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 | Name : KIRANPREET KAURPresent Position : Astt. Prof.(Selection grade)Qualification : M.Tech. , Ph.D.Email : kiranpreet.kaur@bbsbec.ac.in |
| Name of Department | KIRANPREET KAUR |
| Field of Specialization | WIRELESS COMMUNICATION |
| Experience ( in year with brief description) | 19.6 years |

PUBLICATIONS, RESEARCH PAPERS, ARTICLES/BOOKS

**Research Papers Published in Journals**

1. **Kaur, Kiranpreet**, Kamal, T.S., and Ubhi, J.S., “Analysis of Symbol Error Rate for η-µ/κ-µ Fading Channel” International Journal of Modern Electronics and Communication Engineering (IJMECE), Vol. 7, Issue 2, pp.58-61, 2019.
2. **Kaur, Kiranpreet**, Kamal, T.S., and Ubhi, J.S., “Performance Analysis of DE-QPSK and π/4 QPSK with MRC Receiver over κ-µ Fading Channel” International Journal of Computer Applications, Vol. 180, Issue 12, pp. 26-29, 2018.
3. **Kaur, Kiranpreet**, Kamal, T.S., and Ubhi, J.S., “Performance Analysis of DE-QPSK and π/4 QPSK with MRC Receiver over η-µ Fading Channel” Journal of Communication Engineering & Systems, Vol. 8, Issue 3, pp.53-59, 2018.
4. Kohli, Gurpreet Kaur**, Kaur, Kiranpreet,** “Fast Iterative Channel Estimation with Original Symbol Phase Rotated Secure Transmission against Powerful Massive MIMO Eavesdropper” International Journal of Applied Engineering Research, Vol. 13, Issue 12, pp 10714-10721, 2018.
5. Kohli, Gurpreet Kaur**, Kaur, Kiranpreet, “**A Survey - Various Challenges for Secure Wireless Data Transmission in Massive MIMO” International Journal of Advance Engineering and Research Development, Vol. 5, Issue 3, pp 673-677, 2018.
6. Kaur, Prabhpreet and **Kaur, Kiranpreet**, “Comparative analysis of diversity combining over TWDP fading channel”, International Journal of Modern Electronics and Communication Engineering (IJMECE),Vol.No.4 , Issue No.3, pp 31-34, May 2016.
7. Kaur, Prabhpreet and **Kaur, Kiranpreet**, “Comparative Analysis of TWDP Fading Channel using Different Modulations and Diversity Combining Techniques”, International Journal of Advanced Research in Computer and Communication Engineering Vol. 5, Issue 6, pp 188-191, June 2016.
8. Aggarwal, Nitika and **Kaur, Kiranpreet**, “An Energy Efficient approach for routing in WBAN”, International Journal of Computer Science and Mobile Computing, Vol. 5, Issue 5, pp 501-506, May 2016.
9. Malhotra, Guarav and **Kaur, Kiranpreet,** “Optimization of throughput in MANETs against black hole attack using genetic algorithm”, IJEEE, Vol. 3, Issue 3, pp 9-11, June 2016.
10. Amol, Rattan and **Kaur, Kiranpreet**, “Performance Analysis of Hoyt Fading Channel for M-ary and Monte Carlo Simulation***”*** International Journal of Advanced Computronics and Management Studies (IJACMS), Vol. 1, Issue 3, , pp 13-19, May 2016.
11. Sweeti, **Kaur, Kiranpreet** and Kaur, Kamaljit, “ Performance Analysis of L-MRC Receiver over Nakagami –q (Hoyt) Flat Fading Channels” International Journal of Advanced Research in Electronics and Communication Engineering, vol. 5, Issue 2, pp 185-187, Feb2016.
12. Kaur, kamaljit, **Kaur,Kiranpreet**, “Performance Analysis of MMSE receiver in SM-MIMO systems over Nakagami-m flat fading channels”, Advanced Research in Electrical and Electronics Engineering, Vol. 2, No. 9, pp. 26-29, Jun 2015.
13. Puri, Sunakshi, **Kaur, Kiranpreet** and Kumar,Naveen, “ A Review of Antennas for Wireless Communication Devices” International Journal of Electronics & Electrical Engineering, vol.2, no. 3, pp199-201, 2014.
14. Kaur, Rajbir and **Kaur Kiranpreet**, “BER Performance of Conventional and Multiuser Detection Techniques in CDMA” international journal of advances in computing and information technology, pp 287-295, Jul 2012.
15. Chugh, Himani, **Kaur, Kiranpreet,** “Design and Development of Inner and Outer Interleavers for 16/64 QAM-QPSK and their comparative Analysis” International journal of systems, algorithms and applications, vol. 2, Issue 6, pp 6-8, Jun 2012.

