STANDARD TEMPLATE OF FACULTY PROFILE FOR UPLOADING OF UNIVERSITY WEBSITE

Title	Dr.	First Name	Amrit Pal	Last Name	Singh
Designation	Assistant Professor				
School /Dept. Name	University School of Automation & Robotics				
Address:	Room No: A-509, University School of Automation & Robotics, Guru Gobind Singh Indraprastha University, East Delhi Campus, Surajmal Vihar, Delhi-110092				
Phone No.	Office				
	Residence	(optional)			
	Mobile	09213530406			
Email	1. amritpal@ipu.ac.in		2. amritpal1986@gmail.com		
Web Page (if any)	https://www.linkedin.com/in/amritpalsingh-2912/				
Subjects Taught	• Artificial Intelligence • Analysis & Design of Algorithms • Artificial Neural Networks • Data structures • Performance analysis of computing systems				
Areas of Interest/ Specialization	• Meta-heuristic Algorithms • Machine Learning Optimization • Artificial Neural Networks • Swarm Robotics Simulation				
Experience (in years)	Total	09 years and 07 months			
	Industry	00			
	Teaching	09 years and 07 months			
	Research	00			
Educational Qualifications	UG	B.Tech(Information Technology) form GTBIT, GGSIPU			
	PG	M.Tech(Information Technology) form USIT, GGSIPU			
	Doctorate	Ph.D (Information Technology) form USICT, GGSIPU			
	Any other – Diploma in IPR				

<table>
<tr><td>Research Publications in Journals
(last 5 years)</td><td colspan="4">Refereed International Journals

1. A systematic review on the potency of swarm intelligent nanorobots in the medical field. Swarm and Evolutionary Computation, Elsevier, 2024. (IF:10.00)
2. Hybridization of chaos and flower pollination algorithm over k-means for data clustering. Applied Soft Computing, Elsevier,2019.(IF:8.7)
3. A novel approach for intrusion detection systems using chaotic flower pollination algorithms. Soft Computing, Springer,2020.(IF:4.1)
4. Hybridization of chaos theory and dragonfly algorithm to maximize spatial area coverage of swarm robots. Evolutionary Intelligence, Springe, 2023.(IF:2.6)
5. New chaotic flower pollination algorithm for unconstrained nonlinear optimization functions. SI: Swarm Intelligence and its applications to engineering of IJSA, Springer, (IF:2.0)
6. Hybridization of k-means and firefly algorithm for intrusion detection system. SI: Swarm Intelligence and its applications to engineering of IJSA, Springer (IF:2.0)
7. Comparative analysis of evolutionary algorithms for data classification. International Journal of Swarm Intelligence Research, 2021. (IF:1.1)
8. Flower pollination algorithm for feature analysis of kyoto 2006+ data set. Journal of Information and Optimization Sciences, 40(2):467–478, 2019
9. Analysis of amazon product reviews using big data-apache pig tool. International Journal of Information Engineering and Electronic Business, 11(1):11,2019</td></tr>
<tr><td>Papers Published in Conference Proceedings
(last 5 years)</td><td colspan="4">1. Amrit Pal Singh and Arvinder Kaur. Comparative analysis of chaotic variants of firefly algorithm, flower pollination algorithm and dragonfly algorithm for high dimension nonlinear test functions. In Innovations in Bio-Inspired Computing and Applications, 2019.
2. Swati Rehal and Amrit Pal Singh. Comparative analysis of classifier methods for effort estimation. In INDIACom, IEEE-2018, 2018.
3. Arvinder Kaur, Amrit Pal Singh, Guneet Singh Dhilon, and Divesh Bisht. Emotion mining and sentiment analysis in the software engineering domain. In 2nd IEEE International conference on Electronics, Communication and Aerospace Technology (ICECA 2018), 2018</td></tr>
<tr><td>Books Authored/
Book Volume Chapters</td><td colspan="4"></td></tr>
<tr><td rowspan="3">No. of Conferences</td><td rowspan="2">National</td><td colspan="2">Attended</td><td>Organized</td></tr>
<tr><td colspan="2">–</td><td>–</td></tr>
<tr><td>International</td><td colspan="2">–</td><td>–</td></tr>
<tr><td rowspan="3">Research Guidance</td><td rowspan="2">Awarded</td><td>PG</td><td>M. Phil</td><td>Doctorate</td></tr>
<tr><td>11</td><td>00</td><td>00</td></tr>
<tr><td>Undergoing</td><td>00</td><td>00</td><td>01</td></tr>
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<table>
<tr><td rowspan="2">Research Projects</td><td>Completed</td><td>00</td></tr>
<tr><td>Undergoing</td><td>00</td></tr>
<tr><td>Awards & Distinctions</td><td colspan="2">1.Joint CSIR-UGC, Junior Research Fellowship Award (85th All India Rank) Dec 2012
2.Qualified UGC National Eligibility Test for Lecturer June, 2012
3.Qualified UGC National Eligibility Test for Lecturer Dec, 2012
4.Qualified GATE-2010 with 89.9 percentile Feb, 2010
5.Qualified GATE-2012 with 96.38 percentile Feb, 2012
6.Qualified GATE-2013 with 98.02 percentile Feb, 201</td></tr>
<tr><td>Administrative Assignments Handled</td><td colspan="2"><u>University Level Responsibilities</u>

● Deputy Center Superintendent for the End Term Theory Examination (Feb 2023, June 2023, Jan 2024)
● Member of Central Library Committee of university.
● Addl. Center Superintendent of Evaluation Center for three times (i.e. Dec 2016; May 2017; Dec2017)
● Admission Officer of M.Tech (CSE/IT/IS) 2018-19 Admissions.
● Convener of the Academic Audit Committee for GGSIP University’s Affiliated colleges in 2015-2016 and 2016-2017 Academic years.
● University representative for various national level IPU-CET exam.
● Paper setter for IPU end term exam of computer science subjects.
<u>Departmental Level Responsibilities</u>

● Worked as the departmental coordinator for Hindi Rajbhasha.
● Worked as the member of Time Table committee
● Worked as FDP coordinator for FDP on ”Deep Learning and Its Techniques
● Member of Software Development Cell to develop the various systems for the university such as: Faculty Data Acquisition System; Attendance Management System; Faculty Feedback System; etc..
● Associate coordinator of 5 Day Faculty Development Program held in USICT, GGSIPU by Google on ” Android Developer Fundamentals”.
● Member of Coordination Committee of NAAC/NBA/NIRF for NIRF-2017, NIRF-2018.
● Member of Committee to scrutinize application of candidates who are exempted from Phd test-2018.
● Member of the coordination committee to conduct an InfoXpression event.
● Member of Time Table committee</td></tr>
<tr><td>Association with Professional Bodies</td><td colspan="2">● IEEE member</td></tr>
<tr><td>Any other Achievements</td><td colspan="2"></td></tr>
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