwinder singh and Navjot kaur, "Minimum Latency Data aggregation in wireless Sensor network", *International Journal of Computer Applications*, Vol. 134, No. 12, 2016.
5. Karamjot kaur, Sukhwinder singh and Navjot kaur, "Dynamic Data aggregation in wireless Sensor network", *International Journal of Computer Applications*, Vol. 134, No. 12, pp. 25-29, Jan 2016.

6. Kaur, N., Sivia, J. S., and Kumar, M. (2022). "Design of Miniaturized Stair Case Fractal Geometry Based Planar Monopole Antenna for Multiband Wireless Communication Applications", Accepted in International Journal of Mechanical Engineering.
7. Kaur, N., Sivia, J. S., and Kumar, M. (2022). "A Design of Planar Monopole Antenna for Wireless Applications", Wireless Personal Communications, 1-18.
8. Kaur, N., Sivia, J. S., and Kumar, M. (2021). "Design of Nested Circular Ring-Shaped Ultra-Wideband Antenna Loaded with SRR and Defected Ground Plane." Wireless Personal Communications, 1-17.
9. Kaur, N., Sivia, J. S., and Kumar, M. (2021). "SRR and Rectangular Stubs Loaded Novel Fractal Antenna Realization for Multiband Wireless Applications." Wireless Personal Communications, 1-19.

International and National Conferences

1. Navjot Kaur presented paper on "Importance of education in Transforming the Lives of Women", in 10th International Conference on 'Transforming Lives of the Unreached Women through Collective Activism' held at Punjabi University, Patiala on 16th & 17th Nov. 2018.
2. Navjot Kaur presented paper on "Simulation Based Comparative Analysis of Proactive Routing Protocol: OLSR and DSDV ", in National Conference on 'Advances in Wireless Communication and Mathematics' held at Punjabi University Guru Kashi College, Talwandi Sabo on 2nd December 2018.
3. Navjot Kaur presented paper on "The role of technology to implement SDGs: Mobile & Digital Technology", in International Multi-disciplinary Seminar on 'India March towards Development through UN's Sustainable Development goals 2030' held at DAV College Hosiarpur, Pinjab on 20th April, 2019.
4. Navjot Kaur presented paper on "Wireless Sensor Network: Dynamic Data aggregation", in 2nd National Conference on 'Wireless Communication and Mathematics(NCWCM'19)' held at Punjabi University Guru Kashi College, Talwandi Sabo on 1st December 2019.
5. Kaur, N., Kumar, M. and Sivia, J. S., (2022). "Design and Analysis of Wideband Nested Decagon Ring-Shaped Fractal Antenna for Multi-standard wireless Application", 9th International Conference on Advance Research and Innovation.
6. Kaur, N., Kumar, M. and Sivia, J. S. (2021). "Fractal Antenna design for Various Wireless Applications" IEEE Technically Sponsored 9th International Conference on Advances in Engineering and Technology.

(NAVJOT KAUR)