1. Sharma, Neetu, **Kaur, Kiranpreet,** “Performance Evaluation of Optical Combinatorial

Code for Potentially Increasing Number of Users” International Journal on Computer Science & Engineering, vol. 1, Issue 8, pp476-479, Sep 2011.

1. **Kaur, Kiranpreet**, Kaur, Magandeep, Mittal Ruchi, “Improvement in Capacity and Signal Strength Using LMS Algorithm”International Journal of Computer Applications (0975-8887),vol. 1, no. 5, pp103-107, Feb 2010.
2. Kaur, Sukhpreet, **Kaur, Kiranpreet**, Uppal, R.S., “Power Control Algorithms in Wireless Communication” International Journal of Computer Applications (0975-8887), vol. 1, no. 12, pp86-91, Feb 2010.
3. **Kaur, Kiranpreet**, Muntenja, Vikram, Gill, Inderjeet Singh, “Fuzzy Logic Based Image Edge Detection Algorithm in MATLAB” International Journal of Computer Applications (0975-8887), vol. 1, no. 22, pp57-60, Feb 2010.

 **Research Papers Published/ Presented in National / International Seminars/Conferences**

1. Kaur Kamaljit, **Kaur,Kiranpreet**, “pCell Technology-A user centric approach in Cellular Technology”, National Conference on Advances in Electrical & Electronics Communication Engineering, pp. D52-D54, Feb 2015, BBSBEC, Fatehgarh Sahib, India.
2. Kaur kamaljit, **Kaur,Kiranpreet**, “Performance Analysis of MMSE receiver in SM-MIMO systems over Nakagami-m flat fading channels”, International Conference on Advances in Electrical, Power control Electronics and Communication Engineering, Jun 2015, Jawaharlal Nehru University, New Delhi,.
3. Kaur, Amrit , **Kaur, Kiranpreet**, “Various codes used for OCDMA system-a review”, National Conference on Electrical and Electronics Communication Engineering, Feb 20-21, 2015, pp. D67−D69, Baba Banda Singh Bahadur Engineering College, Fatehgarh Sahib, Punjab.
4. Kaur, Amrit, **Kaur, Kiranpreet**, Dhawan, Divya, Singh, Avtar*,* “Performance Evaluation of OCDMA System using MATLAB with ZCC Code”, Wireless Communications (WC 2011) IASTED International Conference, pp. 32−37, June 1− 3, 2011, Vancouver, BC, Canada,
5. **Kaur, Kiranpreet**, Kaur, Magandeep, Mittal Ruchi, “Improvement in Capacity and Signal Strength Using LMS Algorithm” International Conference on Futuristic Computer Applications 2010” , March 20 – 21, 2010, IISc. Bangalore, India.
6. Kaur, Sukhpreet, **Kaur, Kiranpreet**, Uppal, R.S., “Power Control Algorithms in Wireless Communication” International Conference on Futuristic Computer Applications 2010”, March 20 – 21, 2010, IISc. Bangalore, India.
7. **Kaur, Kiranpreet,** Muntenja, Vikram, Gill Inderjeet Singh, “Fuzzy Logic Based Image Edge Detection Algorithm in MATLAB” International Conference on Futuristic Computer Applications 2010” , March 20 – 21, 2010, IISc Bangalore, India.
8. Kaur, Amrit, **Kaur, Kiranpreet**, Singh, Supreet, “Zero Cross Correlation (ZCC) code Implementation for optical CDMA applications”, National Conference on Computing, Communication and Control 2009, pp. 1−4,October 23-24, 2009, Panjab University, Chandigarh.
9. **Kaur, Kiranpreet**, Singh, Tripatjot, “Multi-input Multioutput Wireless Systems-An Overview” Proceedings; “Exploring the Latest Technological Trends”, pp117-120, Nov. 25 – 26, 2005, BBSBEC, Fatehgarh Sahib.
10. Kaur, Gurmeet, Kaur, Sarabpreet, **Kaur, Kiranpreet**, “Fuzzy Control: When to use” Proceeding; “ECCS–2004”, pp 162-165, Sept. 23 – 24, 2004, TIET, Patiala.
11. Kukreja, Divya, **Kaur, Kiranpreet**, “Programmable Logic Controller” Proceedings; “RTCS – 2004”, pp299-303, May 21 – 22, 2004, BBSBEC, Fatehgarh Sahib.
12. Singh, I.P., **Kaur, Kiranpreet**, “DSP and Power Electronics” Proceedings; “RTCS-2004”, pp200-203, May 21 – 22, 2004, BBSBEC, Fatehgarh Sahib.
13. Kaur, Gurmeet, Kaur, Sarabpreet, **Kaur, Kiranpreet**, “Intelligent Manufacturing with Fuzzy logic”, Proceedings; “Advanced Manufacturing Systems”, pp129-133, March 26-27, 2004, BBSBEC, Fatehgarh Sahib.
14. Kaur, Kulwinder, **Kaur, Kiranpreet**, “Implementation of channel coding Techniques using FPGA”, Proceedings;“Cutting Edge Technologies in Electronics Comm.” pp 5-7, March 14th 2004, SHSUCIET, Longowal.
15. Kaur, Rajpreet, **Kaur, Kiranpreet**, Kaur, Sukhwinder, “Barriers to Women in Science & Technology” Presented at International Conference on “Women in Sc. Is the glass ceiling disappearing” March 8–10, 2004, NISTADS, New Delhi.
16. **Kaur, Kiranpreet**, Kaur, Rajpreet, “Synchronous Optical Network” Presented at All India Seminar on “Photonics: Emerging Sc. & Tech.”, Feb.14–5, 2004, GTBKIET, Malout.
17. Kaur, Sarabpreet, **Kaur, Kiranpreet**, “Fiber Optic Components” Presented at All India Seminar on “Photonics: Emerging Sc. & Tech.”, Feb.14–15, 2004, GTBKIET, Malout
18. **Kaur, Kiranpreet**, “Specific Input ESD Protection Devices for Low and High Voltage CMOS Integrated Circuit Technology”, Proceedings;” Microchip Design and Technology” pp118-124, March 6-8, 2003, MSIT, Delhi.

