



FACULTY PROFILE

1. Personal Details

NAME	Mrs. MONIKA MALIK	
DEPARTMENT	ELECTRONICS & COMMUNICATION ENGINEERING	
DESIGNATION	ASSISTANT PROFESSOR-II	
PHONE	9971055554	
EMAIL ID	monikamalik@jssaten.ac.in	
Date of Joining (JSSATEN)	16-08-2007	

2. Experience

Total Experience in Years: 15	Teaching: 15	Industry: - Nil	Research: (Pursuing PhD)
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.E.	Electronics and Communication Engineering.	2002	MCET, Lakshmangarh	Rajasthan University
M. Tech.	Digital Communication	2014	JEC, Jaipur	Rajasthan Technical University
Ph.D.	Wireless sensor Networks	(P)	Jaypee institute of information Technolgy Noida	Jaypee University
Post Doc.	-	-	-	-

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 00	National: 00
Papers Published in	International: 02	National: 00

SCOPUS indexed Journals		
Papers Published in other Journals	International: 02	National: 00
Papers Presented in Conferences / Symposium	International: 06	National: 00
Books / Book chapters Published	Name of the book: 02 Publisher: Springer “Lecture Notes in Networks and Systems” Year of Publication: 2022-23	

5. Research Guidance

PhD Guide? Give field & University	No	NA
Ph.D.s / Projects Guided	Ph.D. Awarded: No Guiding: NIL	Projects at Master’s Level: - Nil Projects at Bachelor’s Level: 30

6. Grants

i. Funds Received (Projects)

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
-	-	-	-	-

ii. Patents

Sl. No.	Title Details	Details of award of patent / Filed
-	-	-

iii. Consultancy

Title of the work	Amount in Rs.	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
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7. Awards Received

Awards “Best Paper	Nil
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Award”	
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8. Publications

i. International Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1	Integration of Block chain Model for Energy Efficient WSN for IOT Application	Ruchi Kushwaha, Rohit Shambharkar, Suyash Gupta, Monika Malik	International Journal for Research in Applied Science and Engineering Technology	Volume 11, Issue II, February 2023	-	SJ Impact Factor 7.538	IJRASET
2	Data Aggregation Technique using Genetic Algorithm.	Monika Malik, Nischal Maurya	International Journal of Advance Engineering and Research Development	Volume 5, Special Issue 01, Jan.-2018 (UGC Approved) e-ISSN (O): 2348-4470	-	-	IJAERD

ii. National Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
-	-	-	-	-	-	-	-

iii. Conferences

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Conference	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
1	Various Optimization Algorithms for Enhancing Network Lifetime in LEACH Protocol in WSN	Monika Malik, Dr Alok Joshi, Dr. Gayatri Sakya	ICSC22	2022 8th International Conference on Signal Processing and Communication (ICSC)	Scopus	-	IEEE

2	Fuzzy logic Application for Early Landslide Detection	Nimish Rastogi, Harshita Piyush, Siddhant Singh, and Monika Malik	International Conference on Next Generation Systems and Networks	Springer book series "Lecture Notes in Networks and Systems".	Scopus	-	Springer
3	Air Quality Monitoring Platform	Surchi Gupta, Prastuti Gupta, Divya Srivastava and Monika Malik	International Conference on Next Generation Systems and Networks	Springer book series "Lecture Notes in Networks and Systems".	Scopus	-	Springer
4	DC-LEACH: A unique Cluster Head Selection Algorithm with Improved QoS in Real time Applications for WSN	Monika Malik; Gayatri Sakya, Alok Joshi	AUTOCOM-22	-	Scopus	-	CRC Press Taylor and Francis
5	Enhancement of Network Life Time in the LEACH Protocol for Real Time Applications	Monika Malik; Gayatri Sakya, Alok Joshi	International Conference of Contemporary computing	-	Scopus		ACM ICPS ISBN Number: 978-1-4503-8920-4
6	Network Lifetime Improvement for WSN using Machine Learning	Monika Malik; Dr.Alok Joshi, Dr.Gayatri Sakya	International Conference On Signal Processing And Communication 2021	-	Scopus		IEEEExplore
7	Performance of sensor Node with various fading model	Monika Malik Dr Alok Joshi	ICCSEMS-2020		-	-	-

