

**Report
of
Department of Mathematics
(2024-25)**



**Mehr Chand Mahajan
DAV College for Women
Sector-36/A, Chandigarh**

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1. **Names of Programmes / Courses offered:**

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

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

Name	Designation	Qualification	Specialization	Experience	PhD students
Swati Sidana	Assistant Professor	PhD	Algebra	10	NIL
Leetika	Assistant Professor	PhD	Number Theory	11	NIL
Sonica	Assistant Professor	PhD	Algebraic Geometry and Combinatorial Commutative Algebra	09	NIL
Nisha Sharma	Assistant Professor	PhD	Numerical Analysis	12	NIL
Navjot Kaur	Assistant Professor	PhD, Post Doctorate	Continuum Mechanics/ Epidemiology	06	NIL
Chitra	Assistant Professor	PhD	Matrix inequalities	13	NIL
Promila	Assistant Professor	MSc, Net	-----	04	NIL
Sonali	Assistant Professor	MSc	-----	01	NIL

3. Faculty Publications /Awards/Achievements/Activities:

Details of Orientation Programmes / Refresher Courses/ FDPs/ Short Term Courses etc. attended by the Faculty.

Name	Orientation/ Refresher/ FDP	Title of the Programme	Organizing Agency	Duration	From-To
Dr Sonica	Short Term Course	Life Style and Health Care Management	UGC-MM-TTC, Sant Gadge Baba Amravati University, Amravati, Maharashtra	6 days	25 November, 2024 to 30 November, 2024
Dr Leetika	Short Term Course	NEP 2020 ORIENTATION & SENSITIZATION PROGRAMME	MM-TTC : Ramanujan College, Delhi	10 days	18 December, 2024 – 28 December, 2024
Dr Nisha Sharma	Short Term Course	NEP 2020 ORIENTATION & SENSITIZATION PROGRAMME	MM-TTC: Panjab University, Chandigarh	10 days	25 November, 2024 - 5 December 2024
Dr Nisha Sharma	Short Term Course	SHORT TERM COURSE IN AI IN HIGHER EDUCATION	MM-TTC: Panjab University, Chandigarh	7 days	18 February 2025 - 24 February, 2025

4. 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
Poster Presentation Competition	8 August, 2024	Poster Presentation Competition	Department of Higher Education, Chandigarh Administration		33
Inter college Maths Fest	6 February, 2025	Mathemagica 2025	Department of Science & Technology and Renewable Energy	Rs 15000/-	100
Lecture cum Inter College Competition	18 February, 2025	National Mathematics Day 2024	PSCST, NCSTC, DST, GoI	Rs 15000/-	120

5. **Details of Publications by the Faculty in the session: (Hard Copies of the Title Page of the Journal/Contents and First page of the Paper to be collected by the HODs): NIL**

Name	Title of Paper	Title of the Journal	Month/ Year	PEER Reviewed/ Referred	UGC Approved Yes/ No	ISSN	Name of Database Enlisted
Dr Sonica	On some homological invariants of edge ideals of Mongolian tent graphs	Algebra Colloquium	June 2025	Yes	Yes	ISSN (print): 1005-3867	Scopus

6. **Names of students who have cleared National / State competitive examinations such as NET, SLET, GATE, UPSC, CDS, etc.:**

- Arsha (Gate 2025)
- Shivangi Nautiyal (GATE 2025)
- Mamta (CSIR NET 2024)
- Ria Talwar (CSIR NET 2024)
- Arshdeep Kaur (Joined IAF as a commissioned officer) (Dec 2024)