Faculty Detail Performa (2017-23)

Name of Faculty

Name	Dr. Poonam Lakhotia	Photo
Designation	Assistant Professor	
Department	Mathematics	
Email	poonam@dr.du.ac.in	

Educational Qualification

Degree	Institution	Year
Ph.D.	University of Delhi	2021
M.Phil.	University of Delhi	2011
M.Sc.	St. Stephens College	2009
B.Sc.	Kirori Mal College	2007

Full time Teaching Experience

s.no	Designation	Institution	Time Period	Nature of Appointment
1	Assistant Professor	Daulat Ram College	11 years	Permanent

Administrative Assignments

- Core team member in NIRF ranking committee in the year 2022-23.
- Core team member in the Website committee in the year 2021-22.
- Member of the B.A.(P) committee of the college in the year 2021-22.
- Representative of Maths Department in the Teaching Program Committee in the academic year 2019-20.
- Admission committee member of B. Sc.(H) Mathematics in the academic year 2019-20, 2020-21.

Areas of Interest in Teaching:

Real Analysis, Algebra

Subjects Taught

S.No	Course	Subject Taught	Semester	Year

1	B.Sc. (H) Maths	Reimann Integration & Theory of Functions	IV	2018-19, 2019-20
2	B.Sc. (H) Maths	Metric Spaces	V	2018-19, 2019-20
3	B.A. (P)	Analysis	IV	2018-19
4	B.A. (P)	Analytic Geometry and Applied Algebra	V	2018-19, 2019-20
5	B.A.(P)	Transportation and Network Flow Problems	VI	2019-20
6	B.Sc.(H) Maths	Group Theory-I	III	2020-21
7	B.A.(P)	Analytical Geometry and Applied Algebra	III	2020-21, 2022-23
8	B.Sc.(H) Maths	Ring Theory and Linear Algebra-I	IV	2020-21
9	B.A.(P)	Analysis	IV	2020-21
10	B.Sc.(H) Maths	Calculus	I	2020-21
11	B.Sc.(H) Maths	Differential Equations	II	2020-21
12	B.Sc.(H) Maths	Group Theory-I	III	2021-22
13	B.A.(P)	Calculus	I	2021-22, 2022-23
14	B.Sc.(H) Maths	Ring Theory and Linear Algebra-I	IV	2021-22, 2022-23
15	B.A.(P)	Statistical Software: R	VI	2021-22, 2022-23

Research Publications:

International

S.No	Details with ISSN	Citation	Date of Publishing	Impact Factor	UGC Care List Journal Yes/No	Scopus Indexed Journal Yes/No	Affliating College/Univ	H-index
1	P. Mantry, K.T. Poumai, S.K. Kaushik, Reconstruction of Multidimensional digital	No	30 Sept 2022	1.408	Yes	Yes	Daulat Ram College,	26

							University of Delhi	
	signals, International Journal of Wavelets, Multiresolution and Information Processing, Vol 21, No. 01, 2023, ISSN-0219 6913							
2	K.T.Poumai,S.K.Kaushik, **Poonam Mantry** ,"Weyl Heisenberg frames and Balian-Low Theorem in l2(Z)" Journal of Mathematical Physics, ISSN-0022-2488, Vol 60, 043501 (2019).	3	24 April 2019	1.478	Yes	Yes	Daulat Ram College, University of Delhi	112
3	K.T. Poumai, S.K. Kaushik **Poonam Mantry**, "Frame Based Reconstruction of Signals in Multirate Implementation", Poincare Journal of Analysis and Applications, ISSN- 2349-6797 Vol (2019) (1), Special Issue (ICAM, Delhi), 31-51.	1	16 April 2019	0.5	Yes	Yes	Daulat Ram College, University of Delhi	3
4	S.K. Kaushik, **Poonam Mantry** "Computability of frames in computable Hilbert spaces", International Journal of Computer Mathematics: Computer Systems Theory, ISSN-2379 9927, Vol 4, 2019, 16-29.	No	28 Dec 2018	1.627	Yes	Yes	Daulat Ram College, University of Delhi	51

