



Faculty Profile

Title:	Dr.	First Name: Virender		Last N	ame:			
Designation:		Assistant Professor						20
Department:				125				
Address:		91 GF 3BR 1	North Avenue II Omaxe Cit	y Bahadurgarh	(HR) 124507			
Email:			<u>virendermath@shyan</u>	nlal.du.ac.in				~~
Web-Page:								
Educational Qualification	ns (from	Bachelor's Degree):						
Degree		Subject	Univers	sity/ College/In	stitution			Year
B.Sc. (H)		Mathematics	L	lhi			2001	
M.Sc.		Mathematics	L	Iniversity of De	lhi			2004
CSIR NET-JRF		Mathematics		CSIR				2004
Ph.D.		Mathematics	M.L.	S. University Uo	laipur			2009
Experience:								
		Name of the University Institute/Organisa	//College/ ation	Designation & Status (Permanent/ Ad-hoc)	From	То	Effect	ive Time Period
		Ramjas College, Univers	sity of Delhi	Ad-hoc	27.07.2009	13.11.2022	13 Y	ears 4 Months
Teaching		Shyam Lal College, University of Delhi		Permanent	27.03.2023	Till date	2 Months	
Research/ Corpora	te							
Consultancy								
Teaching - Learning Proc	ess (Dur	ing the Academic Year 2019-2020)						
Are You using ICT (LN Resources)?	1S, E-		If Yes, Pleas	e give the deta	ils below:			
			Name				Total Nu	mbers
E- Resources		MIT and other Re	eputed Resources related t	o topics				
Techniques and Platfo	orms	CAS: Mat	thematica, TORA, R, Latex					
Career Advancement ar	nd Contr	ibution to College Corporate Life (Last	three years till June 2020)):				
		Name of the Committe	Name of the Committee/ Centre/ Society/ Cell		Designation	From		То
Convenor/Member Committees	of							
Any Other Administre	ative							
Responsibility (Burs	ar,							
Coordinator, Superinte	ndent							
etc.)		<u></u>						
Areas of Interest/Specia	lisation:							
S.No.			Areas of Intere	est/ Specialisati	on			
1			Ar	nalysis				
2			Function	nal Analysis				

Subjects Taught (During	the Aca	demic Year 2019-2020)							
S.No.		Subject	S.No.	Subject					
1		Multivariate Calculus	2	Numerical Methods					
3		Partial Differential Equations	4	Mechanics					
5	Lin	ear Programming and Applications	6			Analys	is		
Publications: Citation Inc	dex in So	opus/Web of Science or Pub Med/ Inc	lian Ciation Index			_	_	_	-
Title of Paper	Name of the Author	Title of the Journal	Year of Publication	Citation Index	h-Index	Institutiona I affiliation as mentioned in the publication	Number of citations excluding self citations	Impact factor, if any	
On Perturbation of Frames in Hilbert Spaces	Virend er	International Journal of Pure and Applied Mathematics	2008			M.L.S.U. Udaipur			
A Note on Block Sequences in Hilbert Spaces	Virend er	Glasnik Matematicki	2008			M.L.S.U. Udaipur			
On Stability of Frames in Conjugate Banach Spaces	Virend er	Journal of Indian Mathematical Society	2008			M.L.S.U. Udaipur			
A Note on Frame Sequences in Hilbert Spaces	Virend er	International Journal of Contemporary Mathematical Sciences	2008			M.L.S.U. Udaipur			
On Atomic Decomposition in Banach Spaces	Virend er	International Journal of Mathematical Analysis	2010			M.L.S.U. Udaipur			~
On Almost Orthogonal Frames	Virend er	International Journal of Mathematics and Mathematical Sciences	2012			Ramjas College			June 2018
On WH-Packets in L^2(IR)	Virend er	Communications in Mathematics and Applications	2012			M.L.S.U. Udaipur			Before
On Stability of Orlicz N- Frames	Virend er	Journal of Environment Sciences, Computer Sciences and Engineering	2014			Ramjas College			
On Stability of Frames in Hilbert Spaces	Virend er	Journal of Chemical, Biological and Physical Sciences	2015			M.L.S.U. Udaipur			
A Note on Feichtinger Conjecture	Virend er	Southeast Asian Bulletin of Mathematics	2015			Ramjas College			
Dual Frames in Finite Dimensional Quaternionic Hilbert Spaces	Virend er	Poincare Journal of Analysis and Applications	2016			Ramjas College			
Matrix Valued Wave Packet Bessel Sequences and Symmetric Frames in L^2(R_d;C_sxr)	Virend er	Poincare Journal of Analysis and Applications	2018			Ramjas College			July 2018 -June 2019
On Frames in Finite Dimensional Quaternionic Hilbert Spaces	Virend er	Palestine Journal of Mathematics	2020			Ramjas College			luly 2019-June 2020
Applications of Mathematics in Machine Learning	Virend er	Hans Sodh Sudha	2021			Ramjas College			

