Faculty Details proforma for DU Web-

(PLEASE FILL THIS IN AND Email it to websiteDU@du.ac.in and cc:

Name		
Designation	**Assistant Professor**	
Address	Department of Mathematics, University of Delhi,Delhi-110 007	
Phone No Office	011-27666658	
Residence	E-5, Teachers' Residential Complex, Type-II, Dhaka Land, Mukherjee Nagar, Delhi-110 009	
Mobile		
Email	rkpanda@maths.du.ac.in, panda.rati@gmail.com	
Web-Page		

Educational Qualifications

Degree	Institution	Year
Ph.D.(in mathematics)	Indian Institute of Science, Bangalore	1995
M.Phil. / M.Tech.		
M.Sc. in Mathematics	UtkalUniversity, Bhubaneswar	1988
B. Sc. (Hons.) (Physics, Chemistry, Mathematics	UtkalUniversity, Bhubaneswar	1986
Any other qualification		

Career Profile

December 2004 till date: Assistant Professor,University of Delhi.

June1996-November 2004: Lecturer,GoaUniversity, Goa.

October 1995-June 1996: Visiting Fellow, TIFR Centre, Bangalore.

Administrative Assignments

Areas of Interest / Specialization

Nonlinear Analysis, Partial Differential Equations. My research interests include Variational Methods for study of existence, nonexistence, multiplicity or Unique-ness of solutions of Nonlinear Elliptic Partial Differential Equations both in bounded and unbounded domains using techniques of Nonlinear Functional Analysis.

Subjects Taught

1995-2004: Real Analysis-I, Real Analysis-II, Complex Analysis, Partial Differential

Equations, Functional Analysis, Topology, Linear Integral Equations, Differential Geometry
2004- Present: Topology, Measure and Integration, Complex Analysis, Functional Analysis, Differential Equations, Calculus on R^n, Measure Theory, Distribution Theory and Calculus on Banach Spaces, Advanced complex Analysis, Differential Geometry

Research Guidance

Supervision of awarded Ph.d. thesis

Kumar,Varinder(2011). On Frames of Subspaces for Banach spaces. University of Delhi.

Sharma, SumitKumar(2011). A Study of Atomic Decompositions. University of Delhi .

Arya, ,ChamanPrakash (2013). On Some Generalizations of continuity of Multi-functions. University of Delhi.

Setia, Nikita.(2015). High accuracy off-step discretizations for the system of multi-dimensional quasi-linear elliptic and parabolic partial differential equations. University of Delhi

Supervision of Doctoral Thesis, under progress

Prajapati, Tarachand, Semi groups of operators(2014-)

Aggarwal, Rachna, Generalizations of Gleason Parts (2017-)

Bansal, Piyush, Harmonic Analysis and Operator spaces(2018-)

Supervision of awarded M.Phil dissertations

Laxmi. 2008. A study of Furi-Martelli-Vignoli spectrum for nonlinear operators. University of Delhi.

Madan, Chinu. 2009. Distribution Theory for discontinuous test functions in one variable. University of Delhi.

Gupta, Meenakshi. 2009. Gabor and Wavelet transforms. University of Delhi.

Kumar, Amit. 2009. Maximum principles for second order linear elliptic equations.University of Delhi.

Chandershekhar. 2010. Some extensions of the Rademacher'stheorem to Banachspaces, University of Delhi.

Goyal, Sarika. 2011. Weierstrass' Theorem with weights. University of Delhi.

Kumar, Neeraj. 2013. Different Spectra for Nonlinear Operators. University of Delhi

Bagri ,Venu. 2013. Absolutely continuous functions in R^n. University of Delhi

Garg, Mukta. 2013. Sobolev Spaces on metric measure spaces . University of Delhi

Prajapati, Tarachand, 2014 : Degree Theory in Analysis and Applications, University of Delhi

Aggarwal, Rachna ,2014: Nonlinear Extensions of Fredholm operators, University of Delhi

Alka , 2016: Integral representation of linear functional and operators.

Sharma, Bhawna, 2017: Sobolev spaces and Functions of Bounded Variations on R^n.
Sharma, Abhishek, 2018: Banach spaces with Radon-Nikodym property.
Bansal, Rohit, 2019: The Schwarzian derivative.
Rimpi, 2019 : Variants of The Mountain pass theorems

Supervision of M.Phil. dissertations, under progress

Publications Profile

Research papers published in Refereed/Peer Reviewed Journals

Panda,Ratikanta. 1995. Nontrivial solution of a quasilinear elliptic equation with critical
growth in R^n. *Proc. Indian Acad. Sci. (Math.Sci.)*105 (4): 425-444.

Panda,Ratikanta. 1996. On semilinear Neumann problems with critical growth for the
n-Laplacian. *Nonlinear Analysis, Theory Methods and Applications*. 26(8): 1347-1366.

Panda, Ratikanta.1997.Solution of a semilinear elliptic equation with critical growth in
R^2. *Nonlinear Analysis, Theory Methods and Applications*. 28(4): 721-728.

Conference Organization/ Presentations (in the last three years)

Was a member of the organizing committee for the International workshop " Recent Advances in Operator Semigroups" from December 18 - 21, 2017, Department of Mathematics, University of Delhi.
Research Projects (Major Grants/Research Collaboration)
Awards and Distinctions
Qualified joint UGC-CSIR JRF Examination 1988 Obtained NBHM Research award in 1990 and NBHM Post Doctoral fellowship in 1995
Association With Professional Bodies
Member, Association of Mathematics Teachers of India**.**
Other Activities
Delivered eight lectures of 75 minutes each in the **Interactive Mathematics Training Camp for Undergraduate students** held during 14th May to 26th May 2018 at the Institute of Mathematics and Applications, Bhubaneswar.

Ratikanta Panda

- You are also requested to also give your complete resume as a DOC or PDF file to be attached as a link on your faculty page.