 **Short-Term Training Programmes/Workshops**

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| Sr. No. | Name | Organization / Institute | Duration |
| 1 | Role of Embedded System in Wireless Sensor Network | IEI & BBSBEC FGS | Two day from 11/10/18 to 12/10/18 |
| 2 | Advanced Wireless Communication AND its Implications | IEI & BBSBEC FGS | One week from 10/9/18 to 14/9/18 |
| 3 | Mobile Application Developement | AICTE-ISTE BBSBEC FGS | One week from 9/7/18 to 14/7/18 |
| 4 | Mathematical modelling using PetriNet & Optimization of systems | BBSBEC FGS | One day workshop on 20/4/2018 |
| 5 | Cyber Security and Big Data Analytics  | BBSBEC FGS  | One week from 26/2/18 to 2/3/18 |
| 6. | Effective Technical Writing Using LaTex | MRSPTU, Bathinda sponsored organized by BBSBEC,FGS. | One week from 3/7/17 to 7/7/17 |
| 7. | Achieving Excellence in Teaching & Learning: Synergic Actions | BBSBEC,FGS, Bulls Eye Chandigarh,Trinity chandigrh | One week from 23/5/16 to 27/5/16 |
| 8 | Future Trends Of Broadband Wireless Communications & Networking | AICTE sponsored Organised by SLIET, Longowal | Two week from 9/12/13 to 20/12/13 |
| 9 | **MATLAB & Simulink for Engineering education,** complimentary seminar | Organised by MathWorks India at chandigarh | One day , 6/3/13 |
| 10 | MATLAB & its applications & Implementation of WN’s on FPGA/CPLD | BBSBEC, Fatehgarh sahib | Five day from July 2-6,2012 |
| 11 | Secrets of Gurus | BBSBEC, Fatehgarh sahib | Two days from Dec 14-16, 2010 |
| 12 | Biomedical Signal Processing, Imaging and Engineering application | BBSBEC, Fatehgarh sahib | Two days from July 23- 24, 2010 |
| 13 | Application of Lab VIEW in Engineering | BBSBEC, Fatehgarh sahib | Three days from July 21- 23, 2010 |
| 14 | Human Values | BBSBEC, Fatehgarh sahib | Two days from July 16- 17, 2010 |
| 15 | Emotional Intelligence for Organizational excellence | BBSBEC, Fatehgarh sahib | Three days from July 12- 14, 2010 |
| 16 | Lean Manufacturing: Today and Tomorrow | BBSB Engg. College, Fatehgarh Sahib | Two week from Dec 8-19,2008 |
| 17 | Design of Experiment | BBSB Engg. College, Fatehgarh Sahib | Two week from Dec. 6-17,2004 |
| 18 | Effective Teaching Skills | BBSB Engg. College, Fatehgarh Sahib | One Day 16Jan, 2004 |
| 19 | Entrepreneurship Development | T.T.T.I.Chandigarh.  | One week from Sep.9-26,2003 |
| 20 | Effective Teaching skills | T.T.T.I. Chandigarh.  | One week from Aug.4-8,2003 |
| 21 | Digital Signal Processing | T.T.T.I.,Chandigarh | One week from July 28-Aug 1,2003 |
| 22 | Workshop on VHDL | BBSBEC, Fatehgarh Sahib | 1-Day on April25,2003 |
| 23 | Optical Fiber -Technology & application | G.N.E.Ludhiana | Two week from Dec 9-21,2002 |
| 24 | Modeling & Simulation of Engg.System | B.B.S.B.E.C,Fatehgarh Sahib | Two week from July 15-26,2002 |