FACULTY PROFILE PROFORMA

Title	Dr.	First Name	Rajni	Last Name	Kanwar	Photograph
Designation	Assis	tant Prof	essor		•	
Department	Math	ematics				
Address	Depa	rtment of	Mathemati	CS		
(Official)	Kalin	di Colleg	e East Pate	I		- To 60
,	Naga	ır,				
	Patel	Nagar, N	New Delhi, D	Delhi-110008		
Phone No.	+917	6074014	26			
Email/	rajnika	nwar@k	alindi.du.ac.	in		
Research						
Contact						

Education

Eddoution				
Course	Institution	Year		
Ph.D.	Himachal Pradesh University, Shimla	2016		
M.Phil.	Himachal Pradesh University, Shimla	2010		
Post Graduation	Himachal Pradesh University, Shimla	2009		
Graduation	Himachal Pradesh University, Shimla	2006		

Career Profile

Organisation/Institution	Designation	Dates Employed	Role
Presidency	Assistant Professor	July 2019- July 2022	B.Tech.
University, Bangalore			Teaching
The World Grad	SME	September 2022- Feb 2024	Subject Matter Expert
Kalindi College	Assistant Professor	Feb 2024 - Present	Undergraduate Teaching

Research Interests/Specialization

Group Theory, Brauer Algebra, Signed Brauer Algebra, Group action, Patial Group Action

Administrative Assignments / Contribution to corporate life

- Co Convenor (Proctorial Board)
- Member (Kavya Shristi)

Teaching Experiences (Subject/Courses taught)

- B.Sc.(H) Mathematics (Paper description): Mechanics, Vedic Mathematics I, II, III, IV, Discrete Mathematics
- **B.A. Prog. (Paper description):** Differential Equations, Graph Theory, Combinatorics, Elements of Discrete Mathematics
- **B.**Sc. Physical Science (**Paper description**): Combinatorics

Research Guidance

Publication (Pe	er Reviewed/Indexed Journals)		
Year of Publication	Title	Name of Journal	
2019	Some Subgroups of symmetric groups determined using Signed Brauer diagram	Journal of Algebra and its Applications	
2016	"Labelling of sets under the actions of Sn arrow and arrow	Algebra and its Applications	

2016	Partial Actions on Graphs	International Journal Of Technology	
2015	Distinguishing Labelling of Partial Actions	International Journal of Algebra	
2013	Partial Skew Group Semi rings	Journal of Combinatorics, Information and system Science	

Seminar/Workshop/Conferences Presentation/Organization

- Participated in level 'O' of Mathematics Training and Talent Search Programme (funded by NBHM) Punjab University, Chandigarh, May 30- June 25, 2005.
- Presented paper in 21st International Conference of Forum for Interdisciplinary Mathematics (FIM)on "Interdisciplinary Mathematic, Statistics and Computational Techniques" held at the dept. of Statistics, Punjab University, from 15th to 17th Dec. 2012.
- Participated in National Conference on Recent Advances in Continuum Mechanics, held at the Dept. of Mathematics and Statistics, Himachal Pradesh University, Shimla on 29th and 30th March 2013.
- Participated in Advanced Instructional School (AIS) on "Diophantine Equations" organized at the Dept. of Mathematics and Statistics, Himachal Pradesh University, Shimla from 16th June to 4th July 2014.
- Presented Research Paper titled "Partial Group Actions on Graphs" in International Conference in Algebra and Allied Fields organized under UGC SAP at the Dept. of Mathematics and Statistics, Himachal Pradesh University, Shimla on 26th March and 27th July 2014.
- Presented Research Paper titled "Structure Theorem for Partial (G, alpha)-sets" in National Seminar on Algebra and its Applications organized under UGC SAP at the Dept. of Mathematics and Statistics, Himachal Pradesh University, Shimla on 26th March 2016.
- Participated in Two Days National Workshop on "Hands on Computing with MATLAB", organized by Department of Mathematics, School Of Engineering, Presidency University, Bengaluru, held during 2nd & 3rd January 2020.
- Presented Paper entitled "Wreath Product and Conjugacy Classes" in International Conference on Mathematics and its Applications (ICAM-2020), organized by Dept. of Mathematics, Bangalore University, Jnanabharthi Campus, Bengaluru held on 28-29 Feb 2020.
- Acted as Key Resource person in the following online National level webinars:
- Online national level Webinar on "Group Theory and its Applications" organized by the Government First Grade College, Kolar (25/07/2020)
- Online national level Webinar on "Basic Algebra and its Applications" organized by the N.E.S. Govt. aided College Bangalore (07/07/2020)
- Presented Paper entitled "Conjugacy Classes of Wreath Product" 2nd INTERNATIONAL CONFERENCE ON RECENT TRENDS IN MATHEMATICS (ICRTM) organised by Hans Raj College, Delhi University, February 7-8, 2025.
- Session Chaired in 3rd International conference on Recent Trends in Mathematical Science(ICRTMS-2025) organised by HPU Shimla(10-11 May 2025)

Faculty Development Programme

- Participated in Faculty Development Programme on "Enlightening Math for Future Techie" organized by Department of Mathematics, School Of Engineering, Presidency University, Bengaluru, held on 25th January 2020.
- 4 week faculty induction/orientation programme for "Faculty in Universities/ Colleges/Institute of Higher Education" from 21 February- 19 March, 2024.
- Participated in Faculty Development Programme NEP 2020 Orientation & Sensitization Programme
 Under Malaviya Mission Teacher Training Programme(MM-TTP) of University Grant Commission
 Organised by Centre for Professional Development in Higher Education (UG- MMTTC), University of
 Delhi from 8th Oct. 2024 to 17th October 2024.

- Awards & Distinctions
- UGC-BSR (JRF, SRF) holder (2011-2015)
- Gold Medalist in Post-Graduation from Himachal Pradesh University.
- 3rd rank in Graduation at state level (Himachal Pradesh University).
- Merit holder in higher secondary school State Board.
- Professional Societies Memberships
- Lifetime membership of Himachal Mathematical Society.
- Lifetime membership of Himachal Ganit Parishad.