Conference Attended and Paper presentation

s.no	Type of Event	Name of Event	Venue of conference	Date of conference	Attended	Paper presented	No of papers presented
1	FDP	Managing Online Classes and Co-creating MOOCS 25.0	Online, Ramanujan College	07-21 April 2023	Yes	No	NA

2	FIP	Orientation Program	Online, Ramanujan College	20 Jan-18 Feb 2023	Yes	No	NA
3	FDP	Python: Essentials, Programming and Analytics	Online, Ramanujan College	27 Oct-23 Nov 2022	Yes	No	NA
4	Webinar	Some Concepts from Linear Algebra	Online, Ram Lal Anand College	6 March, 2022.	Yes	No	NA
5	Webinar	Applications of Mathematics in Image Processing and Network Security	Online, Rajdhani College	25-26 June, 2021.	Yes	No	NA
6	FDP	Attended an FDP on "**Moving Towards New Normal through Effective Online Teaching**"	Online Kalindi College in Collaboration with Mahatma Hansraj Faculty Development Centre, Hansraj College.	01-07 December, 2020.	Yes	No	No
7	Webinar	Attended a FDP on "**Empowering Teaching-Learning Process using Google Classroom & other ICT tools: A Comprehensive Practical Approach**"	Online Department of Commerce, Daulat Ram College	21-23 July,2020.	Yes	No	No
8	Webinar	Attended a National Webinar on "**Technology-enabled Higher Education in India: Challenges and Opportunities**"	Online Department of Mathematics, Daulat Ram College	19 June 2020.			
9	Webinar	Attended a webinar "**Women and the making of Aatmanirbhar Bharat**"	Online Daulat Ram College	12 June, 2020.	Yes	No	No
10	Webinar	Attended a webinar entitled "**Art and Science of Mentoring**"	Online Department Of Physics, Daulat Ram College.	01 June,2020.	Yes	No	No
11	Webinar	Attended a workshop on "**Smart Skills for online Teaching**"	Online, Smart Shiksha Organization	17 may, 2020.	Yes	No	No

12	Webinar	Attended a webinar entitled "**Graph Theory and Petri Nets Applications**"	Department of Mathematics, Shyama Prasad Mukherji College for Women	01 May,2020.	Yes	No	No
13	Conference	**International Conference on Physics, Society and Technology-2019**	Deshbandhu College, University of Delhi	January 17-19, 2019	Yes	**Multidimensional Zak Transform and Weyl Heisenberg Frames in** $l^2(Z^d)$	1
14	Workshop	**International Workshop on "Wavelets, Frames and Applications-III**	Kirori mal College	December 14-20, 2017.	Yes	**Computable g-frames**	1

Resource Person (Conference/seminar/ workshop/training programme/ educational trips)

S.No	Type of Event	Name of Event	Venue	Date of Event	State your role: Convener/Member organizing committee/ Speaker/ Coordinator	Duration of Activity	No of participant in the programme
1	In-House SDP	R-Language	Google Meet	21-28 December 2021.	Resource Person	6 days	40 approx.
2	In-House SDP	Enhancing learning through ICT Tools	Google Meet	24-25 November, 2021.	Resource Person	2 days	75 approx.
3	Webinar	Mathematical Modeling, Artificial Intelligence and machine learning	Google meet	22 September, 2021.	Co-convenor	2 hours	100 approx
4	Webinar	Decoding NEP: Redefining Goals and Pedagogies of	Google Meet	24 August, 2021.	Convenor	2 hours	100 approx.

		Today's Education for the World of Tomorrow.					
5	Webinar	Technology-enabled Higher Education in India: Challenges and Opportunities	Google Meet	19 June, 2020	Convenor	2 hours	150 on Google Meet and 500 on Youtube
6	Camp	Inspire Science Camp	Daulat Ram College	December 17-21, 2018	Member organizing team and Speaker	5 days	100 approx