



School: Engineering and Technology, GGV

Department: Electronics & Communication Engineering

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Personal Webpage Link: Nil

Name: Deepak Kumar Rathore

Designation: Assistant professor

Date of joining: 04/08/2011

Qualifications:

PhD (Pursuing) from IIT Guwahati

M.Tech. (ECE) from NIT Kruksheeta in 2009

B.E. (ECE) from RGPV Bhopal in 2007

Area of Interest: Wireless Communication, Communication Networks, Next-generation wireless communication technologies, massive MIMO systems, Antenna selection, Physical layer security, Network Security.

Experience: 12 Years

Awards and Honors: ---

Research Projects: ---

International Collaboration/Consultancy: ---

Best Peer Reviewed Publication (up-to 10):

Journals

[1] Nikhil Marriwala, H. Punj, S. Panda, I. Kaur and **Deepak Rathore**, et al. “An Authentication Based Approach for Prevention of Spectrum Sensing Data Falsification Attacks in Cognitive Radio Network”, Springer, Wireless Personal Communications, Nov. 2021, <https://doi.org/10.1007/s11277-021-09329-8>.

Patents

[2] Nikhil Marriwala, **Deepak Rathore**, et al. "A Method for Reliable and Energy Efficient Data Transfer Routing Protocol in Wireless Body Area Networks" Australian Patent Application No. 2021103085, June 2021. (Granted)

[1] Nikhil Marriwala, **Deepak Rathore**, et al. "Adaptive clustering Based Energy Efficient System for Intelligent Routing in Wireless Sensor Networks" Australian Patent No. 2021101073, Feb. 2021. (Granted)

International Conference

[1] **D. Rathore**, S. Kashyap and A. Rajesh, "On the Efficacy of Antenna Selection at the Massive Antenna Jammer," 2020 International Conference on Signal Processing and Communications (SPCOM), Bangalore, India, 2020, pp. 1-5, <https://doi.org/10.1109/SPCOM50965.2020.9179584>.

National Conference

[2] **Deepak Kumar Rathore** "Simulation and BER Analysis of the BS Transceiver for IEEE 802.16e WirelessMAN-OFDM PHY Air-interface" National Conference COMMUNE-09 at NIT Kurushetra 2009.

[1] Sanjeev Saini, Ram Sewak Singh, **Deepak Kumar Rathore** "Peak to Average Power Ratio Reduction in OFDM System by Clipping Technique" 2nd National Conference on Advanced Computing & Communication Technologies (NACCT-2012) held on 28-29 Sept. 2012 at RPIIT Karnal, pp 75-78.

Fellowship

[1] Summer Faculty Research Fellowship at Indian Institute of Technology Delhi under AICTE Continuing Education Programme of Two Months Summer Faculty Research Fellow Programme-2011 from 13/05/2011 to 15/07/2011 at IIT Delhi.

M.Tech Thesis

[1] Deepak Kumar Rathore "Characterization of Physical Layer in IEEE 802.16e Standard" M.Tech. Thesis, 2009, National Institute of Technology.

Recent Books/Book Chapters/Monographs etc.: ---

Research Supervision: ---

Administrative Responsibilities: ----

Additional Information:

Orientation/ Refresher Course Attended

[2] Orientation course organized by UGC-Human Resource Development Centre, Lakshmibai National Institute of Physical Education Gwalior held on February 02-29th 2016 at LNIPE Gwalior.

[1] Refresher Course on “Research methodology (Interdisciplinary)” organized by UGC-Human Resource Development Centre GGV Bilaspur held on March 13th – July 02nd 2016 at GGV Bilaspur.

FDP/Workshop Attended

[10] One-week FDP by AICTE Training and Learning (ATAL) Academy on “Signal Processing and Machine Learning towards Engineering Application” at held on August 23-27th 2021 at North Eastern Regional Institute of Science and Technology (NERIST) (Online).

[9] One-week FDP by AICTE Training and Learning (ATAL) Academy on “Advanced Communication Systems- A Research Perspective” at held on August 09-13th 2021 at College of Engineering Karunagappally (Online).

[8] One-week FDP on “5G Communications” organized by Electronics & ICT academies IIT Guwahati, under financial assistance of Ministry of Electronics and Information Technology (MeitY) Government of India, held on June 11-15th 2018 at IIT Guwahati.

[7] Short Course on “Technologies for 5G Wireless Communication Networks” organized by Department of Electrical Engineering, IIT Kanpur & BSNL-IITK Telecom Center of Excellence held on July 25-27th 2016 at IIT Kanpur.

[6] Short Term course on “Advanced DSP Design Techniques” organized by Department of Electronics & Electrical Communication Engineering, IIT Kharagpur under Continuing Education Programme held on July 6-10th 2015 at IIT Kharagpur.

[5] AICTE Sponsored Short Term course on “RF and Photonics: Fundamentals & Advances” organized by Department of Electronics & Electrical Engineering, IIT Guwahati under Quality Improvement Programme held on Feb 23-27th 2015 at IIT Guwahati.

[4] Short Course on “Estimation Theory for Communication and Signal Processing” organized by Department of Electrical Engineering, IIT Kanpur & BSNL-IITK Telecom Center of Excellence held on Jan 21-23rd 2015 at IIT Kanpur.

[3] Workshop-cum-Certificate Program on “MEMS & NEMS Fundamentals, Design and Applications” organized by Indian Institute of Technology Hyderabad held on Dec 16-20th 2013 at IIT Hyderabad.

[2] National Workshop on the “Use & Deployment of WEB & Video Courses” organized by Indian Institute of Technology Delhi, Supported by MHRD held on July 02-03rd 2011 at IIT Delhi.

[1] Workshop on “Digital Design & Fabrication Plus Simulation” organized by Hardware Design & development Cell & Department of Electronics, Institute of Technology & Management, Gwalior held on April 09-11th 2005 at ITM Gwalior.