

**FACULTY OF UMA NATH SINGH INSTITUTE OF ENGINEERING AND
TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION
ENGINEERING**



NAME: RITESH BARANWAL

DESIGNATION: ASSISTANT PROFESSOR

PROFILE SUMMARY:

- 15 years' experience in Teaching **since 25 August 2008** in Department of **Electronics & Instrumentation Engineering** Purvanchal University, Jaunpur-222003.
- Through understanding of the Subject.
- Well Skilled in Communication & Comprehension.

QUALIFICATION:

- Passed B. Tech in Electronics and Instrumentation Engg from VBS Purvanchal University, Jaunpur in 2007.
- Passed M. Tech in “**Communication System**” Department of Electronics & Communication Engg. from SHUATS, AAI, Prayagraj in 2012.
- Pursuing Ph.D. (Electronics Engineering) from Department of Electronics Engineering, VBS Purvanchal University, Jaunpur.

AREA OF INTEREST:

- Next Generation wireless Communication System, 5G, 6G, OTFS.

RESEARCH PAPER:

- Publish paper in INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH PUBLICATION “**Performance Evaluation of different phase rotation on OFDM signals**” Vol.2, Issue 5, May 2012.
- Publish paper in INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN COMPUTER & COMMUNICATION Engineering “**Optimization of PAPR using HPA & Amplitude clipping reduction technique**”, Vol.3, Issue 4, April 2014.
- Publish Paper in International journal of Computer science & Engineering Technology “**Effect of different Modulation on PAPR & its reduction**”, Vol.3, No.8, Aug 2012.

- Published paper in ADBU- Journal of Engineering Technology “**Performance Optimization of Peak to Average Power Ratio in FBMC Waveforms**” Vol.10, Issue 4, December 2021.
- Published paper in Inderscience Publication- International Journal of Wireless and Mobile Computing “**Performance evaluation of FBMC versus OFDM in tapped delay line Doubly Selective Channels**” Vol.24, No. 1, January 2023.
- Present Research Paper in ICOCS 2022 “**Performance Analysis of Prototype filters in FBMC waveform for next Generation Wireless Communication System**”, 29 & 30 April 2022.
- Present Research Paper in ICMIAR-2023 “**Performance Improvement of FBMC Waveforms for Next Generation Communication System**”, 17 & 18 March 2023.

FDP/WORKSHOP/STC:

- 40 + Faculty Development Program, STC, Workshop attended in IIT, IIIT & Industries.

AWARDS:

- Achieve “**Silver Medal** “in M.Tech.

SKILL:

- Mastery of Subject Matter.
- **Major Field-Signal & System, Control System, Electronics Engineering, Electronics Circuit, Fundamental of Electronics Devices, Instrumentation Engineering, Control System.**
- Able to recognize positive and negative behavior of Student.
- Ability to identify students’ weak areas.
- I recommend my students have to go for training in BHEL, NTPC, BEL, IIT Kanpur, IIT Delhi, IIIT Allahabad, IIT BHU etc.