

## **Dr. Jitendra Raghuwanshi**

Assistant Professor(SG)

**Education:** B.E. (IET DAVV, Indore), M. Tech. (IIT Delhi), Ph.D.

**E-mail:** jitendra.raghuwanshi@juet.ac.in

**Contact No.** : Ext. - 123

**Areas of Interest:** Signal Processing, Soft-computing, Artificial Intelligence

### **Brief Profile:**

Dr. Jitendra Raghuwanshi received a B.E. (Electronics & Instrumentation) from the Institute of Engineering and Technology, Devi Ahilya University, Indore in the year 2004 and M.Tech (Control & Automation) degree from IIT Delhi in the year 2008. He completed Ph.D. on "Performance Augmentation of Adaptive Filter for Nonlinear Acoustic Echo Cancellation Schemes", from JUET Guna in 2021. He worked as faculty at SVITS, Indore from 2004 to 2006. Mr. Jitendra Raghuwanshi has five years of industry experience. He worked as a product developer with BMC Software Pvt. Ltd. from 2008 to 2013, where he worked on Computer Networking and Cloud Computing solutions. He joined Jaypee University, Guna in July-2013. His area of interest is artificial intelligence, soft computing, control systems, embedded systems.

### **Academic Activities:**

1. Faculty Counselor (II Year): 2019-20
2. Faculty Counselor (III Year): 2017-18
3. PG Counselor: 2017-18
4. Department Portal/ Profile Incharge: 2017-18
5. Laboratory Purchase Incharge: 2017-18

### **Administrative Experiences:**

1. Hostel Warden, Boys Hostel, Jaypee University of Engineering and Technology, Guna for two years.
2. Member, Arts and Events Wing, Jaypee Youth Club (JYC), Jaypee University of Engineering and Technology, Guna for session 2015-16.
3. Training and Placement Incharge, Department of Electronics and Communication Engineering, Jaypee University of Engineering and Technology, Guna from July 2018 to 2019.

### **Publication@JUET**

#### [Google Scholar Profile Link](#)

1. Jitendra Raghuwanshi, Amit Mishra, Narendra Singh "The Wavelet Transform-Domain Adaptive Filter for Nonlinear Acoustic Echo Cancellation" , Multimedia Tools and Applications, 79 (35), pp. 25853-25871, July 2020. DOI: 10.1007/s11042-020-09218-5 (Impact factor: 2.313) (SCI Index)
2. Jitendra Raghuwanshi, Amit Mishra, Narendra Singh "Combined functional link adaptive filter for nonlinear acoustic echo cancellation" , Analog Integrated Circuits and Signal

Processing, 105 (2), 249-262, September 2020. DOI: 10.1007/s10470-020-01719-5 (Impact factor: 0.925) (SCI Index)

**Workshops and FDP Attended:**

1. One week Faculty development program on "VLSI Design using Open source -Methodologies & Challenges in Digital Integrated Circuits and Memory design" organized by E&ICT Academies of IIT (Roorkee, Guwahati), MNIT Jaipur, NIT Patna, 16th Dec.- 20th December 2019.
2. Two days national workshop on "Application of MATLAB in Science and Engineering" organized by Department of Electronics and Communication Engineering department, JUET, Guna, 11-12th February 2017.
3. Three days national workshop on "High-Performance VLSI Architecture for Digital Signal Processing Applications: Design and Implementation" organized by MPCST and JUET, Guna, 9-11th September 2016.
4. Three days national workshop on "VLSI Design" organized by JUET, Guna, 14-16th July 2015.