Report
of
Mathematics Department
(2021-22)

Mehr Chand Mahajan
DAV College for Women
Sector-36(Chandigarh)

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1. Names of Programmes / Courses/ offered:

Name of the Programme/ Course	Class	Subject
UG	BSc (Non-medical), BSc (Computer applications), BA, BCA III	Mathematics
PG	MSc	Mathematics

2. Faculty Profile with Name, Qualification, Designation, Specialization

Name	Designation	Qualification	Specialization	Experience (in years)	PhD students
Dr. Neela Pawar	Assistant Professor	PhD	Fluid Mechanics	31	NIL
Dr. Swati Sidana	Assistant Professor	PhD	Algebra	07	NIL
Dr. Leetika	Assistant Professor	PhD	Number Theory	08	NIL
Dr. Sonica	Assistant Professor	PhD	Algebraic Geometry	06	NIL
Dr. Nisha Sharma	Assistant Professor	PhD	Numerical Analysis	09	NIL
Ekta Jain	Assistant Professor	PhD	Optimization	03	NIL
Dr Arshpreet Kaur	Assistant Professor	PhD	Optimization		NIL
Ms Chitra	Assistant Professor	MSc Net Jrf	-----------	10	NIL
Ms Pallavi Sharma	Assistant Professor	MSc	----------------		NIL

Faculty Publications /Awards/Achievements/Activities:

1. Details of Presentations by the Faculty in the session:

Name	Title of Paper	Title of the Conference/ Seminar	Month/ Year	Sponsoring Agency	National/ International	Award, if any
Dr Arshpreet Kaur	Robust duality in semi-infinite fractional multiobjective programming with data uncertainty,	International online conference on optimization (ICOP22) Place: Sidi Mohamed Ben Abdellah University, Fes, Morocco,	January 19-21, 2022.	____	International	----

2. Details of Orientation Programmes/ Refresher Courses/ FDPs (Not less than 7 days at a stretch)   etc. attended by the Faculty.

Name	Orientation/ Refresher/ FDP	Title of the Programme	Organizing Agency	Duration	From-To
Dr Swati Sidana	Refresher Course	Managing Online Classes & Co-creating MOOCS 10.0	Teaching Learning Centre, Ramanujan College, University of Delhi in collaboration with Sree Narayana Guru College of Commerce, Mumbai	Two weeks	13 December 2021 to 27 December 2021
Dr Swati Sidana	FDP	Advanced Pedagogical Techniques	Teaching Learning Centre, Ramanujan College, University of Delhi in collaboration with Sree Narayana Guru College of Commerce, Mumbai	One Week	25 June 2022 to 01 July 2022

Dr. Ekta Jain	FDP	Optimization: The Omnipresent	Motilal Nehru College, University of Delhi and Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi	One week	04 February 2022 to 09 February 2022
Dr Nisha Sharma	Refresher Course	Human Rights and Social Inclusion (Interdisciplinary)	UGC HRDC-Jamia Milia Islamia	Two Week	3 August -14 August, 2021

3.   Departmental Activity

Seminars/Conferences organized by the department in the session: Kindly include the sponsoring/funding agency:

Activity/ Seminar/ Conference	Date	Title of the Event	Name of the Funding Agency	Amount Received	No. of Students benefitted
Inter School Competitions	2nd march, 2022	Mathematics Quiz	SPSTI	10,000	125
Webinar	28 February, 2022	Wonders of Mathematics	PSCST(DST)	1500	90
Inter College Competitions	10March, 2022	Bhartiya Ganitam: A Heritage in Mathematics	PSCST	1,5000	200
Skill/Workshop	11th May 2022	Excel with Microsoft Excel:	NIL	NIL	150

Name	Title of Paper	Title of the Journal	Month/ Year	PEER Reviewed/ Refereed	UGC Approved Yes/No	ISSN	Name of Database Enlisted
Dr Sonica	Graded Betti numbers of some families of circulant graphs	Rocky Mountain journal of mathematics	December 2021	Yes	Yes	0035-7596	Scopus
Ms Chitra	Indefinite matrix inequalities via matrix means	Bulletin des Sciences Mathematiques	October 2021	Yes	Yes	0007-4497	Scopus
Ms Chitra	Furuta type inequalities via operator means and application to Kadison's type inequalities	Annals of Functional Analysis	Feb 2022	Yes	Yes	2639-7390	Scopus