Profile Page

Research Interests :

Software Engineering, Machine Learning, Data Analytics, Program Comprehension, IT Project Management

Other Profile Links :

Google Scholar Link :

Google Scholar Click Here

Journal Publications :

Year	Journal	Publication
2021	Journal of The Institution of	Piyush Bagla, Kuldeep Kumar, Nonita Sharma and Ravi Sharma,
	Engineers (India): Series B,	Multivariate Analysis of Water Quality of Ganga River
	Springer, volume 102, 539–549	
2019	IEEE Consumer Electronics	Kuldeep Kumar, Sumit, S. Kumar, L. K. Singh, "Evaluating
	Magazine, vol. 8, no. 6, pp. 56-61	Technologies for Reliable Software in Consumer Electronics: Survey of
		Component Failure Modeling"
2018	Computers and Electrical	G. R. Choudhary, S. Kumar, Kuldeep Kumar, A. Mishra, C. Catal,
	Engineering, Elsevier, 67(2018)	"Empirical Analysis of Change Metrics for Software Fault Prediction"
	15–24	
2017	Multimedia Tools and	S. Shrivastav, S. Kumar, Kuldeep Kumar, "Towards an Ontology based
	Applications, Springer, Volume	Framework for Searching Multimedia Contents on the Web"
	76, Issue 18, pp 18657–18686.	
2016	Computer Science and Information	S. Jarzabek, Kuldeep Kumar, "On Interplay between Separation of
	Systems (ComSIS), Vol. 13, No. 3,	Concerns and Genericity Principles: Beyond Code Weaving"
	pp. 731–758	
2016	Annals of Computer Science and	Kuldeep Kumar, S. Jarzabek, D. Daniel, "Managing Big Clones to Ease
	Information Systems (ACSIS),	Evolution: Linux Kernel Example"
	IEEE, Volume 8, pp. 1727–1736.	
	2016.	

Conference Publications :

Year	Conference	Publication		
2019	21st KKIO Software Engineering Conference-2019,	Manoj Kumar Singh, Kuldeep Kumar, "Scalable and		
	11-13 September, pp 31-41, Bialystok, Poland	Accurate Detection of Function Clones in Software		
		using Multithreading"		
2018	32nd International Conference on Information	V. Maheshwari, A. Bhatia, Kuldeep Kumar, "Faster		
	Networking (ICOIN-2018), Thailand, 556-561	Detection and Prediction of DDoS attacks using		
		MapReduce and Time Series Analysis"		
2016	6th NSF/TCPP Workshop on Parallel and Distributed	Kuldeep Kumar, "Research-oriented Multi-course		
	Computing Education (EduPar-16), in conjunction	Integration of PDC Topics from TCPP Core		
	with 30th IEEE International Parallel & Distributed	Curriculum at Undergraduate level"		
	Processing Symposium (IPDPS-2016), USA, 1-2			

2015	5th NCE/ECDD Workshop on Devellel and Distributed	C. Kuman Kuldson Kuman "Dessenth anianted	
2015	5th NSF/TCPP Workshop on Parallel and Distributed	S. Kumar, Kuldeep Kumar, "Research-oriented	
	Computing Education (EduPar-15), in conjunction	Teaching of PDC Topics in Integration with Software	
	with 29th IEEE International Parallel & Distributed	Engineering and Computer Networks Courses"	
	Processing Symposium (IPDPS-2015), India, 1-2		
2015	17th KKIO Software Engineering Conference-2015,	S. Jarzabek and Kuldeep Kumar, "Weak Separation of	
	Miedzyzdroje, Poland, September 17-19, 2015; pp.	Tightly Coupled Concerns with Generic Program	
	119–136	Representations	
2014	2014 ACM SIGPLAN conference on Systems,	Kuldeep Kumar, S. Jarzabek, "Detecting Design	
	Programming, Languages and Applications: Software	Similarity Patterns Using Program Execution Traces"	
	for Humanity (SPLASH-2014), Portland, Oregon,		
	USA, 55-56		
2014	2014 IEEE International Conference on Software	Kuldeep Kumar, S. Jarzabek, "Detecting	
	Maintenance and Evolution (ICSME-2014), Victoria,	Collaborative Patterns in Programs"	
	BC, Canada, pp. 664–664,		
2014	2014 Asian Symposium on Programming Languages	Kuldeep Kumar, S. Jarzabek, D. Daniel, "ART: a	
	and Systems (APLAS-2014), Singapore, pp. 1–2,	Meta-programming Language for Configuring	
		Variants in Software"	

Research Projects :

Role	Project	Title	Funding	From	То	Amount	Status	Co-Investi
	Туре		Agency					gator
Co-PI		Course	MHRD	2016	2017	7 Lakh	Complete	
		developed					d	
		"Principles of						
		Programming						
		Languages"						
		under						
		Developing						
		suitable						
		pedagogical						
		methods for						
		various						
		classes,						
		intellectual						
		calibers and						
		research in						
		e-learning						
		CCDA: Tool	SERB-DST	2019	2022	16.21	Ongoing	
		support for				Lakhs		
		Detecting and						
		Analyzing						
		High-level						
		Code Clones						
		in Software to						
		re-engineer						
		legacy						
		systems for						
		Reuse						

Professional Affiliations :

Designation	Organization

Member, Elsevier Advisory	
Panel.	
Member, McGraw-Hill	
Education Advisory Panel	

Patents :

Name	Reg./Ref. No.	Date of Award/Filling	Organization	Status
Number of Patents Published: 02				

Award and Honours :

Title	Activity	Given by	Year
Nominated as International biographical			
Centre Man of the Year 2017, Cambridge,			
UK.			
Inclusion in the IBC's Top 100 Scientists			
2017, International biographical Centre,			
Cambridge, UK.			
Sanctioned NSF/Intel Travel Grant for			
EduPar-16, EduPar-15			
Early Adopter Award by CDER, USA for			
Fall 2015			
Best Research Paper Award, KKIO-2015			
NUS PG Travel Grant for SPLASH-2014,			
ACM SIGPLAN Student Grant for			
SPLASH-2014			
Travel Grant for ICSME-2014.			