

Name: Ms. Mansi Rastogi

Designation: Visiting Professor

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School: GSFC University (Technology)



Research Interest:

- **Wireless Communication**

Academic Background:

Degree	Subject	University	Year
<u>PhD</u>	<u>ECE</u>	<u>GTU</u>	<u>Pursuing</u>
<u>M.E</u>	<u>ECE</u>	<u>Panjab University</u>	<u>2014</u>
<u>B.Tech</u>	<u>ECE</u>	<u>U.P.T.U.</u>	<u>2005</u>

Professional Experience:

From	Period	Position	Organisation
<u>March 2015</u>	<u>May 2021</u>	<u>Assistant Professor</u>	<u>BITSEdu Campus</u>
<u>Aug 2006</u>	<u>June 2012</u>	<u>Assistant Professor</u>	<u>BIT Meerut</u>
<u>Sep 2005</u>	<u>July 2006</u>	<u>Lecturer</u>	<u>BIT Muzaffarnagar</u>

Teaching Engagements:

Title	Course Code	Class Name	School Name
<u>Basics of electrical & Electronics</u>	<u>BTEC101</u>	<u>CSE-1st Sem (Div1 &2)</u>	<u>School of Technology</u>

Publications:

○ **JOURNAL**

- “A SURVEY ON SIDELINK CHANNEL AND RESOURCE ALLOCATION”, accepted on 12th Oct 2022 in the conference icSoftComp2022 to be held in December.

- **“Determining the Structure of Digital Pre-distortion Model using Adaptive algorithm for RF power amplifier”**, accepted on August 2022 in international journal of intelligent engineering & systems.
- **“Re-configurable Optimized Area Turbo Decoder for Wireless Applications,”** at International Organization of Scientific Research Journal of Electronics and Communication Engineering (IOSR-JECE), Vol. 9, Issue 2, pp. 68-73, Mar-Apr 2014.
- **“Area Efficient Turbo Encoder for Wireless Applications on FPGA,”** at International Journal of Electronics Communication and Computer Engineering, Vol. 5, Issue 2, pp. 426-430, April 2014.
- **“Design and Simulation of Turbo Codec for Error Reduction Using MSOVA Algorithm,”** at International Journal of Electronics Communication and Computer Engineering, Vol. 4, Issue 5, pp. 1535-1540, Sep-Oct 2013.
- **“FPGA Based Area Efficient Turbo Decoder for Wireless Communication,”** at International Journal of Engineering Research and Applications, Vol. 3, Issue 5, pp. 1899-1904, Sep-Oct 2013.

○ **INTERNATIONAL CONFERENCE**

- **“Re-configurable Optimized Area CTC Codec for Wireless Applications,”** at Proceedings of the International Conference on Advances in Computing, Communications and Informatics (ICACCI-2014), GCET, Greater Noida, pp. 2549-2553, September 2014 (*Archive in IEEE Explore and Scopus*) <http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=6949764>.
- **“FPGA based Design of TBCC HARQ Encoder and Decoder for wireless Communication,”** at Proceedings of the International Conference on Communications, Networking and Signal Processing (ICCNASP-2013), VIT University, Vellore, pp. 308-311, September 2013.

○ **NATIONAL CONFERENCE**

- **“Hardware Implementation of Digital Watermarking,”** at Proceedings of the National Conference on Advances in VLSI, Embedded & Communication (AVEC-2010), AFSET College, Faridabad, pp. 1-8, August 2010.
- **“The Future of Brain Machine Interface (Mind Control Robot),”** at Proceedings of the National Conference on Technological Innovations, BRCM College, Bhiwani, pp. 402-407, October 2008.

Awards/Recognitions:

- **Conducted a Tutorial Session** on "Recent Trends in UWB and its Applications" in an international e-Conference on Intelligent Systems and Signal Processing (e-1SSP 2020) organized by Electronics & Communication Engineering Department of GH Patel College of Engineering & Technology during 28-30 December, 2020.
- Completed **2 months online training on "Internet of Things and Machine Learning"** from bolt: IOT platform, April 2020.
- **Among Top 5% and Silver Medal in NPTEL** online certificate course on Basics of Software Defined radios and Practical Applications, Jan-Feb 2019.
- **Among Top 5% and Silver Medal in NPTEL** online certificate course on CMOS Digital VLSI Design, Jan-Feb 2019.
- "Probability and Random Variables for Wireless Communication," at Proceedings of the "NPTEL online certification, sponsored by Aricent, October 2015.