STANDARD TEMPLATE OF FACULTY PROFILE FOR UPLOADING OF UNIVERSITY WEBSITE

Title Dr.	First Name	Neeta		Last Name	Singh			
Designation	Assistant Professor							
School /Dept. Name	University School of Automation and Robotics							
Address:	East Delhi Campus of Guru Gobind Singh Indraprastha University, New Delhi- 110092							
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Email	1. neet	a.usar@	ipu.ac.in					
Web Page (if any)	_		e.com/citation=list_works	ons?hl=en&	zuser=XYBgj-			
Areas of Interest/ Specialization	 Electrical Science Internet of Things Computer Networks Java with OOPS concept VLSI Antenna Theory Microwave Engineering Microwave Devices Antennas 							
	Rf Energy HarvestingIoT Sensors							
Experience (in years)	Total	Seligors	Seven year	s and Nine	months			
	Industr	у	Nil					
	Teaching		 As a Teaching Assistant in AIACTR, GGSIPU from October 2015 to October 2019 As an Assistant Professor (Regular) at in G. D. Goenka University from December 2021 to October 2022. As an Assistant Professor (Regular) at University School of Automation and Robotics (USAR), East Delhi Campus, GGSIPU from November 2022 till date. 1 years 5 Months: JNU- Research Associate (DRDO) 					
	Researc	cn	1 years 5 M Project)	/Ionths : JN	IU- Kesearch A	ssociate (DRDO		

Singh, N., Kumar, S., Kanaujia, B.K. et al. A compact broadband GFET based rectenna for RF energy harvesting applications. *Microsyst Technol* 26, 1881–1888 (2020). https://doi.org/10.1007/s00542-019-04737-0. Neeta Singh, Sachin Kumar, Binod Kumar Kanaujia, Mirza Tariq Beg, Mainuddin, Sandeep Kumar, A compact and efficient graphene FET based RF energy harvester for green communication, AEU - International Journal of Electronics and Communications, Volume 115, 2020, 153059. Neeta Singh, Binod Kumar Kanaujia, Mirza Tariq Beg, Mainuddin & Sachin Kumar (2019) A triple band circularly polarized rectenna for RF Electromagnetics, harvesting, 39:7. 481-490. DOI: energy 10.1080/02726343.2019.1658164. Neeta Singh, B. K. Kanaujia, M. T. Beg, Mainuddin, Sachin Kumar, Hyun Chul Choi & Kang Wook Kim (2019) Low profile multiband rectenna for efficient energy harvesting at microwave frequencies, International Electronics, 106:12, 2057-2071, DOI: Journal of 10.1080/00207217.2019.1636302. Singh N., Kanaujia B.K., Beg M.T., Mainuddin, Khan T., Kumar S. (2018). A dual polarized multiband rectenna for RF energy harvesting, AEU -International Journal of Electronics and Communications, 93, pp. 123-131. Singh, N., Kanaujia, B.K., Beg, M.T. et al. A dual band rectifying antenna for RF energy harvesting. J Comput Electron 17, 1748–1755 (2018). https://doi.org/10.1007/s10825-018-1241-6 Papers Published in N. K. Agarwal, N. Singh and A. Saxena, "PID/FO-PID Controller Conference Implementation for the Optimal Controlling of Wind Driven PMSG," 2023 Proceedings(last 5 2nd International Conference on Edge Computing and Applications (ICECAA), vears) Namakkal, India, 2023, pp. 1571-1575, doi: 10.1109/ICECAA58104.2023.10212188. Agarwal, N.K., Singh, N., Saxena, A. (2023). Modeling and Analysis of Wind-Driven PMSG for Healthy and Unhealthy Conditions . In: Rani, A., Kumar, B., Shrivastava, V., Bansal, R.C. (eds) Signals, Machines and Automation. SIGMA 2022. Lecture Notes in Electrical Engineering, vol 1023. Springer, Singapore. https://doi.org/10.1007/978-981-99-0969-8 18 N. Singh, V. Kaim and B. K. Kanaujia, "Dual Band Slot Antenna with Suppressed Higher Order Harmonics for Wireless Power Transmission," 2021 IEEE USNC-URSI Radio Science Meeting (Joint with AP-S Symposium), Singapore, Singapore, 2021, pp. 7-8, doi: 10.23919/USNC-URSI51813.2021.9703537. Books Authored/ Book Authored: Rectenna: Wireless Energy Harvesting System" Springer **Book Volume** Singapore, 2021. Chapters Book Chapter:

