


## FACULTY PROFILE PROFORMA

Title	Dr.	First Name	Rajni	Last Name	Kanwar	Photograph
Designation	Assistant Professor					
Department	Mathematics					
Address (Official)	Department of Mathematics Kalindi College East Patel Nagar, Patel Nagar, New Delhi, Delhi-110008					
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Email/ Research Contact	rajnikanwar@kalindi.du.ac.in					

### Education

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 University, Bangalore	Assistant Professor	July 2019- July 2022	B.Tech. 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
- **B.A. Prog. (Paper description):** Differential Equations

### Research Guidance

### Publication (Peer 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 $S_n$ arrow and arrow	Algebra and its Applications	
2015	Distinguishing Labelling of Partial Actions	International Journal of Algebra	
2013	Partial Skew Group Semi rings	Journal of Combinatorics, Information and system Science	

<b>Seminar/Workshop/Conferences Presentation/Organization</b>
<ul style="list-style-type: none"> <li>• Research Paper “Partial Group Actions on graphs” in International Conference in Algebra and Allied Fields organized under UGC SAP in year 2014.</li> <li>• Presented paper in 21st International Conference at Punjab University in Dec. 2012.</li> <li>• Structure Theorem for Partial (G, alpha)-sets” in National Seminar on Algebra and its Applications in Year 2016.</li> <li>• Acted as Key Resource person in the following online National level webinars:</li> <li>• Online national level Webinar on “Group Theory and its Applications” organized by the Government First Grade College, Kolar (25/07/2020)</li> <li>• Online national level Webinar on “Basic Algebra and its Applications” organized by the N.E.S. Govt. aided College Bangalore (07/07/2020)</li> </ul>
<b>Faculty Development Programme</b>
<ul style="list-style-type: none"> <li>• 4 week faculty induction/orientation programme for ‘Faculty in Universities/ Colleges/Institute of Higher Education’ from 21 February- 19 March, 2024.</li> </ul>
<b>Awards &amp; Distinctions</b>
<ul style="list-style-type: none"> <li>• UGC-BSR (JRF, SRF) holder (2011-2015)</li> <li>• Gold Medalist in Post-Graduation from Himachal Pradesh University.</li> <li>• 3<sup>rd</sup> rank in Graduation at state level (Himachal Pradesh University).</li> <li>• Merit holder in higher secondary school State Board.</li> </ul>
<b>Professional Societies Memberships</b>
<ul style="list-style-type: none"> <li>• <i>Lifetime membership of Himachal Mathematical Society.</i></li> </ul>

**Dr. Rajni Kanwar**