



Maharaja Surajmal Institute

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Faculty Profile

- Name of Faculty:** Nikita Malik
- Date of Joining:** 01 August 2019
- Present Position:** Assistant Professor
- Department:** Computer Applications
- Email ID:** nikitamalik@msijanakupuri.com
- Profile:**

Your profile (glorify your work)

Nikita Malik is presently working as an Assistant Professor in Department of Computer Applications at Maharaja Surajmal Institute, New Delhi. She is parallelly pursuing her Ph.D in IT from University School of Information, Communication and Technology, GGSIPU. Nikita completed her M.Tech from Ambedkar Institute of Advanced Communication Technologies and Research, GGSIPU (presently East campus-NSUT) in 2017, where she was the Gold Medalist in Information Security branch. She has over 2 years of teaching experience and has published multiple research papers in various international and national journals and conferences of repute. Her research interests include Semantic Web Technologies, IoT, WSN, MANETs, Data Analytics and Information Security aspects.

7. Educational Qualification:

S No.	Degree (graduation onwards)	College and/ or University	Year
1.	Ph.D (Pursuing)	USIC&T, GGSIPU	2018-ongoing
2.	NET	UGC	2018
3.	M.Tech (IS)	AI&CT&R, GGSIPU	2017
4.	GATE	MHRD	2015
5.	B.Tech (IT)	MSIT, GGSIPU	2015

8. Employment Record (Latest First)

S No.	From [Month & Year]	To [Month & Year]	Employer Name	Positions Held	No of Years
1	August, 2019	Present, 2021	MSI	Assistant Professor	2

9. Research Papers in National and International Journals

S No.	Title of Paper (Vol and Page No.)	Name of Journal	National/ International	SCI/ SSCI/ SCOPUS/ Care	SCIE/ ESCI/ UGC	Year of Publication	Impact Factor	No. of Citations
1.	CNN Based Approach for	Advanced Journal of	International	-	-	2021		

	Traffic Sign Recognition System (Vol. 11, issue 1, pp. 23-33)	Graduate Research (AJGR)					
2.	NEP 2020: An Effort Towards Transforming India's Education Landscape	Parichay: Maharaja Surajmal Institute Journal of Applied Research	National	-	2021		
3.	Mathematical Analysis to Fight Covid-19 Pandemic	Parichay: Maharaja Surajmal Institute Journal of Applied Research	National	-	December, 2020		
4.	Sales Prediction Model for Big Mart (Vol. 3, pp. 22-32)	Parichay: Maharaja Surajmal Institute Journal of Applied Research	National	-	July, 2020		
5.	Semantic Web Technologies towards an Intelligent Web (Vol. 47, pp. 1-11)	International Journal of Engineering Sciences Paradigms and Researches (IJESPR)	International	-	October, 2018	2.80	
6.	Semantic Web as the Next Generation Smart Web (Vol. 5, pp. 580-594)	Journal of Emerging Technologies and Innovative Research (JETIR)	International	-	June, 2018	5.87	
7.	Significant Programming and Mathematical Concepts of Semantic Web (Vol. 6, pp. 277-283)	International Journal of Computer Sciences and Engineering (IJCSE)	International	-	June, 2018	3.022	
8.	Study of Security Mechanisms and Simulation Analysis of Packet Drop in RPL in Low	International Journal of Future Generation Communication and Networking	International	ESCI till 2019	September, 2018	0.40	1

	Power Lossy Networks (Vol. 11, pp. 45-62)	(IJFGCN)					
9.	Security issues of MAC layer in MANETS (Vol. 1, pp. 1-5)	International Journal of Security and Usability (IJSU)	International	-	June, 2017		
10.	Analysis of TCP traffic under Blackhole Attack in MANETs (Vol. 10, pp. 49-58)	International Journal of Future Generation Communication and Networking (IJFGCN)	International	ESCI till 2019	2017	0.40	1
11.	SAS Macro to expedite data manipulation (Vol. 150, pp. 36-39)	International Journal of Computer Applications (IJCA)	International	-	September, 2016	3.12	

10. Research Papers presented / Published as full paper in Conferences/ Seminars:

S No.	Title of Paper	Name of Conferences/ Seminars	National/ International	Name of Host Institution	Year
1.	Internet of Things Enabled Smart Irrigation System	National Conference on Digital Entrepreneurship	National	MSI, Delhi	29-30 Jan, 2021
2.	Employing Machine Learning for House Price Prediction	International Web Conference on Smart Engineering Technologies	International	Ramco Institute of Technology, Chennai	June, 2020
3.	Serverless Computing: Need, Impact and Challenges	National Conference on Emerging Trends in Big Data, IOT and Cyber Security	National	MSI, Delhi	March, 2020
4.	An Empirical Study on Acquisition of Digital Evidences from Facebook using various Tools and Techniques	International Conference on Emerging Trends in Information Technology	International	IITM, Delhi	June, 2019
5.	Security in Web Semantics: A Revisit	5th International Conference on Computing for Sustainable Global Development-INDIACom	International	BVICAM, Delhi	March, 2018
6.	Revisiting Semantic Web Architecture	International Conference on Pattern Recognition (ICPR)	International	AIACT&R, Delhi	December, 2017
7.	Analysis of TCP traffic under	International Conference on Advances in Computing and	International	Krishna Engineering College, Ghaziabad	November, 2016

	Blackhole Attack in MANETs	Data Sciences (ICACDS)			
8.	Validation of Data Warehouse Multidimensional Model	National Conference on Innovations in IT, Management & Education-Digital India Initiative	National	MSIT, Delhi	March, 2015

11. Book Chapters in National and International Books

S No.	Title of Chapter (Page No.)	Name of Book	National/ International	Year of Publication
1.	Application of Artificial Intelligence in Pandemic: Deep Learning for Face Mask Detection	Disease Prediction using Machine Learning, Deep Learning and Data Analytics (DPML-21), Bentham Science Publishers	International (ISBN: 978-1-119-64048-6)	July 2021
2.	Using IoT and Semantic Web Technologies for Healthcare and Medical Sector (pp. 91-116)	Ontology-Based Information Retrieval for Health Care Systems (IRHCS), Wiley-Scrivener, USA	International (ISBN: 978-1-119-64048-6)	July 2020