8	Machine learning Based Smart Alert System for Covid-19 Mask Detection	Monika Malik, Anuransha Sonkar, Prakmya	NCSEVES-2021	-	-	-	-
9	Performance analysis of LEACH protocol using Fuzzy Logic.	Monika Malik, Dr Garima Mathur ,	NCFTAST-2014	-	-	-	-

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	ATAL FDP-Integration of WSN & IoT for Agriculture	JSS Academy of Technical Education, Noida	2-13 Jan2023
2	5G Antenna Design with AIML Applications using HFSS	St Martin Engg College	27 th and 28 th May22
3	Digital Tools for Writing, Authoring & Reviewing	IITR	12 th -23 rd July2021
4	Advancement in Wireless communication and Signal processing.	JIIT, Noida	26 th -31 st July 2021
5	International conference on contemporary Computing – Presented Paper	JIIT, Noida	7 th Aug 2021
7	NCSEVES-2021-Presented Paper	JSSATE, Noida	24 th Sept 2021
8	ICCSEMS-2020-Presented paper	JIIT, Noida	26 th Sept 2020
9	Machine Learning and its application	IIT Rourkee	4 th -12 th May 2020
10	Artificial Intelligence and 5G Communication Technology AICTE-AQIS Sponsored Short Term Training Program.	PEC Jaipur	5 th -10 th Oct 2020
11	Data Science Using Python	IIT, BHU	16 th Aug-05 th Oct 2020
12	Two Week FDP on “PYTHON” Under Spoken Tutorial Project	IIT Bombay	22 th June – 05 th July, 2020
13	Workshop on Internet of Things – International center for Advanced Research and Studies.	ICARS- Delhi	22 nd June-26 th June2020
14	FDP on Latex and its	VCE Mysuru	20 th -24 th July2020

	Applications for Researchers		
14	Workshop on Research Tools	ICARS, Delhi	29 th June -3 rd July2020
15	Robotics and AI	JIT, Noida-(24th -28th June2019
16	Next Generation Nano Satellite Communication	JSSATE, Noida	7th-11th May2018
17	Introduction to Robotics-eyantra	IITM- KEC Gzb	26 th &27 th April 2019
18	Summer Faculty Research Fellow Programme -	IIT Delhi	15 th June -14 th July 2017
19	Wireless LAN	NITTR Chandigarh	30th July-3rd Aug2012

v. Workshops / Conference (Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
1	ATAL FDP-Integration of WSN & IoT for Agriculture	JSS Academy of Technical Education, Noida	2-13 Jan2023	Organizing Member
3	Hands-On Workshop in e-Yantra: Embedded Systems & Robotics	JSS Academy of Technical Education, Noida	24 th and 25 th November 2022	Organizing Member
4	Conference: Intelligent Control and Computation for Smart Energy and Mechatronic Systems (ICCSEMS-2020) .	JSS Academy of Technical Education, Noida.	24 th -26 th Sep 2020	Session Coordinator
5	Workshop: Next Generation Nano Satellite Communication Organizing , (7th-11th May18)	JSS Academy of Technical Education, Noida.	7 th -11 th May 2 018	Team member
6	Workshop: Wireless Sensor Networks Using NetSim	JSSATE, Noida in association with Nex Robotics & Tetcos Bangalore.	28 th -29 th October 2015	Team members

vi. Conference Attended (those sponsored by AICTE / ISTE/IETE/TEQIP or any other sponsoring body)

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	Artificial Intelligence and 5G Communication Technology	PEC, Jaipur	April 26 to May 01, 2021
2	Internet of Things and Data Analytics	JSSATE, Noida	2nd -8th Dec 2020

9. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1	NPTEL: Introduction to Machine Learning	IITB	Jan-May 2020	70%
2	NPTEL: Introduction to IOT	IIT Kharagpur	8 th Jan-9 th April 2021	-

10. Membership of Professional Bodies:

Nil

11. Any other information you will like to share about your professional experience

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