

## **Faculty Profile**

Title	DR.	First Name	SOURAH	Las Nan	t ne	PATH	IAK	Р	hotograph	
Designation ASSISTAN		ASSISTANT	T PROFESSOR							
Depart	ment	Electronics &	Communication E	Engine	eering	g		6	ALC NO	
Address Deptt. of EC		E, FET, MJPRU Bareilly 243006				YA				
(Campus)			real systems see a second s						60 0	
(Reside	ence)	Swantrata San	gram Colony, Jogi	ram Colony, Jogi Nawada Road, H.No. A-					Section 1	
21 Bareilly										
Mobile 9286250109										
Email sourabhpathak			13@ gmail.com							
Educa	tional Qual	ifications (Grad	uation Onwards	s)						
Cours	e/Degree	Institution		Yea	r		Details/	<b>Fhesis</b> T	opic/Subjects	
B.Tech	Cech. (ECE) Teerthanker M University, M		Mahaveer oradabad	2013			Power Li	wer Line Carrier Communication		
M.Tech	M.Tech.(ECE) Galgotias Ur		versity, Noida	2013	)15		History Based Contention Window			
(Comm	nunication						Control (HWCBC) by IEEE 802.11			
Engine	ering)						MAC Pro	otocol to olem in W	Vinimize the Hidden	
Ph.D. (I	ECE)	IFTM Univers	IFTM University, Moradabad		DEC. 2022		Analysis	ysis of Low Energy Adaptive		
							Clustering	g Hierarch	ny Protocol to increase	
							the perfo	ormance	of Wireless Micro	
C	D @1.						sensors No	etwork.		
Caree	r Prome									
Organ	nization / Ins	stitution	Designation		Du	ration	l		Role	
Departi	ment of	Electronics &	Teaching Facult	y	sessi	ion	2017-18,		Teaching	
Communication engineering			Member		session 2018-19					
University Bareilly during										
		8								
Invertis University, Bareilly			Assistant Professor		JAN/2020 to NOV/20		021	Teaching		
Department of Electronics &			ASSISTANT		session 2		2021-22,		Teaching	
Communication engineering			PROFESSOR		session 2022-23					
FET, Liniora	MJP Rohi	lkahnd			sess	sion 20	)23-24 to 1	Present		
Univers	sity Bareiny	during								
Research Interests / Specialization										
WIRELESS SENSOR NETWORK										
MOBILE AD-HOC NETWORK										
Teaching Experience (Subjects/Courses Taught)										
RADAR, SIGNAL AND SYSTEM, EMFT. MOBILE COMMUNICATION. WSN. SATELLITE										
COMMUNICATION, MICROWAVE ENGINEERING, DIGITAL SIGNAL PROCESSING										

Papers Published in Indexed/ Peer Reviewed Journals

A 41
Author

Volume 5, Issue 12,	Analysis of Image Enhancement Process in	Ever-science publication	2454-6410	
December (2017	Digital Image Processing using MATLAB			
Volume 05, Issue	Analysis Of Fourier Transformation On Image	IJMTER	2349-9745	
01, [January– 2018]	Enhancement Process In Digital Image			
	Processing Using MATLAB			
VOLUME 8,	To analysis of coverage-preserving CH	METSZET JOURNAL	2061-2710	
ISSUE 7, 2023	selection Algorithm (CPCHSA) to			
	improve the system lifetime and latency in			
	the wireless sensor network			
VOLUME 24	TDMA based MAC protocol with	Technische Sicherheit	1434-	
155UE12, 2024	clustering mechanism to improve the	JOURNAL	9728/219	
	system lifetime in I-LEACH		1-0073	

Seminar/Conference Presentations

 "An analysis of Particle Swarm optimization (PSO) to tackle the NP hard problem in Wireless Sensor Network" ICRISET-2020, Invertis University, Bareilly. Sourabh Pathak, Dr Avinash Kumar ICARE MIT (Invertis University), 2020

- 2. "Analysis of Low Energy Adaptive Clustering Hierarchy Protocol to increase the performance of Wireless Micro-sensor Network", Proceeding of International conference on "ACADEMIC RESEARCH IN ENGINEERING MANAGEMENT AND INFORMATION TECHNOLOGY" (ICARE MIT-2018) 17-19 FEB-2018 Sourabh Pathak, Dr Avinash Kumar, ICRISET (MJPRU) 2018
- **3.** To improve the efficiency and efficient energy of wireless sensor network using non-linear weight particle swarm optimization algorithm (NWPSO). Sourabh Pathak, Dr Avinash Kumar ICARE MIT (Invertis University) 2021

## (Administrative Positions/Assignments Held

Post	Organization Name	<b>Duration</b>				
Member Examination Committee	FET, MJPRU, Bareilly.	Session 2022-23				
ACS (End Sem. Exam.)	FET, MJPRU, Bareilly.	End Sem. Exam, Jan- 2022, March-				
		2022,July-2022, May 2024.				

## Any Other Details

- Participated in various WORK-SHOP on Accelerate Research, 4.0 Overseas and Designing and Modelling of IoT, AI and ML System.
- Participated in various FDP in the different fields as Electric vehicles An academic and Research perspective, Research Methodology, Entrepreneurship etc
- International Journal for Modern Trends in Science and Technology (ISSN: 2455-3778 : UGC Approved Journal, A Registered Enterprise with Ministry of MSME (UDYAM-AP-06-0006486) and Ministry of Corporate Affairs (MCA), Govt. of India.) (Young Researcher Award 2024)
- 02 patents are filed/published (Indian Patent).
- 1 book chapter (Basic Concept of Wireless Sensor Technology) is accepted and 1 book (Modern Wireless Communication) is published.