Kumaun University, Nainital Curriculum Vitae

Name	: Dr. Deepak Kumar
Designation	: Sr. Assistant Professor
Department	: Mathematics, DSB Campus, KU, Nainital
Contact Information	
Email Address	: deepakdev16@gmail.coom
Mobile No	: +919456393693
LinkedIn Profile (Optional)	:
ORCD ID	: https://orcid.org/0000-0002-7979-9307

Educational Qualification

Degree	University	Subjects	Year
M.Sc.	GBPUA&T, Pantnagar	Major- Mathematics Minor-Computer Science	2011
Ph. D.	GBPUA&T, Pantnagar	Major- Mathematics Minor-Electronics and communication engineering	2015

Work Experience (add row if required)

Position	Department	University/Organization	Year
Assistant	Mathematics, DSB	Kumaun University, Nainital	2013 to
Professor	Campus		present

Administrative Responsibilities (add row if required)

Position	Nature of responsibility	University/Organization	Year
Member of Examination Committee	Conducting examination in DSB Campus	DSB Campus, Kumaun University, Nainital	2019
Convener of M. Sc. I Admission Committee	Conducting examination in the Department of Mathematics, DSB Campus Naintal	Department of Mathematics, DSB Campus Naintal	2018 to present
Mentor in Outreach programme of Career counseling cell	Welfare of primary education in vulnerable region	Kumaun University, Nainital	2019 to 2020

Research Interests

- 1. Reliability theory
- 2. Fuzzy set theory
- 3. Analysis

Publications (start from recent publications)

a) Research Papers (add row if required)

Authors name	Title of the paper	Vol, page no	Year
Deepak Kumar,	Fuzzy Reliability	Life Cycle Reliability and Safety	2024
Rana, S., &	assessment of urea	Engineering	
Kumari, A	fertilizer plant based	(20-feb- 2024)	
	an Petri nets method		
	using a probabilistic		
	nicture hesitant		
	fuzzy set		
Doopok Kumor	Tuzzy Set	(Coorney Indexed)	2022
Rana S &	furner and a mith	(Scopus Indexed)	2023
Kumari. A	iuzzy number with		
,	application of fuzzy		
	transportation		
	problem,		
	International journal		
	of mathematics in		
	operational research		
	(2023)		
Deepak Kumar,	A novel approach for	International journal of mathematics	2023
Rana S.	analysis fuzzy	in operational research (2023)	
	reliability of	(Scopus Indexed)	
	washing system		
	using a-rung		
	orthopair fuzzy set		
	theory		
Mintu Kumar.	System reliability	International Journal of	2023
Deepak Kumar,	analysis based on	Mathematics in Operational Research	
S B Singh	Pythagorean fuzzy	(inder science) ISSN 1757-5850	
	sof	(2023) Vol 24 No 2 2023 (Scopus	
	501	(2023), Vol. 24, No. 2, 2023, (Scopus Indexed)	
Iava	Poliobility analysis	IEEE avplorar) (2022) 7th	2022
Bhadauria: Sudha	Reliability analysis	IEEE explorer) (2022), /	2022
Rana; Anita	of different complex	International Conference on	
Kumari; Deepak	systems using	Computing, Communication and	
Kumar	intuitionistic	Security (ICCCS), DOI:	
	trapezoidal fuzzy	10.1109/ICCCS55188.2022.10079498	
	number		
Supriya; Suneel	Fuzzy Reliability	IEEE explorer) (2022) , 7^{th}	2022
Kumar; Deepak	Evaluation Using	International Conference on	
Kumar	Pythagorean Fuzzy	Computing, Communication and	
	Set Approach	Security (ICCCS)	
	Emphasizing Score		