Singh, N., Kumar, S., Kanaujia, B.K. (2019). A New Trend to Power Up Next-Generation Internet of Things (IoT) Devices: 'Rectenna'. In: Mittal,

	 M., Tanwar, S., Agarwal, B., Goyal, L. (eds) Energy Conservation for IoT Devices . Studies in Systems, Decision and Control, vol 206. Springer, Singapore. https://doi.org/10.1007/978-981-13-7399-2 14. Singh, N., Kumar, S., Kanaujia, B.K., Choi, H.C., Kim, K.W. (2019). Energy-Efficient System Design for Internet of Things (IoT) Devices. In: Mittal, M., Tanwar, S., Agarwal, B., Goyal, L. (eds) Energy Conservation for IoT Devices . Studies in Systems, Decision and Control, vol 206. Springer, Singapore. https://doi.org/10.1007/978-981-13-7399-2_3. Neeta Singh, Sachin Kumar, Binod Kumar Kanaujia, (2021). Antennas for Biomedical Applications Using RF Energy Harvesting. Bioelectronics and Medical Devices, Apple Academic Press. Garima Srivastava, Neeta Singh, Sachin Kumar (2021), Advances in Antenna, Signal Processing, and Microelectronics Engineering, Apple Academic Press. 						
No. of Conferences National		Attended- 3	Organized				
				NA			
	Internati onal	Attended- 1	NA				
Research Guidance	Awarded	PG	M. Tech	Doctorate			
		NA	2	1			
	Undergoi ng	NA	NA	NA			
Research Projects	Complete DRDO Project- 30,00,00 INR						
		ICMR Project- 33.83,00,00 INR					
Awards & Distinctions	 Patent Awarded SELF-SUSTAINABLE POWER HARVESTING DEVICE on 02/08/2023 with Application No202111056214. Patent Awarded COMPACT FAR-FIELD WIRELESS POWER TRANSFER SYSTEM FOR LEADLESS CARDIAC PACEMEAKER on 07/11/2023 with Application No202211044711. GGSIPU University Gold Medal - 2015: (M.Tech- Rf and Microwaves) Awarded by CM of Delhi Government, Merit Certificate in Hindi (10th Standard). Golden Degree in P.Hd. form Jamia Millia Islamia 						
Administrative Assignments Handled	 Time Table committee member handling since 2022 till date. Examination committee member handling since 2022 till date. Library committee member handling since 2022 till date. IEEE-W club mentor looking after all the club activities. Karuyantra club (Robotics Society) mentor looking after all the club activities. Dance Club Mentor, helps students to participate in various cultural activities and competitions. Stage Committee Member at University fest in 2023. Internet Of Things Lab In charge. 						

	Project In charge at the inauguration of university.			
Association with	(1) Associate Editor of AEUE - International Journal of Electronics and			
Professional Bodies	Communications (Elsevier) 2020-present			
	(2) Reviewer of journals:			
	a. IETE technical review India			
	b. IEEE-MTT			
	C. IEEE Access			
	d. IEEE Transaction of Antenna and Wave Propagation			
	e. Hindawi Journal			
	f. Qeios Journal			
	g. Microsystem Technologies			
	h. Electromagnetics.			
	(3) Member of IEEE : 2021-present.			
Any other	NET Qualified : June 2017			
Achievements	Gate Qualified- 2013			
	Gate Qualified- 2016			