Report
of
Post Graduate Department of Mathematics
(2017-18)

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

www.mcmdavcwchd.edu.in

Department Name : PG Department of Mathematics

Session : 2017 - 2018

Names of Programmes/Courses/ offered:

- UG : BSc (Non-medical), BSc (Vocational), BA, BCA

- PG : MSc Mathematics

Faculty Publications /Awards/Achievements/Activities:

1. **Details of Publications by the Faculty in the session:**

Name of the Faculty	Title of the Paper	Title of the Journal with ISSN	Month/ Year	PEER Reviewed/ Refereed	UGC/ CARE Enlisted (Yes/No)	URL
Dr. Leetika	$(1 - 2u^3)$-constacyclic codes and quadratic residue codes over $F_p[u]/< u^4 - u >$	Cryptography and Communications 1936-2447	9/2017	Yes	Yes	https://dl.acm.org/citation.cfm?id=3075226.3075280
Dr. Sonica	On a conjecture on linear systems	Proceedings of the Indian Academy of Sciences 0253-4112	2017	Yes	Yes	https://www.ias.ac.in/article/fulltext/pmsc/127/03/0431-0448
Dr. Nisha	Expanded Mixed FE method with lowest order RT elements for nonlinear and nonlocal parabolic problems.	Advances in Computational Mathematics 1019-7168	3/2018	Yes	Yes	https://link.springer.com/article/10.1007/s10444-018-9596-6
Dr Komal Bansal	ε -Uniform Numerical Technique for the Class of Time Dependent Singularly Perturbed Parabolic Problems With State Dependent Retarded Argument Arising from Generalised Stein's Model of Neuronal Variability	Differential Equations and Dynamical systems 0971-3514	9/2017	Yes	Yes	

2. . **Details of Presentations by the Faculty in the session:**

S. no	Name	Title of the conference/ seminar	Organized by	Dates	International /National/ Regional/ Local	Title of Paper/Poster
1	Dr. Nisha Sharma	Recent Advances in PDEs: Theory, Computations and Applications	IIT-Bombay	June 8 -10, 2017	International	An expanded mixed Finite element method for a nonlinear parabolic problem

3. Faculty as members in:
   - Research Paper Reviewers in National/International Journals: **Dr. Nisha Sharma** – Numerical Methods for Partial Differential Equations – Springer

4. Departmental Activity

Seminars/Conferences organized by the department in the session:

Event: Seminar/ Conferences (National/ International)	Date	Title of the Event	Resourse Person	No. of Students benefitted
Intercollege Event in (Mathematical quiz, extempore and power point presentation)	19th March, 2018	Mathletes-2018		
Development of Modern Geometry	20th March 2018	Interactive lecture regarding the importance of geometry	Prof. Rakesh Nagaich, Department of Mathematics, Punjabi University, Patiala.	400 approx.

Students Publications /Awards/Achievements/Activities:

1. **Projects/ Awards/Positions bagged by students:**

Name and Roll No. of the Student	Name of the Award/Project/Position	Name of the Agency/University	Month/Year
Deepika Rohilla	Paper Presentation In Inter College Contest/2nd	DAV College, Sector 10	2018
Deepika Rohilla	Power Point Presentation/ Ist	Rayat Bahara University	2018