Inhomogeneous wave reflection from the surface of a partially saturated thermoelastic porous media Wave-induced	Virend er	International Journal of Numerical Methods for Heat and Fluid Flow	2021			Ramjas College			July 2020-June 2021
flow of pore fluid in a cracked porous solid containing penny shaped inclusions	Virend er	Petroleum Science	2021			Ramjas College			
A Note on Generalized Frame Potential	Virend er	Jordan Journal of Mathematics and Statistics	2022			Ramjas College			022
A Note on Excess of Frames in Hilbert Spaces	Virend er	Tattva-Sindhu	2022			Ramjas College			2021-June 2
Near Equiangular Frames in Hilbert Spaces	Virend er	International Journal of Interdisciplinary Organizational Studies	2022						ylul
Books and Chapters in e	dited Vo	lumes/Books published, and paper in	National /International co	nference Proce	eeding per tea	cher during	the Year		
Title c	of Book/P	aper/ Book Chapter	Publisher		National/Int	ernational	Year		
A Study of Gabor Fra	mes and	Related Concepts in Banach Spaces	Scholars' Pres	SS	Interna	tional	2014		
An Introducti	on to Lin	ear Algebra (For Beginners)	Imprint Book	S	National		2015	œ	
Multi	ole Integi	ral (Double Integral)	ILLL		Natio	onal	2014	e 20:	
Multiple Integral (Triple Integral)			ILLL		National		2014	unf	
Dual Spaces			ILLL		National		2015	efore	
Improper Integrals			ILLL		National		2015	Be	
Gamma Function and Beta Function			ILLL		Natio	onal	2016		
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								19- 119-	ne 20
								۱۲ 20	n 2
Conference/ Seminar/ S	ymposiu	m/ Workshop/ Presentation:							
Sr. No.		National/ International/state	Topic of the Conference/Seminar/Wo rkshop	Paper Presentation/Attend/ Resourse Person		Date	Duration		
1		National	On Retro-p Frames in Conjugate Banach Spaces	Рар	oer Presentatic	n	31.01.2010	25 Min.	
2		International	Fourier Analysis and Signal Processing	Paper Presentation		14.05.2011	25 Min.		
3		International	An Introduction to Foundation of Holography	Paper Presentation		18.05.2011	25 Min.	18	
4		National	On Localization of Frames	Resourse Person		26.02.2016	25 Min.	ore June 20	
5		International	Frame Scaling in Hilbert Spaces	Re	esourse Person		19.12.2017	25 Min.	Bet
6		International	Mini Course on Wavelets	Re	esourse Person		20.12.2017	50 Min.	

1		International	Frame Potential in Hilbert Spaces	Re	sourse Persor	1	05.11.2019	25 Min.	2018 -June 2019
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1		International	Bases and Frames in Quaternionic Hilbert Spaces	Re	Resourse Person 05.11.2019 25 Min. Resourse Person 27.08.2020 25 Min. Resourse Person 07.10.2020 25 Min. Instrustrustrustrustrustrustrustrustrustru		June 2021		
2		National	Resources on Multivariate Calculus and Numerical Methods	Re	Resourse Person 07.10.2020 25 Min.		July 2020-		
Research Projects/ Inno	vation Pr	ojects (Major Grants/Research Collab	oration):						
S.No.		Title of the Project	Funding Agen	су		St	atus/Output		
Research Guidance (Ph.	D./ M. P	hil.):							
		No. of Ph.D. Students		1	No. of M.Phil. S	Students			
Awarded									
		2							
Eellowships/Awards /Di	stinction	2 S/Recognitions:							
	sumetion			N 6.1					
Year of Award	Name c	Recognition	Desination	Bodies /A	e Academic ssociation	Int	ternational /N	ational/ Stat	e
2004		Junior Research Fellowship	Research Scholar, Ph.D.	CS	CSIR		Natio	National	
		· · ·							
Incentive to the teacher	s who ree	ceive recognition/awards		[
State		National				Internatio	onal		
Association with the Pro	fessiona	Rodies							
	ressiona	Name of the	Organisation				Vear		
Membership		AMS	. ISHM		2019-2023 Life Member			ber	
Any Other			,						
Development of E-Learn	ing Deliv	ery Process/Material:							
S.No		Title of the Module		Recognis	ed by/Submit	ted at/ Deliv	ered at any go	overnment se	etup

esher/ Orientat	sher/ Orientation Programme/ FDP / Other Specialised Courses:							
S.No.	Торіс	Name of the Organiser	Place	Duration and Year				
1	Concerns in Educational Research and Assessment	SWAYAM	Online/Offlin e	3 Months, 2020				
2	Pedagogical Innovations and Research Methodology	SWAYAM	Online/Offlin e	3 Months, 2020				
3	Fourier Analysis and Its Applications	SWAYAM	Online/Offlin e	3 Months, 2021				
4	Leadership and Governance in Higher Education	SWAYAM	Online/Offlin e	3 Months, 2021				
5	Faculty Induction Programme	TLC Ramanujan College	Online	1 Month, 2021				
6	Applications of Algebra and Number Theory in Network Security	FDRC Hansraj College	Online	1 Week, 2020				
7	Student-Centric Pedagogic Methods	FDRC Hansraj College	Online	1 Week, 2021				
8	Roadmap for Building New India with New Education Policy	FDRC Hansraj College	Online	1 Week, 2021				
9	Creation and Development of Moocs while Managing Online Classes	FDRC Hansraj College	Online	1 Week, 2021				
10	Applications of Al-Machine Learning and Soft Computing Techniques	FDRC Hansraj College	Online	1 Week, 2022				
11	Administrative Skills and Leadership	FDRC Hansraj College	Online	1 Week, 2022				
aration			· ·					
Id	lo hereby solemnly declare that the information giver	and the statements made by me are	e correct and true to t	he best of my knowledge				
				Dr. Virender				