	Function and		
	Accuracy Function		
Anita Kumari; Deepak Kumar	New Applications in Computing Using Intuitionistic Fuzzy Set Approach	7 th International Conference on Computing, Communication and Security (ICCCS), (IEEE explorer) (2022)	2022
Deepak Kumar, Anita Kumari	Utilization Of Interval Valued Intuitionistic Fuzzy Soft Set in The Health Sector	International Journal of Health Sciences, ISSN 2550-696X (2022),(Scopus Indexed)	2022
Deepak Kumar	Some New Results Using Soft Conflicting Bifuzzy Set Approach	Journal of International Academy of Physica, ISSN 0974 - 9373 (2022)	2022
Deepak Kumar, Anita Kumari	Reliability appraisal of a system using interval-valued probabilistic dual hesitant fuzzy element	Materials Today: Proceedings (ScienceDirect, Elsevier), ISSN 2214- 7853(2022), Vol. 57, issue 05, pp. 1995-2001, (Scopus Indexed)	2022
Padam Singh, Deepak Kumar, Anita Kumari	Effect of heat and mass transfer in nanofield flow along a vertical thin needle	Materials Today: Proceedings (ScienceDirect, Elsevier), ISSN 2214- 7853(2022), Vol. 57, issue 05, pp. 1995-2001, (Scopus Indexed	2022
Deepak Kumar , S.B. Singh and Pawan Kumar	Fuzzy reliability appraisal of a system using probabilistic dual hesitant fuzzy element emphasizing score function	International Journal of Mathematics in Operational Research (inder science) ISSN 1757-5850 (2022), vol. 21, no 1,issue 10, pp 67-82, (Scopus Indexed)	2022
Deepak Kumar , Anita K	A Generalized Fixed Point Theorem on Partial b-Metric Spaces, Fixed Point Theory and its Applications to Real W Fuzzy System Reliability Using Hesitant Fuzzy Element and Score Function, Advancements in Fuzzy Reliability Theory (book chapter)	ISBN: 978-1-53619-336-7. 24 May (2021), (Scopus Indexed).	2021
Deepak Kumar,	Fuzzy system	Advancements in Fuzzy	2021
and	reliability using	ReliabilityTheory(book chapter) ISBN13: 9781799875642, 209-221.	

Anita Kumari	Fuzzy element and	02 feb (2021)	
	score function		
Deepak Kumar,	Fuzzy reliability	International Journal of Reliability	2021
S B SINGH	appraisal using	Quality and Safety Engineering	
	interval valued	(IIROSE) (2021) vol 28	
	intuitionistic hesitant	(151(251)), (2021), (01. 20	
	fuzzy element and		
	score function		
Doopole Kumor	Delighility and maan	Advances and Applications in	2020
Pawan Kumar	Kenadinty and mean	Advances and Applications in	2020
Anita Kumari	time to failure of	Mathematical Sciences (Mili	
	unrepairable systems	Publications) (2020), ISSN: 09/4-	
	using intuitionistic	6803, 1337-1366. Vol 19	
	fuzzy random		
	lifetimes		
Deepak Kumar,	Fuzzy reliability of a	The International Journal of Statistics	2020
S B Singh	system using dual	and Reliability Engieering (IJSRE)	
	hesitant fuzzy	(2020)	
	element		
Deepak Kumar	Soft intuitionistic	Journal of Engineering Research and	2019
	fuzzy sets with some	Application (2019) ISSN : 2248-9622	
	new operations	Vol. 9	
Deepak Kumar,	Analysis of a	Journal of Engineering Research and	2019
S B SINGH	mathematical	Application (2019)	
	reliability model for		
	a system with fuzzy		
	constant failure rate		
	using trapezoidal		
	fuzzy number		
Anita Kumari,	T-Curvature Tensor	IOSR Journal of Mathematics	2019
Deepak Kumar	On Generalized (k-	(IOSR-IM) (2019)	_0.0
_	'u) Contact Metric	(1051(510)), (2019)	
	Manifolds		
Deenak Kumar	Conjunction as	IOSR Journal of Mathematics (IOSP	2019
Anita kumari	Cohesive Devices in	IOSIC JOURNAL OF WALLENBALES (IOSIC-IM) (2010)	2010
	the Writing of	J (1) (201)	
	Methematiciana		
Doonak Kumar	An Evoluction of the	IOSP Journal of Engineering	2010
S B SINGH	All Evaluation of the	IOSK JOUINAL OF Engineering	2019
Anita Kumari	System Reliability	(IOSKJEN) (2019), ISSN:2278-8719,	
	Using Fuzzy	17-20	
	Lifetime Distribution		
	Emphasising		
	Hexagonal Fuzzy		
N	Number		
Deepak Kumar,	Some	International Journal of Computer &	2015
s d silign	Characterisations of	Mathematical Sciences (IJCMS),	
	α-Cut in Conflicting	(2015), 94-98	
	Bifuzzy Set Theory		
	Evaluating fuzzy	Innovative application of	2015

