


Name	Poonam Yadav	
Designation	Assistant Professor	
Department	Electronics and Communication Engg.	
Date of Joining	2-08-2011	
Qualifications	B.E, M.Tech., Ph.D.	
Research areas	Wireless channel modelling , 5G and beyond technologies	
e-mail id	poonam@coet.in	
Total Experience	Teaching: 15 years Industry: Nil	

Books/Book Chapters Published:				
S.No.	Title of the Book/Chapter	Name (s) of Author(s)	Publisher	ISBN No./Year of Publication
1	Energy Harvesting-Based Architecture in IoT” in Energy Harvesting enabling IoT Transformation	S. Kumar and P. Yadav	Chapman and Hall/CRC	9781003218760/2022

List of Publications:					
Journals(National/International)					
S. No	Title of the Paper	Name (s) of Author(s)	Name of the Journal	Vol No., Issue No., pp, Year	Publisher
1	Impact of Finite-Sized Aperture on the performance of Differential Multihop DF-FSO Network	D. Agarwal and P. Yadav	International Journal of Electronics and Telecommunication	Vol. 68, No. 4, pp 807-813, 2023	Polish Academy of Sc. Committee of Electronics and Telecommunications
2	A survey on IRS NOMA Integrated Communication System	S. Kumar, P. Yadav , M. Kaur and R. Kumar	Telecomm. System	Vol.80, pp 277-302, 2022	Springer
3	A Comprehensive Survey of Physical-layer Security over Fading Channels: Classifications, Applications, and Challenges	P. Yadav , S. Kumar and R. Kumar	Transactions on Emerging Telecommunications Technologies	Vol. 32, No. 9, pp e4270, 2021	Wiley and Sons

4	A Review of Transmission Rate over Wireless Fading Channels: Classifications, Applications, and Challenges	P. Yadav, S. Kumar and R. Kumar	Wireless Personal Communications	Vol. 22, pp 1709-1765,2021	Springer
5	Analysis of EC over Gamma Shadowed α - η - μ Fading Channel(Extended paper)	P. Yadav, S. Kumar and R. Kumar	IOP Conf. Ser.: Mater. Sci. Eng	Vol. 10, No. 20, pp 1-5,2021	IOP Publishing
6	Effective capacity over Generalized Lognormal composite fading channel	P. Yadav, R. Kumar and S. Kumar	Internet Technology Letters	Vol. 3, No.5,pp e171,2020	Wiley and Sons
7	Energy-Efficient Routing Protocol for Wireless Sensor Networks using Efficient Data Replication and Load Balancing	P.Yadav, Poonam Yadav , A. Aggarwal	International Journal of Computer Science Trends and Technologie	Vol.2, No.4, pp 192-195,2014	IJCST

Conferences(National/International):

S. No.	Title of the Paper	Name (s) of Author(s)	Name of the Conference and Location
1	Analysis of EC over Gamma Shadowed α - η - μ Fading Channel	P. Yadav, S. Kumar and R. Kumar	6 th International Conference on Computers, Management and Mathematical Sciences (ICCM), Itanagar,AP
2	Effective Capacity Analysis over α - κ - μ /Gamma Composite Fading Channel	P. Yadav, S. Kumar and R. Kumar	2nd International Conference on Advances in Computing, Communication Control and Networking (ICACCCN), Greater Noida, UP
3	Throughput Analysis of α - κ - μ Extreme/Gamma Composite Fading Channel	R. Kumar, P. Yadav and S. Kumar	2nd International Conference on Computational Intelligence & IoT (ICCIoT), Nirjuli,AP
4	A Review on Single Phase Z- Source Inverter	P. Yadav and S. K. Singh	ACCESS-2012, Gorakhpur,UP

Workshop/FDP attended :			
S. No.	Name of the Workshop/FDP	Organizer	Date
1	Architecture and Technologies for 5G and Beyond Wireless Networks	Indian Institute of Technology (BHU) Varanasi.	16 th -20 th 2021
2	Patent Law for Engineers and Researchers	Prathyusha Engineering College	26 th - 30 th 2021
3	Photonics	NIT, Karnataka	1 st -5 th Feb 2021.
4	Emerging Technologies (IoT, Robotics and UAV)	CDAC, Mohali	12 th – 16 th Oct 2020.
5	IoT for Healthcare Systems	MCET college of Engineering and Technology, Pollachi	21 st – 29 th Sep 2020.
6	Sensor, IoT & Machine Learning	K. J. Somaiya College of Engineering, Vidyavihar, Mumbai.	1st - 5th June 2020
7	Next Generation Wireless Systems & Standards	JSS Academy of Technical Education, Noida in association with AKTU, Lucknow	29 th Feb -5 th March 2016.
8	Engineering Physics	I.I.T. Bombay	08 th - 18 th Dec, 2015.
9	Modelling & Simulation of Signal processing & Mechatronics systems and implementation on DSP kits through MATLAB	Amity University Noida	01 June 2015
10	Control Systems	I.I.T. Kharagpur and I.I.T. Bombay	2 nd -12 th Dec 2014.
11	Signals & Systems	I.I.T. Kharagpur and I.I.T. Bombay	2 nd -12 th Jan 2014.
12	Analog Electronics	I.I.T. Kharagpur and I.I.T. Bombay	4 th -14 th Jan - 2013
13	Akash For Education	I.I.T. Bombay	10 th & 11 th Nov 2012
14	Research Methods in Educational Technology	I.I.T. Bombay	Feb 2013

Workshop/FDP organized :

S. No.	Name of the Workshop/FDP	Organized by	Date	Role
1	2 week FDP on “Control Systems”	IIT, Kharagpur	2-12 Dec 2014.	Workshop coordinator

Membership of Professional Bodies:

1. ISTE -LM81234 (Life time)

Technical and Administrative Responsibilities:

1. Spoken tutorial departmental coordinator since 2016.
2. Industrial project and training in charge during the academic session 2012-13.
3. Coordinator of SYNERGY.
4. Convenor of Institute’s Innovation Council(IIC).

Any other information you would like to share about your professional experience:

In the year 2020-21 my research paper “Effective capacity over Generalized Lognormal composite fading channel” was the top cited article in “Internet Technology Letters”.