STANDARD TEMPLATE OF FACULTY PROFILE FOR UPLOADING OF UNIVERSITY WEBSITE

Title	Dr.	First Name	SANJ	AY KUMAR	Last Name	SINGH	
Designation		Assistant Professor					
School /Dept. Name		University School of Automation & Robotics(USAR), East Delhi Campus of Guru Gobind Singh Indraprastha University, New Delhi- 110092					
Address:		Flat No.T4A/1, Type -4, GGS IP University, East Delhi Campus, New Delhi- 110032					
Phone No.		Office					
			nce	(optional)			
		Mobile		(optional)			
Email		sanjay.usar@ip		@ipu.ac.in	San	njayksingh.012@gmail.com	
Web Page (if any)		https://sites.google.com/view/drsanjaykumarsingh/home					
Subjects Taught		 Deep and Reinforcement Learning Machine Learning Artificial Intelligence Soft Computing Computer Vision Big Data Analytics Artificial Neural Networks 					
Areas of Interest/ Specialization		 Intelligent Systems Deep and Reinforcement Learning Algorithms and its Application Soft Computing Techniques Computer Vision Applications Computer Assisted Medical Image Analysis 					
Experience (in years)		Total		12 years and			
			Industry Nil				
		Teaching 12 years and 6 months Assistant Professor at Lovely Professional University Phagwara, India from July 2011 to April 2021. Assistant Professor at ABES Engineering College, Ghaziabad, India from June 2021 to October 2022. Assistant Professor (Regular) at University School of Automation & Robotics (USAR), East Delhi Camput Guru Gobind Singh Indraprastha University from November 2022 till date.					to April 2021. gineering College, to October 2022. University School of , East Delhi Campus,
		Resear	ch	Nil			

Educational	Integrated	ABV-Indian Institute of Information Technology &			
Qualifications	Post	Management, Gwalior, India (Batch: 2006-2011)			
	Graduate (B.				
	Tech + M.				
	Tech) Doctorate	Computer Science & Engineering, IKG-Punjab Technical			
	Doctorate	University, Jalandhar, India			
	Any other –	NA			
	Diploma in IPF	R			
Research		xena, Amit Sinha , Sanjay Kumar Singh* , (2024), "Computer-assisted			
Publications in Journals (last 5 years)					

- Sanjay Kumar Singh, Anjali Goyal, "A Stack Autoencoders Based Deep Neural Network Approach for Cervical Cell Classification in Pap-smear Images", Recent Advances in Computer Science and Communications, Netherlands, Vol. 14, Issue 1, pp. 62-70, 2021. https://doi.org/10.2174/1389202920666190313163414.
- Aditya Khamparia, Sanjay Kumar Singh and Ashish Kumar Luhach, "SVM-PCA based Handwritten Devanagari Digit Character Recognition", Recent Advances in Computer Science and Communications, Netherland, Vol. 14, Issue 1, pp. 48-53, 2021. https://doi.org/10.2174/2213275912666181219092905.
- Sanjay Kumar Singh, Anjali Goyal, "Performance Analysis of Machine Learning Algorithms for Cervical Cancer Detection", International Journal of Healthcare Information Systems and Informatics, United States, SCOPUS, ESCI, 15(2):1-21, 2020. https://doi.org/10.4018/IJHISI.2020040101
- Aditya Khamparia, Sanjay Kumar Singh, Ashish Kumar Luhach, Xiao-Zhi Gao, "Classification and Analysis of Users Review using Different Classification Techniques in Intelligent E-learning System" International Journal of Intelligent

	Information and Database Systems, United Kingdom, Vol.13, No.2-4, pp.139 – 149,2020, DOI: 10.1504/IJIIDS.2020.109451
Papers Published in Conference Proceedings(last 5 years) Books Authored/BookVolume Chapters	 Sanjay Kumar Singh, Amit Sinha, Satyendra Yadav, "Performance Analysis of Machine Learning Algorithms for Erythemato-Squamous Diseases Classification", 2022 IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE), 2022, pp. 1-6. doi: 10.1109/ICDCECE53908.2022.9793000. Pranshu Saxena, Sanjay Kumar Singh, Gyanendra Tiwary, Yush Mittal and Ishika Jain. "An Artificial Intelligence Technique for Covid-19 Detection with eXplainability using Lungs X-Ray Images," 2022 IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE), 2022, pp. 1-6. doi: 10.1109/ICDCECE53908.2022.9793240. Peddamallu Jaya Prakash Reddy, Guntimadugu Viswanadh and Sanjay Kumar Singh, "IOT based Smart Water Pump Switch," 2021 2nd International Conference on Intelligent Engineering and Management (ICIEM), London, United Kingdom, 2021, pp. 534-538, doi: 10.1109/ICIEM51511.2021.9445278. Shubham Kushwaha, Mohammad Adil, Mohammad Abuzar, Akib Nazeer and Sanjay Kumar Singh, "Deep learning-based model for breast cancer histopathology image classification," 2021 2nd International Conference on Intelligent Engineering and Management (ICIEM), London, United Kingdom, 2021, pp. 539-543, doi: 10.1109/ICIEM51511.2021.9445319. Abhishek Patel, Sanjay Kumar Singh and Aditya Khamparia, "Detection of Prostate Cancer Using Deep Learning Framework", IOP Conference Series: Materials Science and Engineering, Volume 1022, 1st International Conference on Computational Research and Data Analytics (ICCRDA 2020), 24th October 2020, Rajpura, India. https://doi.org/10.1088/1757-899X/10221/012073 Utkarsh Shrivastav, Sanjay Kumar Singh, Aditya Khamparia, "A Nobel Approach to Detect Edge in Digital Image Using Fuzzy Logic", 1st International Conference on Sustainable Technologies for Computational Intelligence, Advances in Intelligent Systems and Computing, vol 1045, pp. 63-74, 2020, Springer, Singapore. https

No. of Conferences	National	Attende	ed	Organized		
		NA		NA		
	International	12		2		
Research Guidance	Awarded	PG	M. Phil	Doctorate		
		19	NA	NA		
	Undergoing	NA	NA	NA		
Research Projects	Completed	NA	NA			
	Undergoing	NA	NA			
 Got AIR 6820 in Graduate Aptitude Test in Engineering (GATI) Best Paper Award for paper entitled "classification of uterine cancer histology image using active contour region-based segreceived at Shannon100, 3rd international conference on consciences, 8-9 April, 2016. Administrative Research core Team member at ABES EC, Session 2022-23 				of uterine cervical cased segmentation" ce on computing		
Assignments Handled	 Research and Innovation Leader at Department of Information Technology, ABES EC, Session 2022-23 Project coordinator of undergraduate project in department of IT, ABES EC, Session 2021-22 and Session 2022-2023 					
	 Organizing Secretary of international conference on intelligent communication and computational research(ICICCR 2020) organized by Punjab institute of technology, Rajpura, India on 25th January, 2020.(https://iccrlab.com/) Convener of international conference on computational research and data analytics(ICCRDA 2020) jointly organized by Suleyman Demirel University and Isparta Applied Sciences University, Turkey and College of Engineering Roorkee, India on 24th October, 2020. (https://iccrlab.com/) 					
Association with Professional Bodies	 Member of International Association for Engineers(ID:186496) IEEE Member (ID: 93258582) Annual Member of Indian Science Congress Association (ID-A1443) 					
Any other Achievements	NA					