Dr. PRATIKSHAN MONDAL

Contact: real.analysis77@gmail.com

Qualification: Ph.D.

Designation: Assistant Professor (W.B.E.S.)

Teaching Experience (in years): UG: 17 Yrs (Approx.) PG: 03 Yrs (Approx.)

Research Experience (in years): 04 years (Including Ph.D)

Date of Joining Present Institution: 11.09.2009

Institutions/Companies Previously Served:

Name of Institution/Company	Designation	Tenure	
		From (DD-MM-YYYY)	To (DD-MM-YYYY)
J. K. College, Purulia	Lecturer (Contractual Basis)	10.11.2003	07.09.2006
Guskara Mahavidyalaya, Guskara	Assistant Professor	08.09.2006	10.09.2009
Durgapur Govt. College, Durgapur	Assistant Professor	11.09.2009	Till date

Examinations cleared: NET-UGC (June and December 2002), SLET 2003

Specialization/Research Interest: **Pure Mathematics/ Integration of Banach space valued functions, Fixed point theory.**

Awards & Recognitions

Received 3 Gold Medals (University Gold Medal, P. N. Banerjee Gold Medal, Jadabendranath Panja Gold Medal) for securing first class first in M.Sc.

Courses taught

	B.Sc Honours	B.Sc. Program
Semester-I	ABSTRACT ALGEBRA I, REAL ANALYSIS I	INTEGRAL CALCULUS I
Semester-II	REAL ANALYSIS (UNIT I), VECTOR CALCULUS (UNIT IV)	VECTOR CALCULUS
Semester-III	TENSOR CALCULUS, NUMBER THEORY, MATHEMATICAL STUDY ON LOCAL WEATHER CONDITIONS	ABSTARCT & LINEAR ALGEBRA I, MATHEMATICAL STUDY ON LOCAL WEATHER CONDITIONS
Semester-IV	INTRODUCTION TO OPERATIONS RESEARCH, MATHEMATICAL STUDY ON ENVIRONMENT POLLUTIONS	VECTOR ANALYSIS, OBJECT ORIENTED PROGRAMMING IN C++
Semester-V	METRIC SPACES, LINEAR ALGEBRA, FOURIER TRANSFORMS	MECHANICS (RECTILINEAR MOTION; SHM; TWO DIMENSIONAL MOTION), MATHEMETICAL STUDY ON ENVIROMENTAL POLLUTIONS
Semester-VI	COMPUTER AIDED NUMERICAL PRACTICAL WITH FORTRAN 77/C, DISCRETE MATHEMATICS, PROGRAMMING IN C WITH APPLICATIONS	LINEAR PROGRAMMING PROBLEM, USE OF LATEX

Publications

Journals:

1. Sk. J. Ali, **Pratikshan Mondal (2013/2014),** Riemann and Riemann type integrable functions in Banach spaces, Real Anal. Exchange, 39(2), 403-440.
   https://projecteuclid.org/euclid.rae/1435670004
2. **Pratikshan Mondal,** L.K. Dey, Sk. J. Ali **(2018)**, Equi-Riemann and equi-Riemann type integrable functions with values in a Banach space, Real Anal. Exchange, 43(2), 301-324.
   doi:10.14321/realanalexch.43.2.0301
3. **Pratikshan Mondal,** L.K. Dey, Sk. J. Ali **(2020)**, Nets and sequences of Riemann and Riemann type integrable functions with values in a Banach space, Funct. Approx. Comment. Math., 62.2, 203-226. doi: 10.7169/facm/1789
4. **Pratikshan Mondal**, L.K. Dey, Sk. J. Ali, Nets and sequences of p-Bochner, p-Dunford and p-Pettis integrable functions with values in a Banach space (2019), 23 pages. Funct. Approx. Comment. Math., Advance publication (2019),
   https://projecteuclid.org/euclid.facm/1573268433
5. H. Garai**,** L.K. Dey, **Pratikshan Mondal**, S. Radenovic **(2020),** Some remarks on $b_v(s)$-metric spaces and fixed point results with applications, Nonlinear Analysis: Modelling and Control,(Accepted)

Books:

1. Ajay Kumar Chaudhuri**, Pratikshan Mondal (2012),** Mathematical Analysis (Real, Complex and Metric Spaces), NCBA, ISBN- **978 817381 780 9.**

Book Chapters:

1. **Pratikshan Mondal (2020),** Riemann Integrability of a Banach Space Valued Function , in Recent Developments in Nonlinear Dynamics and its Applications, ISBN: 978-81-944611-1-1, pp. 70-76. BOOK CENTRE, Auroma Market, Simantapally, Santiniketan- 731235, India

Participation in faculty development programmes

1. 96th Orientation Programme organized by UGC-HRDC, The University of Burdwan (04.07.2014 to 31.07.2014)
2. Refresher Course on "Emerging trends in Mathematics and its applications" organized by UGC-HRDC, Jadavpur University (16.06.2015 to 06.07.2015)
3. Summer School on *"Changing Role of Use of ICT in Higher Education"* from 12/07/2019 to 25/07/2019 organized by UGC-HRDC, The University of Burdwan