

# **Report of Mathematics Department (2016-17)**



**Mehr Chand Mahajan  
DAV College for Women**

**Sector-36, Chandigarh**

**[www.mcmdavcwchd.edu.in](http://www.mcmdavcwchd.edu.in)**

## Annual Report of Department

Session 2018-2019

- **Department Name :** PG Department of Mathematics
- **Session: 2018-19**
- **Names of Programmes/Courses/ offered (UG, PG, Ph.D.):**

Name of the Programme/ Course	Class	Subject
<b>UG</b>	BSc (Non-medical), BSc (Vocational), BA	Mathematics
<b>PG</b>	MSc	Mathematics

- **Faculty Publications/ Awards/ Achievements/ Activities:**

### 1. 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 Neela Pawar	Numerical Investigation s of Stability and Superposed Jeffrey fluids in Porous medium in Hydromagne tics	International Conference on Algebra and Continuum Mechanics	Nov. 23-25, 2018	Department of Mathematics and Statistics, HP University, Shimla	International	
Dr. Swati Sidana	Units in finite loop Algebra of M S <sub>3,2</sub> )loop	DCDC, Panjab University sponsored National Seminar on 'Emerging Trends and innovations	Feb 09, 2019	PG Dept of Mathematics, MCM DAV College for Women, Chandigarh	National	

		in Mathematics'				
Dr. Leetika	Conjectures of Minkowski and Woods	DCDC, Panjab University sponsored National Seminar on 'Emerging Trends and innovations in Mathematics	Feb 09, 2019	PG Dept of Mathematics, MCM DAV College for Women, Chandigarh	National	
Dr. Taranjot Kaur	Constacyclic Additive Codes over Finite Rings	DCDC, Panjab University sponsored National Seminar on 'Emerging Trends and innovations in Mathematics	Feb 09, 2019	PG Dept of Mathematics, MCM DAV College for Women, Chandigarh	National	
Ms. Sugandha Sapru	A Review of Some New Methods for Finding Solution To a System of Non Linear Equations	DCDC, Panjab University sponsored National Seminar on 'Emerging Trends and innovations in Mathematics	Feb 09, 2019	PG Dept of Mathematics, MCM DAV College for Women, Chandigarh	National	

**2. Publications by the Faculty in the session:**

<b>Name</b>	<b>Title of Paper</b>	<b>Title of the Journal</b>	<b>Month/ Year</b>	<b>PEER Reviewed/ Refereed</b>	<b>UGC Approved Yes/No</b>	<b>ISSN</b>	<b>Name of Database Enlisted</b>
Dr. Leetika	Generalization of a result of Birch and Swinnerton Dyer	Journal of the Indian Math. Soc.	2018				
Dr. Nisha Sharma	Expanded Mixed FE method with lowest order RT elements for nonlinear and nonlocal parabolic problems	Adv. Comp. Math.	2018				
Dr. Taranjot Kaur	Enumeration of complementary dual cyclic codes	Discrete Mathematics	2018				
Dr. Taranjot Kaur	Enumeration formulae for self-dual, self-orthogonal & complementary-dual quasi-cyclic codes	Cryptography and Communications	2018				

3. **Details of Orientation Programmes/Refresher Courses/FDPs (Not less than 7 days at a stretch) etc. attended by the Faculty in the session: (Hard Copies of the Certificates to be maintained by the HODs):**

Name	Orientation/ Refresher/ FDP	Title of the Programme	Organizing Agency	Duration	From-to
Dr. Swati Sidana	Refresher Course	Research Methodology in Sciences ( All sciences)	UGC HRDC, PU Chd.	3 weeks	30.8.2018 to 19.9.2018

4. **Faculty as members in:**

Name	Committees (State / National / International)	University Bodies/ Board of Studies	NGOs (State / National / International)	Reviewers (State / National / International)
Dr. Neela Pawar	State	Member of Board of studies, UG		

5. **Seminars/Conferences organized by the department in the session:**

Event: Seminar/ Conferences (National/International)	Date	Title of the Event	Name of the Funding Agency	Amount Received	No. of Students benefitted
Career counseling session	October 11, 2018	Career options in Mathematics			
National Seminar	February 9, 2019	Emerging trends and innovation in mathematics	Dean College Development Council, Panjab University	Rs 40,000	100

6. **Skill-based Workshops/ Extension Lectures/Panel Discussions organized by the Department in the session:**

Title	Date	Objective	No. of Students benefitted	Name/Designation/ Organization of Resource Person/s

Skill enhancement computational mathematics Workshop on MATLAB	November 1, 2018- November 2, 2018	To equip students with the Computational Mathematical techniques	73	Dr. Anuj Sharma, Assistant Professor, Department of Computer Science and Applications, Panjab University
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• **Student Publications/ Awards/ Achievements/ Activities:**

**1. Details of the Achievements/ Participation of students of the Department outside the Campus:**

Name	Class	Event/ Category	Title of the Activity	Date	Organizing Institution/ Agency	Position / Participation
Deepika and Parul	B.Sc.I	Science Fest	Poster Presentation	2019	Thapar University, Patiala	2 <sup>nd</sup>
Rashim and Deepti	B.Sc.III	Science Fest	Poster Presentation	2019	Thapar University, Patiala	3 <sup>rd</sup>
Purnima and Rashita	B.Sc.III	Science Fest	Scientific Rangoli	2019	Thapar University, Patiala	3 <sup>rd</sup>
Deepika Rohilla	M.Sc II	Inter College Contest	Paper Presentation	2018	DAV College, Sector 10	2 <sup>nd</sup>
Deepika Rohilla	M.Sc II	Inter College Contest	Powerpoint Presentation	2018	Rayat Bahara University	1 <sup>st</sup>

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

**In 2019:**

Tabbasum Khan (AFCAT-1)

Varnika Arora (IIT JAM)

Mink Mittal (MAHCET MCA)

Shubhpreet Kaur GATE

Kirpa Garg GATE

**In 2018:**

Manisha (UGC NET)

Parampreet Kaur (AFCAT-2)

Neelam GATE, CSIR JRF