reliability	using compute	ational intelligence on power,	
rough int	uitionistic energy a	and controls with their impact	
fuzzy set	on huma	anity (IEEE explorer) (2015)	

b) Patents (start from recent publications) (add row if required)

Authors name	Title of the patent	Patent no (Granted or filed)	Year
Deepak kumar et al.	A computational method for financial time series forecasting based on hesitant fuzzy sets	202311039817A	2023
Deepak kumar et al.	Multi-criteria decision making based on intuitionistic fuzzy sets	202211003444 A	2022

c) Books (start from recent publications) (add row if required)

Authors name	Title of the book	Publisher	ISBN	Year
Deepak kumar	Matrices,		978-93-	2022
et al.	Trigonometry		5480-641-4	
	andDifferential	Thakur		
	calculus	Publication		

d) Book chapters (start from recent publications) (add row if required)

,	1 (,,,		
Authors name	Title of the book	Publisher	ISBN	Year
Deepak kumar,	Evaluating Fuzzy	River Publishers (Tylor	ISBN978	2023
Pawan kumar	System Reliability	n Francis)	10034258 85	
	using a Time			
	Dependent			
	Hexagonal Fuzzy			
	Number			
Deepak kumar,	Recent advances in	Selective & Scientific	978-93-92787-	2022
Anita kumari	mathematics	Books (SSB)	31-7	
	and optimization			
Deepak kumar,	Fixed Point Theory		978-1-53619-	2021
Anita kumari	and its Applications		336-7	
	to Real World			
	Problems	NOVA Publication		
Deepak kumar	Advancements in		9781799875642	2021
	Fuzzy Reliability			
	Theory	IGI Global publisher		

e) Conference Publications/Proceedings (start from recent publications) (add row if required)

Authors name	Title of the paper	Conference name	Year
Deepak Kumar	Reliability estimation	ICETSAST 2024	2024
	of any complex		

	structure under specific fuzzy environment		
Deepak Kumar	Reliability appraisal of a system using interval-valued probabilistic dual hesitant fuzzy element	ICIAST-2021	2021
Deepak Kumar	Fuzzy Reliability Appraisal using Interval Valued Intuitionistic Hesitant Fuzzy Element and Score Function	ICMTEA 2020	2020
Deepak Kumar	FUZZY RELIABILITY ANALYSIS AND FIXED POINTS	International e- Conference on Fixed Point Theory and its Applications to Real World Problems	2020

Projects (add row if required)

Title of the	Funding agency	Amount (Rs)	Year
project			
Reliability	Kumaun University,	2.0 Lakh	2023-24
appraisal of	Nainital		
various			
complex			
systems using			
fuzzy set			
theory			

Teaching details (add row if required)

Name of the	Department	University	Year
course/paper			
Matrix,	Mathematics	Kumaun University	2013-17
trigonometry			
and vector			
calculus			
Integral	Mathematics	Kumaun University	2014-18
calculus		_	
Linear algebra	Mathematics	Kumaun University	2018,2019,2023,2024
Differential	Mathematics	Kumaun University	2019-2023
equation		_	
Topology	Mathematics	Kumaun University	2013-2024
Complex	Mathematics	Kumaun University	2019,20
analysis			
COV and	Mathematics	Kumaun University	2019,2020,2021,2022
integral			
equations			

Advanced algebra	Mathematics	Kumaun University	2022
Abstract algebra	Mathematics	Kumaun University	2021,2022

Honours and Awards (add row if required)

Award	Awarding Organization	Year
Prof. YPS Pangtey Research Award	Kumaun University	2023

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Signature of the faculty member