



MANAV RACHNA UNIVERSITY, FARIDABAD

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BHANU PRATAP CHAUDHARY

Designation : Assistant Professor

Qualifications : Ph.D.(P) (Wireless Communication)

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<https://scholar.google.com/citations?user=8XJxirwAAAAJ&hl=en&authuser=1>



Research Interest: VLSI Design, MEMS, NOMA, Cooperative communication, Cooperative NOMA

+ Journal Publication Details:

Chaudhary BP, Shankar R, Mishra RK. "A tutorial on cooperative non-orthogonal multiple access networks". *The Journal of Defense Modeling and Simulation*. February 2021. doi:10.1177/1548512920986627

Meenakshi Gupta, Dr. V. K Sharma & Bhanu Pratap Chaudhary, "Design an Operational Amplifier as a building block of Analog to Digital converter in 350 nm technology", paper published in *ESCI Indexed Journal of Taylor And Francis through International Conference of data sciences, security and applications 2019*, March 2019.

Suja K J, Bhanu Pratap Chaudhary, Rama Komaragiri, "Design and simulation of pressure sensor for ocean depth measurement", *Advanced Material Research Journal* (ISSN: 1022-6680) 2012.

Bhanu Pratap Chaudhary, Shivani Singh, Surabhi Sharma, "Simulation Based Study on Different Types of Diaphragm for MEMS Based Pressure Sensors", *International Journal of Innovative Research in Computer and Communication Engineering, Vol. 4, Special Issue 4*, August 2016

+ Conference Details:

Bhanu Pratap Chaudhary ,Kulwanth Singh, Suja K J ,Soney Varghese, J. Akhtar A , "A new method to find MEMS based Pressure sensor for high Linear Range Applications", *International Conference on VLSI, MEMS & NEMS: VMN-2012*, Jan 24th – 25th January 2012.

Bhanu Pratap Chaudhary , Surya Raveendran , Suja K J, Rama Komaragiri, "Analysis of Diaphragm geometries for MEMS based pressure sensors", *National Conference on Communication Networks and Sensor Technology, NCCNS-12*, 23rd – 24th March 2012.

Suja K J, Bhanu Pratap Chaudhary, Rama Komaragiri, "Design and simulation of pressure sensor for ocean depth measurement", 8th *International Conference on Mems, Nano and Smart Systems ICMENS 2012*, Oct 26-27, 2012 Shatin, Hongkong .

Suja K J, Bhanu Pratap Chaudhary ,Rama Komaragiri, "Study of Diaphragm Architecture of a MEMS Pressure sensor to improve dynamic range", 5th *ISSS National conference on MEMS, Smart Materials, Structures and Systems*, 21st-22nd September 2012.

+ Research Supervised:

Surabhi Sharma, R.K.Yadav, **Bhanu Pratap Chaudhary**, “**Analysis and Characterization of AlGaIn-GaN HEMTs for Microwave power applications**”, *International Journal of Innovative Research in Computer and Communication Engineering*, Vol. 4, Special Issue 4, August 2016.

Surabhi Sharma, R.K.Yadav, **Bhanu Pratap Chaudhary**, “**Analytical Modeling of Dual Material Gate AlGaIn-GaN HEMTs**”, *International Journal of Innovative Research in Computer and Communication Engineering*, Vol. 4, Special Issue 4, August 2016.

+ Administrative Responsibilities:

“Member of Placement cell 2015-2018”

“Mentor for 2020 batch”