


STANDARD TEMPLATE OF FACULTY PROFILE FOR UPLOADING OF UNIVERSITY WEBSITE

Title	Dr.	First Name	Kamaldeep	Last Name	Kaur	
Designation		Assistant Professor				
School /Dept. Name		USIC&T				
Address:		E-218,219 USIC&T GGS Indraprastha University, Delhi				
Phone No.		Office	+91 11 2530738			
		Residence	(optional)			
		Mobile	(optional)			
Email		1. kdkaur99@ipu.ac.in		2. kdkaur99@gmail.com		
Web Page (if any)		NA				
Subjects Taught		<ul style="list-style-type: none"> • Switching Theory Logic and Design • Digital Electronics • Microprocessors and Interfacing • Computer Architecture • Software Engineering • Advanced Software Project Management • Software Testing • Data Structures • Java Programming 				
Areas of Interest/ Specialization		<ul style="list-style-type: none"> • Empirical Software Engineering • Software Quality Modelling • Machine Learning Applications • Multi-Criteria Decision Making • Aspect Based Sentiment Analysis 				
Experience (in years)		Total	25			
		Industry	4			
		Teaching	21			
		Research	-			
Educational Qualifications		UG	B.E (Electronics)			
		PG	M.Tech(IT)			
		Doctorate	Ph.D (IT)			

	Any other – Diploma in IPR	
<p>Research Publications in Journals (last 5 years)</p>		<ol style="list-style-type: none"> 1. A. Kaur, K. Kaur, D. Chopra, “An Empirical Study of Software Entropy based Bug Prediction using Machine Learning,” <i>International Journal of Systems Assurance Engineering and Management</i>. May 2016, doi 10.1007/s13198-016-0479-2 2. Monika, Kamaldeep Kaur, “Reproducibility of AOD Algorithm: An Experimental evaluation for Key-Predictors Identification”, <i>EAI Endorsed Transactions on Context-aware Systems and Applications</i>, Vol 7, Issue 3, 2020, pp.1-9 3. Tanu Sharma, Kamaldeep Kaur, “Benchmarking Deep Learning Methods for Aspect Level Sentiment Classification”, <i>Applied Sciences</i>, Vol.11, issue 22, 2021, https://doi.org/10.3390/app112210542 4. Arvinder Kaur, Kamaldeep Kaur, Harguneet Kaur, Deepti Chopra, “Systematic Literature Review on Mining Software Repositories”, <i>International Journal of Innovative Science, Engineering & Technology</i>, Vol. 7 Issue 1, 2020, pp. 196-231 5. Arvinder Kaur, Kamaldeep Kaur, “Statistical Comparison of Modelling Methods for Software Maintainability Prediction,”<i>International Journal of Software Engineering and Knowledge Engineering</i>,vol. 23, no. 6, pp. 743-774, 2013.*
<p>Papers Published in Conference Proceedings(last 5 years)</p>		<ol style="list-style-type: none"> 1. Arvinder Kaur, Kamaldeep Kaur, “Micro-interaction Metrics Based Software Defect Prediction with Machine Learning, Immune Inspired and Evolutionary Classifiers,”in <i>Proc. of International Conference on Information and Communication Technology for Intelligent Systems, Smart Innovation Systems and Technologies - Springer Series</i>, pp. 221-233, 2016 2. Arvinder Kaur, Kamaldeep Kaur, “Value and Applicability of Academic Projects Defect Datasets in Cross-Project Software Defect Prediction,” in <i>Proc. of Second International Conference on Computational Intelligence and Networks</i>, pp. 154-159, 2016. (IEEE xplore) 3. Arvinder Kaur, Kamaldeep Kaur, Shilpi Jain, “Predicting software change-proneness with code smells and class imbalance learning, ” <i>ICACCI</i> Sept .2016 (IEEE xplore) 4. Kamaldeep Kaur, Shilpi Jain, “ Evaluation of Machine Learning

	<p>Approaches for Change-Prone Prediction Using Code Smells”, <i>Proceedings of fifth international conference in intelligent computing</i>, 2016 (Springer)</p> <p>5. Kamaldeep Kaur, Parmeet Kaur, “Evaluation of Sampling Techniques in Software Fault Prediction using metrics and code smells”, in <i>Proc. of International Conference on Advances in Computing, Communications and Informatics</i>, pp. 1377-1387, 2017. (IEEE Xplore)</p> <p>6. Kamaldeep Kaur, Jasmeet Kaur, Jyotsna Malhotra, “Evaluation of Imbalanced Learning with entropy of source code metrics as defect predictors”, in <i>Proc. of International Conference on Infocom technologies and Unmanned systems</i>, 2017. (IEEE Xplore)</p> <p>7. Ajay Kumar, Kamaldeep Kaur, “A hybrid SOM-Fuzzy Time Series (SOMFTS) technique for future forecasting of COVID-19 cases and MCDM based evaluation of COVID -19 forecasting models” , in <i>Proc. of International Conference on Computing , Communication and Intelligent Systems</i>, 2021. (IEEE Xplore)</p> <p>8. Monika, Kamaldeep Kaur, “An Automated Approach to Detect and Label Abandoned Objects from Videos using generalized ROIs”, <i>IEEE 17th India Council International Conference (INDICON)</i>, 2020. (IEEE Xplore)</p> <p>9. Ajay Kumar, Kamaldeep Kaur, “Aiding Team Leader Selection in Software Industry using Fuzzy-TOPSIS Approach”, <i>5th International Conference on ICT for Intelligent Systems, Smart Innovation Systems and Technologies - Springer Series</i>, 2021</p>			
Books Authored/ BookVolume Chapters	-			
No. of Conferences	National	Attended		Organized
				-
	International	6		-
Research Guidance	Awarded	PG	M. Phil	Doctorate
		20	-	-
	Undergoing	7	-	2
Research Projects	Completed	UGC sponsored Major Project “Design and Development of Techniques for Measurement and Prediction of Software		

		Quality", 2012-2015
	Undergoing	-
Awards & Distinctions		
Administrative Assignments Handled	Additional Coordinator MCA Programme USIC&T Additional Coordinator Ph.D Programme USIC&T Convener Digital System Design Lab USIC&T Convener M.Tech Syllabus Revision Committee USIC&T Member M.Tech Admission Committee USIC&T Member Alumni Association Committee USIC&T Member School Research Committee USIC&T Member B.Tech Project Committee USIC&T University representative in CET USIC&T IEEE WIE Faculty Coordinator USIC&T	
Association with Professional Bodies	IEEE, IEEE WIE, Life member Indian Society for Technical Education, Life member Semiconductor Society of India, Life member Society for Reliability Engineering, Quality and Operations Management	
Any other Achievements	-	